A Message from the University President

Welcome to La Sierra University and to the remarkable journey of learning and faith that invigorates this distinguished academic community.

Our diverse community of students and professors is a welcoming one, exemplifying the joy of learning and service that daily forms the basis of this grand adventure.

I believe you will be captivated by the opportunity to study in a setting of broad conversation and inquiry, imagination and hope!

I hope you will join us!

Randal Wisbey
President, La Sierra University
# Table of Contents

An Overview of La Sierra University ........................................... 4  
La Sierra University Guidelines ............................................. 7  
Academic & Instructional Resources ....................................... 14  
Undergraduate Admission Information .................................. 22  
Undergraduate Financial Information .................................... 29  
Office of Student Life ........................................................... 39  
Academic Policies and Procedures ......................................... 43  
Classification of Courses ..................................................... 57  
University Studies ............................................................... 60  
University Honors ................................................................ 72  
Division of Continuing Studies ............................................. 77  
English Language & American Culture .................................. 80  
College of Arts and Sciences ............................................... 84  
  Pre-Professional Programs ............................................... 86  
  Program in Adventist Colleges Abroad .................................. 87  
  Additional Courses ........................................................... 93  
  Department of Art .......................................................... 95  
  Department of Biology .................................................... 103  
  Department of Chemistry and Biochemistry ......................... 110  
  Program in Communication ............................................ 117  
  Program in Computer Science & Information Systems ............ 124  
  Program in Criminal Justice ............................................ 128  
  Program in English ........................................................ 132  
  Department of Health & Exercise Science  ......................... 142  
  Department of History, Politics, & Society ......................... 151  
  Program in Individual Major .......................................... 163  
  Program in Liberal Studies ............................................ 164  
  Program in Mathematics ............................................... 170  
  Department of Music ..................................................... 175  
  Program in Neuroscience ............................................... 189  
  Program in Philosophical Studies ..................................... 192  
  Department of Physics .................................................. 197  
  Department of Psychology ............................................. 202  
  Department of Social Work ............................................ 210  
  Department of World Languages ..................................... 215  
The Tom and Vi Zapara School of Business ......................... 223  
  Program in Accounting, Economics, & Finance .................. 226  
  Program in Customized Majors ...................................... 232  
  Program in Management & Marketing ............................ 233  
School of Education  
  Department of Curriculum & Instruction .......................... 241  
  Department of School Psychology & Counseling ............... 247  
The H.M.S. Richards Divinity School  
  Undergraduate Department of Religion ......................... 248  
La Sierra University Board of Trustees ............................... 262  
La Sierra University Administration ................................. 263  
La Sierra University Faculty ............................................. 267  
La Sierra University Emeritus Faculty ............................... 272  
Index ................................................................................. 273
An Overview of La Sierra University

History of La Sierra

La Sierra University is a co-educational institution of higher education affiliated with the Seventh-day Adventist Church. As La Sierra Academy, it opened its doors in 1922 on acreage that had been part of an 1846 Mexican land grant known as Rancho La Sierra; its location is now in the city of Riverside. In 1923, with the addition of teacher-training coursework, it became La Sierra Academy and Normal School. As its range of offerings expanded, it became Southern California Junior College (in 1927) and then La Sierra College (in 1939). It was accredited as a four-year liberal arts college in 1946.

In 1967, La Sierra College merged with Loma Linda University; the programs based on the La Sierra campus became the university’s College of Arts and Sciences. The School of Education was created in 1968, followed in 1986 by the School of Business and in 1987 by the School of Religion. The Evening Adult Degree program (currently known as the Division of Continuing Studies) also began operation in 1986. What had been Loma Linda University’s La Sierra campus became an independent institution, now La Sierra University, in 1990.

La Sierra University Today

La Sierra University is a Christian coeducational institution located in inland Southern California and is part of the Seventh-day Adventist system of higher education.

The University offers graduate and undergraduate curricula in applied and liberal arts and sciences, business, and religion; graduate curricula in education; and programs for professional education in fulfillment of requirements for teaching credentials.

Intellectual pursuits are facilitated by the University’s library, museums, observatory, arboretum, Brandstater Gallery, MICOL, Learning Support and Testing Center, Hancock and Stahl Centers, and other campus resources. In an effort to create students that are at their best in every capacity, the University also encourages physical fitness through such activities as intramural and varsity sports and physical education courses. In addition, the campus maintains three swimming pools; a fitness center; and track, tennis, basketball, and volleyball courts.

The University buildings are on a gentle slope looking eastward over the Riverside valley, with its world-famous citrus and walnut groves and its palm-lined boulevards. The approximately 300 acres owned by the University allow, during the winter months, for the snow-clad peaks of the surrounding ranges to be seen rising above the rolling open fields. This glimpse of the Inland Empire, as seen from the University campus, offers a view of rare beauty.

The convenient access to Southern California’s wide range of both participatory and spectator activities enables the University to offer a multitude of unique cultural and educational experiences appropriate for the responsible student.

Accreditation

La Sierra University is accredited by the Accrediting Commission for Senior Colleges and Universities of the Western Association of Schools and Colleges (WASC).

Western Association of Schools and Colleges
985 Atlantic Avenue, Suite 100
Alameda, California 94501
Phone: (510) 748-9001
Website: http://www.wascweb.org

The University is also accredited by the Adventist Accrediting Association (AAA), the accrediting association of Seventh-day Adventist schools, colleges, and universities.

Adventist Accrediting Association
General Conference of Seventh-day Adventists
12501 Old Columbia Pike
Silver Spring, Maryland 20904
Phone: (301) 680-6000
Website: http://education.gc.adventist.org

The University is a member of the Council for Higher Education Accreditation, the Association of American Colleges and Universities, the National Association of Independent Colleges and Universities, and the Association of Independent California Colleges and Universities. Approval of programs is maintained with the California Commission on Teacher Credentialing. The undergraduate program in Social Work is fully accredited by the Council on Social Work Education, and the music degrees are accredited by the National Association of Schools of Music.

Degrees Offered

Curricula are offered leading to the following degrees:

Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science, Bachelor of Social Work, Master of Arts, Master of Business Administration, Master of Divinity, Master of Theological Studies, Master of Arts in Teaching, Specialist in Education, and Doctor of Education.
Mission Statement

As members of the diverse La Sierra University community, we are committed to inquiry, learning, and service. Our community is rooted in the Christian gospel and Seventh-day Adventist values and ideals. Our mission is:

- **to seek truth,**
  enlarging human understanding through scholarship;
- **to know God, ourselves, and the world**
  through reflection, instruction, and mentoring;
- **to serve others,**
  contributing to the good of our local and global communities.

We pursue this mission with excellence, integrity, compassion, and mutual respect.

Aims of the University

As a community of learning that is also a community of faith, La Sierra University fulfills its mission by engaging in three kinds of activity. It educates undergraduate and graduate students; it promotes research in the areas in which it offers instruction; and it contributes to the good of the larger society.

The University educates its students through a broad offering of studies in the liberal arts and sciences and in selected professional areas. It promotes research through encouraging and facilitating original investigation, critical reflection, and scholarly publication. It serves its various communities through adult education, resource centers, cultural events, nontechnical publications, and professional consultation. Among these varied activities, the University maintains, as a vital concern, the education of both its undergraduate and graduate students.

Thus this University operates in much the same way as most other universities do. The difference is, however, that the University functions and performs as the fruition of its Adventist heritage and commitment, even as it welcomes students from all religious and cultural backgrounds. The University's religious orientation provides a perspective for its educational programs and projects, a motivation for its intellectual vitality and rigor, a framework for its moral values and lifestyle, and a basis for its social consciousness and public service. Convinced that God is the author of all truth, the University maintains an atmosphere of freedom and openness for intellectual exploration and expression.

As La Sierra University does its work of teaching, research, and service, it strives to exemplify its ideals of educational comprehensiveness, community interaction, and intellectual excellence.

The University intends to address the needs of a wide range of students who are both academically qualified for and genuinely interested in the kind of education it offers. It serves Adventist and non-Adventist high school graduates as well as transfer students from all parts of the world.

In addition, the University serves graduate and professional students within the areas of business, education, religion, and the liberal arts and sciences. It serves adult students whose education has been interrupted and who desire to complete the requirements for a university degree or credential. Meeting the needs of this wide diversity of students requires a corresponding diversity of educational programs and strategies.

The University intends, furthermore, to respond to the needs of students and teachers as whole persons. Accordingly, it seeks to challenge the intellect to acquire the knowledge and skills essential to an effective, productive, and satisfying life in the coming decades. It seeks to engage the spirit in establishing fundamental values and attitudes of moral integrity, intellectual curiosity, religious commitment, and social concern. It seeks to nurture a mature sense of personhood through the development of strong self-esteem and appropriate self-direction as well as significant interpersonal relationships. And it seeks to enhance the body by encouraging and facilitating lifelong physical well-being.

Believing that all humanity is created in the image of God, the University celebrates the diversity of race, national origin, gender, and age found in its students, faculty, and staff. The University recognizes this diversity as a valuable asset in the preparation of all its students for positions of service and leadership in their professions, in business, in government, in the civic community, and in the church.

The University intends to interact vigorously with its multidimensional world—including its founding and sponsoring church, its growing urban community in California's Inland Empire, its neighboring educational institutions, and its wider intellectual and cultural environment in the world of the twenty-first century.

The University intends to teach its students how to make the world a better place in the future by involving them in making it a better place now. It intends to be, for both its religious and its secular publics, a significant influence by acting as a reasoned and relevant, critical and constructive voice; a light on the way to the future; and a source of knowledge and energy for responding to a wide spectrum of human needs.

The University intends to promote intellectual excellence in four complementary ways. It seeks to encourage and enable each student to learn as much as he or she can. It seeks to draw individual students into the ongoing scholarly conversation in their own academic and professional disciplines. It seeks to prepare students both for further education in graduate and professional schools and for employment in the world they will inhabit in the future. And it seeks to initiate students into a responsible life that is intelligent and informed, unselfish and involved, open and growing.
In its drive toward recognized excellence, the University intends to recruit, support, and nurture teacher-scholars who are distinguished for their intellectual competence and vigor; for the breadth and depth of their educational background; for their continuing involvement in research, reflection, and publication; for their personal integrity and religious commitment; and for their enthusiasm toward teaching.

Besides promoting research and publication by both faculty and students, the University intends to develop courses and curricula that will anticipate the future opportunities and needs of its graduates.

Although there is room for growth in student enrollment and educational programs, La Sierra University intends to maintain among its students, faculty, and staff a quality of personal relationship that energizes and enriches all of its activities of teaching, research and learning, and service.
Affirmative Action

La Sierra University affirms that Christian principles are not compatible with various forms of discrimination which have often permeated and divided modern societies. This belief is based on the idea that all persons are of equal worth in the sight of God and should be respected accordingly. Moreover, the University recognizes that this nation was founded upon the ideal of equal opportunity for each individual to realize his or her fullest potential. Therefore the University is committed to teaching and practicing equality.

The University reserves the right to disagree with specific remedies and regulations that may be proposed to eradicate discrimination. Although the University is not legally required to have a written policy of affirmative action, it has established this policy as a guide to its employees, supporters, and students, to assist in promoting equal opportunity throughout the University.

The University endeavors to maintain a balance between affirmatively seeking to assist those in a disadvantaged class and providing equal opportunity for all individuals, whether or not they are in such a class. In an atmosphere of cooperation and understanding among all concerned, the University is committed to going beyond the requirements of legislation, litigation, and social pressure.

The complete statement regarding the University’s policy and program of affirmative action is available at the offices of the President, the Provost, Human Resources, and Student Life.

Nondiscrimination

La Sierra University is committed to equal education and employment opportunities for men and women of all races and does not discriminate on the basis of disability, sex, race, color, or national origin in its educational and admissions policies, financial affairs, employment programs, student life and services, or any University-administered program.

To this end, the University is in compliance with Titles VI and VII of the Civil Rights Act of 1964 as amended, and substantial compliance with Title IX of the Education Amendments of 1972 (45 CFR 86 et seq.) and Sections 503 and 504 of the Rehabilitation Act of 1973. The University also complies with the Age Discrimination in Employment Act of 1967 and Section 402 of the Vietnam Era Veterans Adjustment Act of 1974 and does not discriminate against any employee or applicant for employment on the basis of age or because they are disabled veterans or veterans of the Vietnam era. In addition, the University administers student programs without discrimination on the basis of age, except in those programs where age is a bona fide academic qualification for admission in accordance with the provisions of the Age Discrimination Act of 1975.

The University reserves constitutional and statutory rights as a religious institution and employer to give preference to Seventh-day Adventists in admissions and employment, including but not limited to 42 USC 2000e-1, 2000e-2, 6-15 of Federal Executive order 11246: 41 CFR 60-1.5(5); 34 CFR 86.21, 86.31, 86.40, and 86.57 (b); California Government Code sections 12926(c); and Title 2, Section 7286.5(a) (5) and Title 22 Section 98222 of the California Administrative Code. The University believes that Title IX regulations are subject to constitutional guarantees against unreasonable entanglement with or infringements on religious teachings and expects students and employees to uphold Biblical principles of morality and deportment as interpreted by the Seventh-day Adventist Church. The University administers student programs without discrimination on the basis of age, except in those programs where age is a bona fide academic qualification for admission. The complete statement regarding the University’s policy and program of nondiscrimination is available at the offices of the President, the Provost, Human Resources, and Student Life.

Discrimination and Harassment Policy

La Sierra University is committed to providing an educational and employment environment that values individuals of diverse backgrounds who can advance the institution’s mission and support a learning and workplace setting free from discrimination and harassment. In keeping with this commitment, the University expects all University employees and students to conform to the requirements of federal and state law as well as standards of conduct mandated by the institution concerning discrimination and harassment matters. The University also encourages persons subjected to or who witness any forms of discrimination and harassment - or retaliatory conduct arising from complaints of discrimination and harassment - to report such behaviors and incidents to appropriate university personnel as set forth more fully below.
**General Application:**

I. Protected Classifications: Discrimination and harassment are prohibited against any person on the basis of race, ethnicity, national origin, sex, marital status, age, veteran status, medical condition, physical handicap, or other protected classification as defined by federal or state law.

II. Applicable Activities: Discrimination and harassment are prohibited in the University’s admissions and educational policies, employment programs, financial affairs, student life and campus services, or any related institutionally-administered or supported programs.

**Forms of Prohibited Behaviors:**

I. Discrimination is defined as prejudicial and/or harmful actions taken against a person on the basis of a protected classification as reflected in the aforementioned statement.

II. Harassment is defined as verbal, physical and/or visual conduct that creates an intimidating, offensive or hostile working or learning environment or that unreasonably interferes with a person’s work or academic performance.

III. Sexual Harassment:

A. Definition: Sexual Harassment is defined as unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature where
   
i. Submission to such conduct is made explicitly or implicitly a term or condition of a person’s employment or status in a course, program or activity; or
   
ii. Submission to or rejection of such conduct by a person is used as a basis for an academic or employment decision adversely affecting that person; or
   
iii. Such conduct has the purpose or effect of unreasonably interfering with a person’s work or academic performance, or of creating an intimidating, hostile or offensive learning or work environment.

B. Forms of Sexual Harassment: Sexual harassment can be objectively and readily identifiable, relative to the specific circumstances and relations of the persons involved, or it can be of a nature seemingly harmless to many yet subjectively perceived by some persons as unwelcome and offensive. The following constitute examples of conduct and situations representative of sexual harassment:
   
i. Physical assault:
   
ii. Direct or implied threats that submission to sexual advances will be a condition of a grade, letters of recommendation or employment retention or promotion;
   
iii. Direct or subtle propositions of a sexual nature;
   
iv. Sexual references or sexually explicit statements unrelated to legitimate matters of employment or education, including but not limited to: sexual questions, jokes, anecdotes, remarks concerning the sexual nature of another’s clothing, sexual activity, sexual preference, or speculations about a person’s previous sexual experience.
   
v. Unnecessary and/or unwanted touching, patting, hugging or brushing against another’s body;
   
vi. Displaying posters, calendars, graffiti, symbols, or other visual objects or images of a sexually explicit or suggestive nature unrelated to legitimate matters of employment or education; and
   
vii. Using computers, including the Internet, E-mail, Twitter and related systems of communications to transmit or receive text or images of a sexually explicit or suggestive nature unrelated to legitimate matters of employment or education.

IV. Retaliation is defined as inappropriate words or actions directed against persons who consider or register discrimination, harassment or retaliation complaints, or against persons who assist with or participate in an investigation of the reported conduct.

**Responsibilities in Recognizing and Reporting Discrimination or Harassment**

I. Recognizing Discrimination or Harassment: Administrators, Faculty, Staff and Students should be alert to identifying forms of discrimination and harassment, whether such incidents take place in the course of workplace responsibilities, academic endeavors, or social activities related in any way or form to the life of the University.

II. Reporting Responsibilities of Administrators, Faculty and Supervisory Personnel: Persons employed by the University as Administrators, Faculty members, and/or who serve the institution in a supervisory capacity have a legal obligation to immediately address, and if necessary, report discriminatory, harassing, and retaliatory behaviors or conduct to the University’s Department of Human Resources (HR).
III. Reporting Discrimination and Harassment: Persons who believe that they have been subjected to a form of discrimination and/or harassment or Administrators, Faculty, Staff, or Students who have witnessed such incidents should:

A. Inform the perpetrator, only if feasible, that the conduct is considered offensive and should be terminated; and

B. Notify their supervisor, or if the supervisor is the alleged perpetrator, notify the supervisor’s superior to report the prohibited behavior; If the person reporting the discrimination and/or harassment is a student, the term “supervisor” is defined to be the La Sierra University employee who directly oversees the area where the incident occurred; and

C. In consultation with the supervisor and/or HR determine if the incident warrants written documentation. If it is deemed necessary the reporting person shall state in writing, in consultation in HR, accurately and truthfully the facts of the incident(s), the date and approximate time of each event, and name(s) of the person(s) involved.

IV. Deciphering Discrimination and Harassment: If a complainant or other concerned persons are in doubt about whether forms of unlawful discrimination or harassment have occurred, he or she should contact HR for clarification and assistance.

Refraining from Retaliation Against Discrimination or Harassment Complaints

Retaliation against employees or students for considering or registering complaints of discrimination or harassment, or against such persons who assist with or participate in an investigation of the complaint, shall be prohibited and subject to the same reporting and disciplinary actions set forth in the section above.

The complete statement regarding the La Sierra University discrimination and harassment policy is available at the offices of the President, the Provost, Human Resources, and Student Life.

Drug Free Worksite

La Sierra University is committed to providing a learning environment conducive to the fullest possible human development. To achieve this goal, the University holds that a drug-, alcohol- and tobacco-free lifestyle is essential. Thus the University maintains policies that seek a campus environment free of those substances. The University intends to maintain a drug-free workplace in harmony with federal and state laws. The unlawful use, possession, distribution, dispersal, or manufacture of controlled substances by its employees, whether student, faculty, or staff, is prohibited. Furthermore, the University expects any person employed by the University, who receives federal or state funding as an individual, to certify that he or she will not engage in the unlawful use or manufacture of a controlled substance while associated with the University.

In addition to these legal requirements, the University follows the health and temperance practices espoused by the Seventh-day Adventist Church. This means that all students, faculty, and staff are required to refrain from the use of alcohol, drugs, and/or tobacco while enrolled or employed at the University. Failure to comply with this policy will result in discipline up to, and including, expulsion or termination and, if appropriate, a referral to law enforcement agencies for prosecution.

The University offers a preventative educational program to its students, faculty, and staff to develop an awareness of the risks involved in alcohol, tobacco, and drug use and abuse and to promote the benefits of a lifestyle free of these substances. The University may, at its discretion, provide therapeutic alternatives for anyone in the University involved in the use of alcohol, tobacco, prescription or nonprescription drugs, and/or other mood altering substances which impair the appropriate functioning of the involved individual within the University community.

The complete statement regarding the La Sierra University drug-free worksite policy is available at the offices of the President, the Provost, Human Resources, and Student Life.

AIDS Education and Prevention

In response to the epidemic of infection with the Human Immunodeficiency Virus (HIV), which causes Acquired Immunodeficiency Syndrome (AIDS), La Sierra University affirms its agreement with the general statement on AIDS prepared by the American College Health Association. The University recognizes its responsibility to its students, faculty, and staff to do everything possible to prevent people from being infected and to provide compassionate care for all concerned individuals.

The HIV infection is potentially lethal, but it is preventable. La Sierra University upholds Biblical standards of premarital chastity and a totally monogamous heterosexual relationship following marriage as one of the best means of protection against HIV infection. The University opposes drug abuse in any form an additional means of protection against infection, including intravenous drug abuse.

In accord with an action taken by the President’s Committee [December 6, 1990], the University mandates a program of education that reaches every student, faculty, and staff member. This program includes, but is not limited to, offering information on the means of transmission of the virus, the high risk behaviors associated with transmission, the best ways of preventing transmission of the virus, the sites for and means of HIV testing, and the ways to show compassionate concern for those in any stage of HIV infection. Such education shall be in accord with the latest information provided by the Centers for Disease Control, United States Public Health Service.
The complete statement regarding the La Sierra University AIDS education and prevention policy is available at the offices of the President, the Provost, Human Resources, and Student Life.

**Family Educational Rights and Privacy**

The La Sierra University Student Records Policy was developed in accordance with the Family Education Rights and Privacy Act (FERPA), commonly referred to as the Buckley Amendment. This law was enacted to protect the privacy of students and to provide for the right to inspect and review educational records. Any questions concerning this amendment may be directed to the Office of Admissions and Records.

Further information about the Family Educational Rights and Privacy Act of 1974, subsequent amendments, and HEW guidelines are available at the Office of Admissions and Records and the offices of each University college and school dean. Additional information can also be found in the Student Handbook.
## Summer Session 2012
*(Beginning and ending dates vary. See course schedule.)*

- Advising & registration for summer sessions: April 9 through the first day of classes
- Beginning of summer sessions: June 18
- Last day to enter a course, change audit to credit or credit to audit: Variable by session - Ask Records Office for details
- Last day to withdraw with no record on transcript: Variable by session - Ask Records Office for details
- Last day to submit an S/U petition or withdraw with a “W”: Variable by session - Ask Records Office for details
- Independence Day holiday: July 4
- Diploma Date: August 30
- Labor Day holiday: September 3

## Pre-Fall Quarter Events 2012

- Advising & registration for fall quarter: May 29 - September 28
- ACT, English & Math placement testing: See Learning Support & Testing Center for schedule
- First-Year Student Orientation: June - September
  - *For more information, visit:* [www.lasierra.edu/csas](http://www.lasierra.edu/csas)
- First-Year Parent Orientation: June - September
  - *For more information visit:* [www.lasierra.edu/csas](http://www.lasierra.edu/csas)
- Criminal Justice Orientation: July - August
  - *For more information visit:* [www.lasierra.edu/csas](http://www.lasierra.edu/csas)
- Transfer Student Orientation: July - August
  - *For more information visit:* [www.lasierra.edu/csas](http://www.lasierra.edu/csas)
- International Student Orientation: September
  - *For more information visit:* [www.lasierra.edu/csas](http://www.lasierra.edu/csas)
- Ignite Experience by Student Life - required for first-year students: September 19-21

## Fall Quarter 2012
*September 24 - December 13*
*Total: 54 days*

- Financial clearance deadline: September 15
- Payment due for quarter or year in advance discount: September 15
- Late payment fee is applied on unpaid accounts: September 15
- La Sierra University Orientation for new students: September 21
- Instruction begins & registration late fee is applied: September 24
- Last day to enter a course, change audit to credit or credit to audit: September 28
- Academic Convocation: October 2
- Last day to withdraw with no record on transcript: October 5
- Spiritual Emphasis Week: October 15-19
Academic Calendar

Last day to submit an S/U petition or withdraw with a “W”  November 16
Thanksgiving recess  November 17-25
Registration for winter quarter  November 26, 2012 - January 11, 2013
Final examinations  December 10-13
Fall quarter ends  December 13
Grades submitted by faculty  December 10-18 (2:00 PM)

Christmas Recess 2012 - 2013
December 14 - January 6
Total: 23 days

Christmas Holiday  December 25
New Year’s Holiday  January 1

Winter Quarter 2013
January 7 - March 21
Total: 52 days

Financial clearance deadline  December 15
Payment due for quarter or year-in-advance discount  December 15
Late payment fee is applied on unpaid accounts  December 15
La Sierra University Orientation for new students  January 4
Instruction begins & registration late fee is applied  January 7
Last day to enter a course, change audit to credit or credit to audit  January 11
Last day to withdraw with no record on transcript  January 18
Martin Luther King, Jr. holiday  January 21
Spiritual Emphasis Week  January 20-26
President’s Day holiday  February 18
Last day to submit an S/U petition or withdraw with a “W”  March 1
Registration for spring quarter  March 4 - April 5
Final examinations  March 18-21
Winter quarter ends  March 21
Grades submitted by faculty  March 18-26 (2:00 PM)

Spring Recess 2013
March 22-31
Total: 10 days

Spring Quarter 2013
April 1 - June 13
Total: 53 days
### Academic Calendar

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Financial clearance deadline</td>
<td>March 15</td>
</tr>
<tr>
<td>Payment due for quarter or year-in-advance discount</td>
<td>March 15</td>
</tr>
<tr>
<td>Late payment fee is applied on unpaid accounts</td>
<td>March 15</td>
</tr>
<tr>
<td>La Sierra University Orientation for new students</td>
<td>March 29</td>
</tr>
<tr>
<td>Instruction begins &amp; registration late fee is applied</td>
<td>April 1</td>
</tr>
<tr>
<td>Last day to enter a course, change audit to credit or credit to audit</td>
<td>April 5</td>
</tr>
<tr>
<td>Registration for summer sessions</td>
<td>April 15</td>
</tr>
<tr>
<td>Last day to withdraw with no record on transcript</td>
<td>April 12</td>
</tr>
<tr>
<td>Spiritual Emphasis Week</td>
<td>April 22-27</td>
</tr>
<tr>
<td>Last day to submit an S/U petition or withdraw with a “W”</td>
<td>May 24</td>
</tr>
<tr>
<td>Memorial Day holiday</td>
<td>May 27</td>
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<tr>
<td>Registration for fall quarter</td>
<td>May 28 - September 27</td>
</tr>
<tr>
<td>Final examinations</td>
<td>June 10-13</td>
</tr>
<tr>
<td>Spring quarter ends</td>
<td>June 13</td>
</tr>
<tr>
<td>Grades submitted by faculty</td>
<td>June 10-18 (2:00 PM)</td>
</tr>
</tbody>
</table>

### Events of Commencement 2013

- Consecration: June 14
- Worship Service: June 15
- Educator Dedication: June 15
- Commencement Concert: June 15
- Conferring of Degrees: June 16

### Summer Session 2013

*(Beginning and ending dates vary. See course schedule.)*

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Advising and registration for summer sessions</td>
<td>April 15 through the first day of classes</td>
</tr>
<tr>
<td>Beginning of summer sessions</td>
<td>June 17</td>
</tr>
<tr>
<td>Last day to enter a course, change audit to credit or credit to audit</td>
<td>Variable by session - <em>Ask Records Office for details</em></td>
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<td>Variable by session - <em>Ask Records Office for details</em></td>
</tr>
<tr>
<td>Independence Day holiday</td>
<td>July 4</td>
</tr>
<tr>
<td>Diploma Date</td>
<td>August 29</td>
</tr>
<tr>
<td>Labor Day holiday</td>
<td>September 2</td>
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</tbody>
</table>
Biological processes can be observed and studied in their natural environment. One of the best places to learn about biology is in the field. Recent trips have been to the Bay Islands of Honduras, islands off the coast of Peninsular Malaysia, and Baja California.

Field work and will be expected to hike through jungles and/or SCUBA dive along tropical reefs collecting specimens and/or gathering natural history data; prepare specimens for museum collections; extract tissue samples for DNA analyses; and keep their data in a properly organized field notebook. Recent trips have been to the Bay Islands of Honduras, islands off the coast of Peninsular Malaysia, and Baja California.

One of the best places to learn about biology is in the field where biological processes can be observed and studied in their natural surroundings. The Biology Department at La Sierra University is affiliated with several colleges and universities in offering courses at the Rosario Beach Marine Lab. This facility is a well-equipped modern biological research station where students participate in course work and perform independent research.

Each year an eight-week session is held from mid-June through early August. Students may take an entire year of General Biology, or two upper-division biology electives. Upper division courses offered vary from year to year rotating with the expertise of the faculty members teaching that summer. Course offerings have included: Marine Biology, Marine Phyecology, Behavior of Marine Organisms, Marine Ecology, Entomology, Neurobiology, Human Anatomy, Ornithology, and Marine Invertebrates. The value of these courses is greatly enriched with access to SCUBA diving for certified students, trips to the Olympic and Cascade Mountains, and various locations throughout the Puget Sound. Students must apply to the program for acceptance (https://www.wallawalla.edu/form/?rosario-app) but you still register for your selected course(s) at La Sierra University. Brochures are available annually in the La Sierra Biology Department office.

La Sierra University has a comprehensive student advisement and persistence program coordinated through the Center for Student Academic Success (C-SAS). The work of C-SAS begins with orientations throughout the summer for incoming first-year students. Support for these students continues throughout the year with weekly advising and academic counseling. In addition, C-SAS coordinates academic advising for currently enrolled sophomores, juniors, and seniors. Primary and secondary advising is provided for students pursuing pre-health programs, and the department facilitates co-curricular activities supporting professional school matriculation. Special orientations and advising services are also provided for transfer students to ensure a successful transition to the university. It is the department’s mission to deliver high quality academic support that empowers students to achieve their educational goals.

La Sierra University is committed to ensuring equal educational opportunities to students who have a documented disability and are entitled to reasonable accommodations in accordance with the American Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973. The Director of the Office of Disability Services (ODS), located in Room 100 of the Learning Support & Testing Center (lower level of the office of Disability Services (ODS), located in Room 100 of the Learning Support & Testing Center (lower level of the Divinity School dean’s office for more information.

La Sierra University, in a consortium arrangement with other educational institutions, is the primary sponsor of archaeological excavations in the Middle East. For many years it was associated with the project at Caesarea Maritima. Since 1993 it has also been a part of the Madaba Plains Project in Jordan and currently directs excavations at Tall al-Umayri, Jordan. Participating students may earn either undergraduate or graduate credit for the course Fieldwork in Middle East Archaeology and other classes. Inquire in the HMS Richards Divinity School dean’s office for more information.

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Biology Field Studies

Field Studies in Biology

The Biology Department offers field study courses through their Field School. The purpose of these courses is to provide students with the opportunity to gather raw data in the field, analyze those data, and present the results of those analyses in the form of a peer-reviewed publication. The field course generally runs two to three weeks beginning at the end of June and takes place in various regions throughout Southeast Asia. Students will be assisting the professor(s) in his/her field work and will be expected to hike through jungles and/or SCUBA dive along tropical reefs collecting specimens and/or gathering natural history data; prepare specimens for museum collections; extract tissue samples for DNA analyses; and keep their data in a properly organized field notebook. Recent trips have been to the Bay Islands of Honduras, islands off the coast of Peninsular Malaysia, and Baja California.

Biology at Rosario Beach Marine Lab

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La Sierra University Undergraduate Bulletin

La Sierra Hall), is available to meet with students regarding documentation guidelines for qualifying disabling conditions. The director of the ODS evaluates the documentation, works with the student to determine appropriate accommodations, and then makes arrangements for those approved accommodations. The type of accommodations provided depends on the nature of the functional limitation that the student is presented with as a result of the disability and could include services such as extended time on tests, testing in a distraction-reduced environment, note-takers, books on tape/CD, e-texts, assistive technology, etc. Students suspecting any kind of undiagnosed disability may contact the ODS to discuss concerns, documentation guidelines, and referrals for testing and/or assessment. For more information, please contact the Director of the Office of Disability Services at 951-785-2453 or ability@lasierra.edu.

International Student Services

Located in the Administration Building, Room 206, the Office of International Student Services provides all La Sierra University international students with information and assistance in such areas as student visas, health insurance, airport transportation, employment authorization, and orientation. For more information, contact the Office of International Student Services at 951-785-2237.

Learning Support & Testing Center

The centrally-located Learning Support and Testing Center offers students a quiet study atmosphere as well as a variety of resources to enhance academic progress. Services include small-group study rooms, tutoring in all math and science areas, math instructional support workshops, video and DVD reviews of math and statistics texts, study skills assistance, computer tutorials, select reviews of major professional tests, and general academic support. All undergraduate and graduate testing is centralized here. For more information about the services, please call 951-785-2453.

Undergraduate Testing Services

Undergraduate testing is located in the Learning Support and Testing Center in La Sierra Hall, Suite 100. The LSTC administers tests for course placement and academic achievement, including the College Level Examination Program (CLEP), the American College Testing program (Residual ACT), the Michigan Test of English Language Proficiency (MTEL), and the DSST tests. Academic placement tests (English, French, and math) are administered through the Center. The Center also provides services for testing out of a variety of languages through BYU-FLATS (Brigham Young University Foreign Language Achievement Testing Services). This exam is an equivalency exam that has the potential of waiving the world language requirement. Contact the Center for test costs and the administration fees applicable to each test. For more information, contact LSTC at 951-785-2453 or at www.lasierra.edu/lstc.

Student Teacher Services

A curriculum resource center and media services center, a music education laboratory, and a psychometry laboratory provide practicums and services to students of the School of Education, to other schools of the University, and to the professional community.

Studies Abroad

La Sierra University’s Studies Abroad program includes foreign-language study opportunities in Europe and South America through Adventist Colleges Abroad (ACA) and English-language study through Avondale College in Australia and Asia-Pacific International University in Thailand. All students are invited to participate, regardless of their major. Terms of study are flexible and range from full-year, summer, or single quarter experiences.

ACA is a consortium of Seventh-day Adventist colleges and universities that provides qualified students the chance to study overseas while completing requirements for graduation at their home colleges. While abroad, students immerse themselves in the culture and daily life of the host country and become fluent in its language. Guided field trips of geographic, historic, and cultural significance enhance first-hand learning. Depending on the amount of credit earned through ACA, students may be eligible to receive a minor in their chosen language without any further coursework.

Students at Avondale College and Asia-Pacific International University can complete coursework that counts toward select requirements for graduation while experiencing life in another culture.

Study Tours

Study tours are available each year, sponsored by various departments (usually of the College of Arts and Sciences and the HMS Richards Divinity School). Academic credit is available, and/or personal enrichment may be sought. Exciting destinations include Celtic Britain (English Department). Inquire at the Divinity School office, (951) 785-2041 regarding tours to Peru, Andes and Amazon; Israel, Jordan, Egypt, Greece, and Asia.

Teaching Credentials

A credentials office is maintained by the School of Education. Students should direct questions to the credentials analyst in the School of Education, where they may also apply for California State and Seventh-day Adventist teaching and service credentials.

Writing Center

The Writing Center assists La Sierra University students with written communication, such as essays and research papers. In the Writing Center students can talk one-on-one with a Writing Coach who can offer advice on expression, clarity,
conciseness, organization, grammar, and punctuation. The Center also offers occasional group workshops on communication issues. It is located in Ambs Hall, Room 102B.

**On-Campus Academic Opportunities**

Research Opportunities

Students at La Sierra University have many opportunities to participate in the research experience since student research is an integral part of the University’s prestigious Honors Program as well as an important part of the educational mission of most programs on campus. Because many of the faculty at La Sierra University are committed to involving undergraduate students in their research and scholarly activities at a variety of levels from introductory to cutting edge, some students become full, active participants in a faculty research program. Other students embark on investigations of their own design under the careful supervision of a faculty mentor.

On campus, students are encouraged to present the results of their research in a variety of forums, including departmental seminars and research conferences as well as the annual Research Week and Senior Honors Presentations each spring. Our students regularly make presentations at undergraduate and graduate research conferences and at regional and national professional conferences; many students also author and co-author papers in refereed and peer-reviewed professional journals.

**Students in Free Enterprise (SIFE)**

Students In Free Enterprise (SIFE) is an international non-profit organization that works with leaders in business and higher education to mobilize university students to make a difference in their communities while developing the skills to become socially responsible business leaders. Student teams on over 1,500 campuses in 39 countries apply business concepts to develop outreach projects that improve the quality of life and standard of living for people in need. An annual series of regional, national, and international competitions provides a forum for teams to present the results of their projects, and be evaluated by business leaders serving as judges. In addition to the community-serving aspect of the program, SIFE’s leadership and career initiatives create meaningful opportunities for learning and exchange as well as the placement of students and alumni with companies in search of emerging talent.

Organized in 1991, the La Sierra University SIFE team is sponsored by the Zapara School of Business. The team’s many educational and service projects have had a tremendous impact on our local and global community, further validated by the team’s six SIFE National and International Championship wins, including two SIFE World Cup competitions in 2002 and 2007. The team invites students from all disciplines who are interested in developing their potential in leadership, entrepreneurship, and social responsibility to join the organization, resulting in a group rich with diverse academic and cultural backgrounds. Led by students and supported by Sam Walton Fellows John Razzouk, Marvin Payne, and Warren Trenchard, the team’s work actively embodies the mission of the university. Learn more at lasierra.edu/sife.

**University Honors Program**

The University Honors Program serves undergraduates of outstanding intellectual and creative ability in all schools of the university. It is a learning community centered around a program of general studies and culminating in an original scholarship project.

Students who satisfactorily complete the University Honors Program of general studies, and the Honors scholarship project, and have a cumulative GPA of at least 3.50 will have the designation, “University Honors” added to their diplomas. For more information, please refer to the University Honors section in the undergraduate bulletin or visit www.lasierra.edu/honors.

**Out-Reach**

**Community Service**

La Sierra University offers students a variety of outreach programs through our Homebase Office. Students seeking the blessing of service can participate in community mission projects organized through our short-term mission office. Service-Learning courses provide students with the opportunity to apply classroom learning in service to the community. The considerable number of Seventh-day Adventist churches in the area enables students to gain experience serving large and small congregations. For more information, refer to the “Service-Learning” portion of the University Studies Program section of this bulletin.

**Student Missions**

**Short-term Mission Projects**

The Office of Spiritual Life has developed a program tied to their Missions Office that is designed to encourage students and faculty alike to participate in a life of servitude. Short-term mission projects (comprised of one to four week projects) are being planned for each quarter and are offered to students as a service choice during every break. Trips range in price from $500 - $3000, although the Office of Spiritual Life is currently trying to establish funds based on donations and sponsorships to defray the cost for each student. The goal of the Short-term Missions Program of the Office of Spiritual Life is to provide enough short-term mission opportunities for each and every student to experience the life-changing effects of service at least once before transitioning from La Sierra.
Over the past three years the short-term opportunities have included five trips to the Gulf States, offering support for those affected by Hurricane Katrina; four trips to Mexico, building homes for families in need; a trip to Puerto Rico, helping to restore a local school; a trip to Kenya, assisting in building a church for the Masai people; and a trip to Tanzania, working in a local clinic to help AIDS children and mothers.

Overall, the Short-term Missions program has sent over 100 students to 12 locations, affecting thousands of individuals throughout the world. It is the hope of both La Sierra University and the Office of Spiritual Life that, after students encounter La Sierra University, they will not only find a deeper understanding of what it means to be human, but they will also realize what it means to be an active Christian within a greater global community.

**Long-term Missions**

The La Sierra University Long-term Missions Program, a part of the Office of Spiritual Life, aims to offer students, and community members at large, a unique opportunity to worship, witness, and work in a venue that will change their lives forever. Primarily based in the international arena, individuals who choose to spend a year away from the campus are involved in volunteer activities that run the gauntlet. Previous missions have included, but not been limited to, students teaching at multi-grade classrooms in the Micronesian Islands, acting as deans to academy students in Europe, working at medical clinics in Africa, and serving as English Language tutors in Korea.

Students wanting to volunteer their time and talent should consult with the Missions Office, which is designed to help in aiding and screening the prospective missionary with call placements; travel arrangements; academic deferments; fund-raising; and overall preparation in regards to mental, physical, and spiritual health.

The Missions Office also offers students the ability to travel for shorter periods of time, such as during the summer and for individual quarters. Summer trips have included such activities as teaching summer school abroad, working at orphanages, and participating in evangelistic trips, just to name a few. Organizations that have assisted in these trips include the Adventist Volunteer Services, with the General Conference; Share Him Evangelism; the Quiet Hour; as well as other independent ministries. The Missions Office continues to work with these organizations, and others, to ensure that they can help La Sierra University students answer the call to serve.

For more information on becoming involved in world missions, please go online at www.lasierra.edu/missions, send an email to missions@lasierra.edu, or call the Office of Spiritual Life 951-785-2090.
leading Christians who work with young people. Other services to Adventist and other Christian pastors and teachers include research (such as ValueGenesis), workshops, and educational programs. For further information please contact the director of the Hancock Center at 951-785-2091. The Hancock Center can also be reached by fax, at 951-785-2199; on the web, at www.hancockcenter.org or www.hancockcenterstore.com; and by email, at hcyfm@lasierra.edu.

Recreation

At La Sierra University, physical fitness is promoted by various recreational activities, such as intramural and varsity sports. The location of La Sierra University is a real advantage to students interested in personal recreation as well as in the University’s physical education classes. Not only are there campus activity areas such as lighted tennis courts, a track and fields, three pools, and other facilities which can be used almost every day of the year, but nearby there are mountains (with hiking, camping, winter skiing, etc.); deserts (with rock climbing, wilderness survival, etc.); and beaches and lakes (with scuba, sailing, etc.).

Student Association of La Sierra University

The Student Association of La Sierra University (SALSU) attempts to involve students in all areas of campus life. Among these are the promotion of spiritual activities; participation in social events; and production of the student news magazine, the Criterion, and the student directory, Perspectives. A list of other campus organizations, through which the student may gain extracurricular experience, is printed in the Office of Student Life section of this bulletin, in the Student Handbook, and online at www.lasierra.edu/slif.e.

Student Employment Program

The Human Resources Department (HRD), in collaboration with the Payroll Department, directs the employment and payroll functions for all La Sierra University graduate and undergraduate students. The HRD is dedicated to bringing the best service possible to the Student Employment Program by offering students the opportunity of gaining work experience. The Student Employment Program helps carry out the daily operations of the institution, while ensuring compliance with federal, state, and university regulations and policies. For more information, contact HRD, located in the Administration Building, Room 220 at 951-783-2088.

Women’s Resource Center

The Women’s Resource Center serves students and faculty by providing information, resources, and support with regards to gender issues. The Women’s Resource Center encourages and advocates for women clergy in the Seventh-day Adventist Church and for those studying for ministry. It collaborates to increase awareness of abuse of women and provides resources for healing. The Center also focuses on career and leadership development of women in all professions, both for students and those already in the workplace. The Women’s Resource Center offers opportunities to celebrate the accomplishments and contributions of Adventist women to their world and church. To this effect, the Center sponsors lectures and events, gathers material concerning the experiences and services of women, develops resources on women and the Bible, and supports gender equality within the Adventist Church. For more information contact the director at 951-785-2470 or visit www.adventistwomenscenter.org.

La Sierra Information Technology Services

Academic Technology Services

The Academic Technology Services (ATS), under the IT department, manages the public computer labs, the Smart Computer Classrooms, classroom multi-media technology, and other multi-media services or equipment. Video and audio-visual equipment is available to classrooms. While most of the classrooms on campus are installed with multi-media projection equipment, ATS also provides mobile equipment and service to areas that do not have multi-media access.

For further information on the computing facilities and services, contact the director of Computer Information Services at 951-785-2904 or visit www.lasierra.edu/IT.

Computer Facilities

La Sierra University proudly boasts a comprehensive, state-of-the-art computing facility. Ambs Hall houses the general purpose Microcomputer Lab (MICOL), Smart Computer Classrooms, and major University servers. Ambs Hall is also the central control of the campus’s high speed, fiber-optic network infrastructure. From this building, a private wireless network is available to students, faculty, staff, and friends. In addition to these main campus computer labs, various buildings have specialized computer labs available to faculty and students. For more information concerning these specialized labs, contact the individual schools or departments.

Computer Laboratories

The computer labs around campus provide the students and faculty with the available computer equipment to assist in their research, coursework, and creation of electronic materials. The labs are equipped with both PC and Macintosh computers. In both cases, most of the latest software is installed.

Software

Software packages including general purpose word-processing, the Internet, spreadsheet, and desktop/graphic design are available at the campus computer labs. In some of the more specialized labs, software such as video editing,
statistical software, language learning software, and music composition software have been installed for the student's use.

University Network
The University uses a high-speed fiber-optic backbone to connect all computers on campus to the main servers and to the Internet. A private, campus-wide wireless network is also available. Students, faculty, staff and friends may obtain high-speed wireless access in virtually every part of the campus.

Residence Hall Network
Students residing in any residence hall on campus have access to the campus-wide network from their rooms. One Ethernet network connection is provided per person and allows a personal computer to attach to the University network.

University Servers
The office of Information Technology (IT) operates a variety of servers, including Sun, Linux, Apple, and Microsoft servers. These machines service a host of application systems. They are used to assist various facets of the University including, but not limited to, academic advising functions, accounting and Human Resources, the cafeteria system, copy and print functions, course management systems, dorm management systems, email functions, environmental monitoring systems, fund-raising systems, keyless entry and surveillance systems, the Library, multi-media services, research databases, student information and financial systems, telephone management systems, and web-serving functions.

La Sierra Library

Collections
Book collections number about 215,000 volumes. These are supplemented with more than 40,000 bound journal volumes representing nearly 1,000 currently received journal titles. However, the strength of the current journal collection is in the more than 35,000 periodical titles available full-text in electronic format. The online collection also includes about 50,000 books. Extensive audiovisual collections, including microfilms, microfiche, micro cards, compact discs, and videotapes, augment the print and electronic resources of the Library. The holdings of this audiovisual collection total about 385,000 items.

Special Collections
Special Collections in the Library’s Heritage Room and Ellen G. White Study Center support the curriculum with materials on the history of Adventism and the religious roots of the University. Another strength of this collection is its educational materials that cover the origin and development of the Seventh-day Adventist education system. The William M. Landeen Collection on the History of Christianity contains English and foreign language materials related to the Protestant Reformation.

Curriculum Resource Center
The Curriculum Resource Center supports the teacher education programs of the University with a collection of elementary and secondary textbooks.

Media Services
The Library Media Services provides a circulating collection of audio, video, and multi-media instructional materials. Faculty may place items on reserve for student listening and viewing. Equipment is provided for on-site use of the collections, and a classroom is available for group instruction. Studio services are also provided by the Media staff.

Networking & Consortia
Computer networks link the Library to local and distant libraries. When resources outside the Library are needed, faculty, staff, and students are able to secure materials through interlibrary loan and other means. Participation in local, regional, and national information networks gives students and faculty access to the collections beyond the campus. On-demand delivery of library materials from more than 50 public and academic libraries in California and Nevada is routed through the LINK+ service. Interlibrary loans are made possible through the OCLC Interlibrary Loan network, which connects the La Sierra University Library to several thousand other libraries throughout North America.

Purpose
The Library enhances the quality of the academic experience available at La Sierra University by supporting the teaching, learning, and research activities of the faculty and students. To accomplish this purpose the Library has developed and maintains collections of books, journals, audiovisual and archival materials, and provides a wide range of information services that supplement the teaching and research activities carried on in the University.

Services
The Library’s professional staff are able to assist faculty and students in locating needed information for study or research purposes. The Library has an integrated library system with online public access catalog, circulation, reserve, serials control and acquisition systems. Online computer and Internet linked databases are available to students both on and off campus. Subscriptions to more than 100 electronic databases, as well as to other information resources, are available through the Internet. With these tools and others, information sources in collections owned by the Library, and at other locations, may rapidly be located.
Campus Features

Arboretum
In 1979, the trees on campus were surveyed and classified. When the extent of the campus tree collection was determined, it was decided that La Sierra University needed to catalogue the finest specimen of each species. This led to the preparation of a map showing the location of each tree, and name tags were put on the trees listing both the popular and scientific names.

With more than 100 different species on campus, a proclamation was issued in February of 1980, officially naming the campus an arboretum. Since that time thousands of visitors have come to the campus to study and enjoy the beauty of the tree collection.

Brandstater Gallery
Brandstater Gallery is part of the Visual Art Center at La Sierra University. The gallery was established in 1984, with a donation from the children of Roy and Frances Brandstater as a legacy to their parents.

The Brandstater Gallery is dedicated to the intellectual and artistic life of the university, and is committed to collaboration with other institutions and the community at large. It provides the opportunity to interact with artists and artistic projects by featuring exhibits of regional, national, and international importance. The gallery provides students and graduates of the La Sierra University art program, a professional setting to exhibit artwork and projects required to complete their education.

Common Ground
The Common Ground park was established as a memorial to the son of a faculty member, and won a 1993 First Place Beautification Award from the Greater Riverside Chambers of Commerce. The park was built with funds contributed jointly by students, alumni, faculty, staff, and the University. It serves as a peaceful place for visitors, students, and others to talk or to meditate.

Eagle’s Nest
The Eagle’s Nest is an “oasis” in the center of campus with a Christian coffee house atmosphere. It sells hot and cold beverages along with cakes, muffins, sandwiches, pizzas, and soups. Each quarter, student art is displayed. Tuesday Tunes is a bi-weekly music event which may feature Christian folk, gospel, jazz, reggae, brass, or other musical genres being performed by artists from the campus and/or visiting musicians from the community.

Observatory
The Barnard Memorial Observatory, which was built by former faculty and students, provides the University and the community with the opportunity to view the heavens with a large telescope. One goal for this facility is that it may support one of the aims of the University, directing the minds of the users to the Creator of the heavens, by providing services for astronomy classes, interested University and community members, and interested community organizations. The facility is located high on a hill overlooking the campus and the eastern horizon and includes a 16-inch Cassegrain reflecting telescope and several smaller telescopes. Open Houses are staffed by University and guest astronomers and are held on a monthly basis, and by special request at other times. The observatory is operated by the Physics Department with the assistance of University faculty and staff from a variety of areas.

Stahl Center for World Service
The Fernando and Ana Stahl Center for World Service is committed to the mission of “passing a vision of world service to a new generation of students.” Based in the HMS Richards Divinity School and drawing upon other campus entities, the Center serves the World Church and the wider academic community by promoting world service tours and sponsoring lectureships, archives, and displays at La Sierra University and in other settings. For further information contact the Center director.

Global Piecemaking
This project is an extension of the ecumenical and international drive organized by La Sierra University’s Stahl Center to create thousands of infant quilts for AIDS babies and other displaced children worldwide. Following upon the heels of Global Village ’92, an international development education project cosponsored with ADRA International, this project invites civic groups, Community Services federations, Pathfinder Clubs, churches, and schools to respond to the global AIDS epidemic in a most personal and practical manner. La Sierra University students, among others, continue to deliver quilts in such varied settings as US pediatric wards, African hospitals, Thailand AIDS hospices, and Armenian orphanages.

Path of the Just
Working in concert with the La Sierra University Administration, the Stahl Center initiated the idea of honoring individuals whose modern lives of altruistic service bore a distinct witness in facilitating human rights, individual empowerment, or religious toleration. Initial honorees included Ana and Fernando Stahl, Mother Teresa, John Weidner, Linda and Millard Fuller, Harry Miller, Desmond Tutu, Pearl S. Buck, and Dietrich Bonhoeffer.
Stahl Center Museum

The as-yet-unnamed Museum of Culture is a locus for such Stahl Center activities as seminars and lectures. The museum’s one hundred family collections include the Stahl Collection from Peru, the Senseman Collection from East Africa, the Elick Collection from the Peruvian Amazon, the Barnard Collection from New Guinea, the Zeismer Collection from West Africa, the Murray and Smith collections from the Andes, the Dybdahl Collection from the Philippines, the Ritchie Collection from Mexico, and the Christianson Collection from diverse locales. In addition to campus visitors, community groups regularly view the museum’s displays, bringing over one thousand guests to the campus each year. The 2011-2012 exhibit, “Down to the Sea in Ships,” features South Seas artifacts from the Bruce Halstead Family Collection.

World Museum of Natural History

The World Museum of Natural History, which is located in Cossentine Hall, was first opened to the public in Palmer Hall in 1981, and then later, in 1989, it was reopened in Cossentine Hall. The museum preparation building houses one of the finest museum freeze-dry facilities in the world. Today the museum’s collections include:

- Displays unequaled in the United States of crocodilians, turtles, tortoises, lizards, and snakes.
- The largest display of Southeast Asian birds in the Western United States.
- Outstanding displays of primates, mammals, and carnivores.
- One of the world’s largest and finest collections of mineral spheres.
-Magnificent petrified woods from the Western United States.
- Mineral specimens from around the world, including fluorescent minerals, meteorites, and tektites.
- Ethnic cultural art including a Sujseki (Japanese-style contemplative stone).
- American Indian artifacts.

The museum cooperates with museums and zoos around the world and receives outstanding zoo mortalities. A permanent display featuring a lowland gorilla and an orangutan is located at the Los Angeles County Zoo.

The museum is open to the public Saturday afternoons from 2 PM - 5 PM. Museum tours are available to groups by appointment. The Museum attracts thousands of visitors annually. For further information about the museum, call 951-785-2209 on Saturday, 2-5 PM and 951-785 - 2500 during the week.

Off-Campus Additional Resources

La Sierra Elementary & Academy

La Sierra Elementary and Academy provide laboratory and demonstration opportunities. Additional fieldwork facilities are provided in the Alvord and Corona-Norco Unified School Districts, various other public school districts, and in numerous academies and elementary schools in the Southern and Southeastern California Conferences of Seventh-day Adventists K-12 school system.

Off campus

A partial list of frequent off-campus group activities of La Sierra University students from year to year include Newport Beach located activities such as whale watching cruises and the Christmas-lighted “Boat Parade;” games at the home stadiums and arenas of the Dodgers, Angels, Lakers, Clippers, Galaxy, Mighty Ducks, and Kings; concerts at the Hollywood Bowl and the Los Angeles Music Center; hiking and biking in the local mountains and deserts; hiking, water sports, and sunset vespers at the local beaches; visits to the San Diego Zoo and Safari Park, Sea World, Griffith Park Observatory, Disneyland, and Knott’s Berry Farm; and trips to the J. Paul Getty, the Los Angeles County Museum of Art, the Museum of Tolerance, and the Huntington Library.
Undergraduate Admission Information

Admission Information

La Sierra University examines evidence of scholastic competence, moral and ethical standards, and significant qualities of character and personality of each applicant.

The University reserves the right to refuse admission to any applicant on the basis of the foregoing considerations or to any applicant who, on the application, deliberately omits pertinent information, and/or purposely supplies wrongful information. Such subterfuge, if discovered later, may cause a student to be subject to dismissal.

Application and Acceptance

Where to write

Inquiries about admission and acceptance should be addressed to:

Office of Admissions
La Sierra University
4500 Riverwalk Parkway
Riverside, California  92515-8247

Toll free number:  (800) 874-5587
Telephone:  (951) 785-2176
Fax:    (951) 785-2447
E-mail:    admissions@lasierra.edu
Website:  www.lasierra.edu/admissions

Procedure

I. Applicants must submit the following:

A. APPLICATION: Submit a completed application form (either the paper or online version), and a personal statement/essay, a late application fee of $30 will be assessed for all application submitted after the published deadline. (An applicant requesting any accommodation because of any physical or learning disability or handicap should so specify at the time of application so that the University may assist.)

B. TRANSCRIPTS: Arrange for complete official and final transcripts from all colleges, universities, professional or technical schools attended, and the final high school showing date of graduation to be mailed directly from each school to the Office of Admissions. Transcripts that are not mailed directly from the issuing educational institution will be considered unofficial, even if sent in the sealed envelope and/or faxed. High school transcripts may not be required if an AA or AS degree has been awarded or there is confirmation of 88 or more quarter units of transferable college credit.

NOTE: Unofficial copies of transcripts can be used for the initial review and acceptance of an application file. The official copies should be received in the Office of Admissions by the second week of the first quarter of attendance. Subsequent enrollment is contingent on the receipt of official transcripts before the second quarter of attendance. Official transcripts are needed in order to process requests for financial aid.

C. TEST RESULTS: New Freshman applicants graduating from U.S. high schools must submit scores from either the American College Testing Program (ACT) and/or the Scholastic Aptitude Test (SAT1). Test results can be sent directly by mail to the University by entering the La Sierra University code #4380 on the test at the time it is taken. If that was not done, contact the appropriate testing program (ACT or SAT1) to have the results sent directly to the Office of Admissions.

II. The Office of Admissions evaluates the complete file and makes a decision.

III. The application decision is communicated to the applicant by the Office of Admissions. Accepted applicants are provided with information on the registration process, which will include the submission of additional forms such as Health Record Form, Residence Hall, etc.

IV. Transcripts and all other application documents are retained permanently by the University for students who enroll. These documents may not be withdrawn and/or used by students. Records of applicants who do not enroll will be destroyed.
Application Deadlines
Applications are considered on a rolling basis; however, it is highly recommended that the following preferred deadlines be observed:

**Fall Quarter**
- February 1 (New freshman applications)
- June 1 (International applications)
- July 1 (All other applications)

**Winter Quarter**
- November 15

**Spring Quarter**
- February 15 (International applications)
- March 1 (All other applications)

**Summer Quarter**
- May 1

Applicants desiring financial aid for the Fall quarter need to submit applications before March 2.

When Admission is Denied
Applicants who have been denied entrance to the University have the option to appeal the decision by writing a letter to the Office of Admissions indicating the reasons for the appeal, including new evidence for reconsideration. The Admissions Committee will consider the appeal at its next regular meeting.

Admission Classifications

**Regular Status**
Regular students are defined as those who have satisfied all admission requirements and are accepted for a curriculum leading to a degree or pre-professional program. Students who have a secondary school GPA of 3.50 or above and ACT English and Math scores of 22 and/or SAT Critical Reading and Math scores of 540 may apply for the University Honors program.

**Provisional and/or Probationary Status**
Provisional status may be given to a student who does not meet requirements for regular standing. To change classification to regular standing, a student must have complied with all stipulations in the probationary/provisional contract. These might include restrictions on course load and on participation in any extracurricular University activity such as mission trips, athletics, recruiting, etc., and the utilization of required academic resources.

English Language & American Culture Program Only
International, and other students, who enroll in the English Language and American Culture Program to study only English as a second language are eligible to enroll only in non-credit ELAC courses as non-degree students and earn no credit toward a degree. They must have current TOEFL or MTELP scores before advisement and registration.

Admission of Unspecified/Non-degree Students
Unspecified non-degree status may be available to students who are not interested in seeking a degree. It is important to note, however, that financial aid is not available. Unspecified non-degree status is not available for students who have been academically disqualified from La Sierra University unless they have met the stipulations for academic rehabilitation. Also, this status may not be available to international students. (For more information, please refer to the “Consequences of Failure to Make Acceptable Academic Progress” portion of the Academic Policies and Procedures section of this bulletin.)

Although there is currently no limit to the number of courses that may be taken as a unspecified non-degree student, it is recommended that no more than 12 units are taken. Such courses do not guarantee acceptance into a degree or pre-professional program, nor is there a guarantee that these courses will transfer into a degree or pre-professional program if the student is admitted therein. Unspecified non-degree status is reflected on the student’s transcript. When a student formally applies to a degree program, all postsecondary courses taken at La Sierra University and elsewhere will be taken into consideration by the Undergraduate Admissions Committee.

Admission of New Freshmen

**Preparation for College**
Students planning to apply for admission to La Sierra University are urged to consider the following:

La Sierra University uses three factors in determining academic eligibility for admission. Most applicants who are admitted meet the standards in each of the following areas:

A. A-G subject requirements
B. Grade point average from subject requirement courses and SAT or ACT test scores
C. High school completion

An applicant will academically qualify for regular admission as a new freshman if the applicant is a high school graduate, has a qualifiable Eligibility Index, and has completed, with grades of C or better, the required comprehensive pattern of college-
preparatory subjects. Required religion courses from Seventh-day Adventist schools are considered to be part of the required comprehensive pattern (“H”). (For more information, please refer to the “Eligibility Index” and “A-G Subject Requirements” portions of this section of the bulletin.)

Admission may be based on work completed through the junior year of high school and planned for one’s senior year. (For more information, please refer to the “Grade Point Average” portion of this section of the bulletin.)

**A-G Subject Requirements**

La Sierra University requires that New Freshmen applicants complete, with a C or better, a comprehensive pattern of college preparatory study totaling 15 units. A “unit” is one year of study in high school.

A. History/Social Science – 2 years required: Two years of history/social sciences, including one year of world history, cultures, and geography and one year of U.S. history or one-half year of U.S. history combined with one-half year of either civics or American government.

B. English – 4 years required: Four years of college-preparatory English that include frequent and regular writing and reading of classic and modern literature. No more than two semesters of ninth-grade English or one year of ESL-type courses can be used to meet this requirement.

C. Mathematics – 3 years required, 4 years recommended: Three years of college-preparatory mathematics that include the topics covered in elementary and advanced algebra and two- and three-dimensional geometry. Approved integrated math courses may be used to fulfill part or all of this requirement, as may math courses taken in the seventh and eighth grades if the student’s high school includes those courses, with grades and units, on the student’s transcript.

D. Laboratory Science – 2 years required, 3 years recommended: Two years of laboratory science providing fundamental knowledge in two of the three core disciplines: biology (which includes anatomy, physiology, marine biology, aquatic biology, etc), chemistry, and physics. The final two years of an approved three-year integrated science program may be used to fulfill this requirement. Not more than one year of ninth-grade laboratory science can be used to meet this requirement.

E. Language Other than English – 2 years required, 3 years recommended: Two years of the same language other than English. Courses should emphasize speaking and understanding and include instruction in grammar, vocabulary, reading, composition, and culture. Courses in language other than English taken in the seventh and eighth grades may be used to fulfill part of this requirement if the student’s high school

includes the course, with grades and units, on the student’s transcript.

F. Visual and Performing Arts (VPA) – 1 year required: Two semesters of approved arts courses from a single VPA discipline: dance, drama/theater, music, or visual art.

G. College Preparatory Electives – 1 year required: One year (two semesters), in addition to those required in “A-F” above, chosen from visual and performing arts (non-introductory level courses), history, social science, English, advanced mathematics, laboratory science, and language other than English (a third year in the language used for the “E” requirement or two years of another language).

**Subject H**

H. Religion – 1-4 years may be applied: In addition to the required “A-G” above, students may choose to include up to four years (two semesters) of religion courses, if attending a Seventh-day Adventist high school.

**Grade Point Average**

If one applies for admission before graduation from high school, GPA is computed using grades earned in “A-G” and “H” courses completed after the 9th grade. Grades expected to be earned in courses during the remainder of 12th grade may not be included.

**High School Completion**

La Sierra University adheres to the graduation requirements for regionally accredited secondary schools. An applicant who has completed secondary work in an unaccredited or non-regionally accredited institution or a non-United States institution, where accreditation cannot be confirmed, may be asked to write the GED. (For more information, please refer to the “High School Equivalency” portion of this section of the bulletin.)

Applicants who have completed secondary school outside the United States must present high school completion as outlined by the American Association of Collegiate Registrars and Admission Officers (AACRAO) guidelines for the particular country.

Applicants who have completed their high school education in a home school setting must submit either a transcript from a regionally accredited home school program or present the results of the General Educational Development (GED) examinations (For more information, please refer to the “High School Equivalency” portion of this section of the bulletin.)

**Required Tests**

Test scores are required for all first-time freshman applicants graduating from a US high school. Freshman applicants must submit scores from either the American College Test (ACT)
Undergraduate Admission Information

Eligibility Index

The Eligibility Index is the combination of the high school GPA (computed on the A-G subject required courses taken during the sophomore through senior years of high school study) and a test score on either the American College Test (ACT) or the Scholastic Assessment Test (SAT I).

Notes:

- Minimum GPA for calculation of La Sierra University Eligibility Index is 2.00.
- Eligibility Index scores cannot be calculated for any individual who is missing course requirements (“A-G” courses).
- La Sierra University requires a minimum Eligibility Index score of 3000 using the SAT I or a score of 714 using the ACT for regular admission status. For SAT results, calculate the Eligibility Index by multiplying the grade point average by 800 and then adding that to the total score on the SAT I. For ACT results, multiply the GPA by 200; next multiply the ACT composite by 10, and then add both results for the ACT EI score.
- Students with an Eligibility Index of 3300 and above will be considered to be academically fully qualified for admission.
- Students with an Eligibility Index of 3000 to 3299 may need to submit additional supporting materials, including letters of recommendation from guidance counselors and teachers. Applicants may be additionally asked to submit other supporting materials such as personal statements describing achievements and/or academic goals, an additional personal essay of no less than 250 words, etc. A personal or telephone interview may also be required.
- Students with an SAT I combined score of less than 800, an ACT score of less than 17, or a GPA of less than 2.75 on “A-G” and “H” courses may need to submit letters of recommendation from guidance counselors and teachers. Applicants may be additionally asked to submit other supporting materials such as personal statements describing achievements and/or academic goals, an additional personal essay of no less than 250 words, etc. A personal or telephone interview may also be required.
- Students with an Eligibility Index of 2999 or lower or students who cannot have an Eligibility Index calculated may be accepted by exception.
- Applicants who are considered by exception may submit additional supporting materials such as letters of recommendation from teachers and/or guidance counselors, a personal statement describing achievements and academic goals, etc. A personal or telephone interview may also be required.

Proficiencies

Undergraduate students will be required to show proficiency in a second language as a condition of graduation from the university. Entering students can often satisfy this university graduation requirement prior to their admission to the university by completing a third year of foreign language in high school. La Sierra University encourages all entering freshmen to consider completing this additional year of foreign language while in high school.

Proficiency in reading, English usage, and mathematics is expected and usually can be acquired by fulfilling the required secondary English and math classes.

All entering students are expected to be knowledgeable in the use of a personal computer (PC or Macintosh) prior to being admitted to the university. Entering students should have:

1. The ability to use a PC to locate, create, move, copy, delete, name, rename, and save files and folders on hard drives and on secondary storage devices;
2. The ability to use a word processing program that runs on a PC or Macintosh computer to create, edit, format, store, retrieve, and print documents;
3. The ability to use an electronic mail system to receive, create, edit, print, save, and send e-mail messages both with and without attached files; and
4. The ability to use an Internet browser to search the World Wide Web.

Information is also available from high school or college admission counselors or from the La Sierra University Learning Support and Testing Center (951-785-2450).

Eligibility Index

The Eligibility Index is the combination of the high school GPA (computed on the A-G subject required courses taken during the sophomore through senior years of high school study) and a test score on either the American College Test (ACT) or the Scholastic Assessment Test (SAT I).

Notes:

- Minimum GPA for calculation of La Sierra University Eligibility Index is 2.00.
- Eligibility Index scores cannot be calculated for any individual who is missing course requirements (“A-G” courses).
- La Sierra University requires a minimum Eligibility Index score of 3000 using the SAT I or a score of 714 using the ACT for regular admission status. For SAT results, calculate the Eligibility Index by multiplying the grade point average by 800 and then adding that to the total score on the SAT I. For ACT results, multiply the GPA by 200; next multiply the ACT composite by 10, and then add both results for the ACT EI score.
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- Students with an SAT I combined score of less than 800, an ACT score of less than 17, or a GPA of less than 2.75 on “A-G” and “H” courses may need to submit letters of recommendation from guidance counselors and teachers. Applicants may be additionally asked to submit other supporting materials such as personal statements describing achievements and/or academic goals, an additional personal essay of no less than 250 words, etc. A personal or telephone interview may also be required.
- Students with an Eligibility Index of 2999 or lower or students who cannot have an Eligibility Index calculated may be accepted by exception.
- Applicants who are considered by exception may submit additional supporting materials such as letters of recommendation from teachers and/or guidance counselors, a personal statement describing achievements and academic goals, etc. A personal or telephone interview may also be required.
Admission requirements for international students are somewhat different. For more information, please refer to the “International Transfer Student” portion of this section of the bulletin.

La Sierra University has the right to approve or deny a student for admission regardless of an individual’s qualification.

Placement Tests

La Sierra University requires all entering applicants to take the La Sierra University Mathematics Placement Test (MPT) and the La Sierra University English Placement Test (EPT) prior to enrollment. These placement tests are designed to identify entering students who may need additional support in acquiring basic English and mathematics skills necessary to succeed in baccalaureate-level courses. Undergraduate students who do not demonstrate college-level skills both in English and in mathematics will be placed in appropriate pre-foundational programs and activities during the first term of their enrollment.

Students may register for the MPT and/or EPT with the La Sierra University Learning Support and Testing Center (LSTC). Questions about test dates and registration for tests should be referred to the LSTC (951-785-2450). Students wishing to practice and prepare for the MPT or EPT can do so at http://www.Testpreview.com. Select “Accuplacer”.

Placement Into College English and Mathematics

Incoming freshmen and transfer students are expected to demonstrate readiness for college level English and Mathematics. That readiness may be demonstrated by any one of the following:

1. Bringing minimum SAT scores (580 in the case of Mathematics and 470 in Critical Reading) or ACT scores (23 in Mathematics and 22 in English score);
2. Transferring appropriate college level course work in Mathematics or English;
3. Testing into college level English or Mathematics by scores in the Accuplacer placement test (offered on campus); or
4. Completing appropriate pre-foundational coursework at La Sierra University.

Students who do not meet one of the first three criteria above, will enroll in pre-foundational coursework at La Sierra University as follows:

<table>
<thead>
<tr>
<th>English Placements</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum SAT 630 and SAT 550 and HS GPA 3.5 or higher</td>
<td>ENGL 124</td>
</tr>
<tr>
<td>Minimum SAT 470 or Minimum ACT 22</td>
<td>ENGL 111</td>
</tr>
<tr>
<td>SAT above 340 or below 470 ACT above 1 or below 22</td>
<td>ENGL 005</td>
</tr>
<tr>
<td>SAT at or below 340 ACT score of 1</td>
<td>ENGL 001</td>
</tr>
</tbody>
</table>

Students may challenge their placement by taking the Accuplacer test.

<table>
<thead>
<tr>
<th>Mathematics Placements</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum SAT 580 or ACT 23 or Accuplacer College Level Math 63 or above</td>
<td>College Math</td>
</tr>
<tr>
<td>Accuplacer above 77 in Elementary Algebra and below 63 in College Level Math</td>
<td>Math 007</td>
</tr>
<tr>
<td>Accuplacer below 78 in Elementary Algebra</td>
<td>Math 006</td>
</tr>
<tr>
<td>Accuplacer in Elementary Algebra below 50</td>
<td>Math 005</td>
</tr>
</tbody>
</table>

Pre-foundational Courses

Students are expected to make continuous progress towards college level English and Mathematics readiness by enrolling in pre-foundational courses. Continuous enrollment in pre-foundational English courses is required until a student qualifies for college level English. Even though continuous enrollment in pre-foundational Mathematics courses is strongly recommended, students may defer enrollment for a quarter in any one academic year. Students will not be permitted to defer taking a pre-foundational Mathematics course twice in the same academic year.

Students enrolling in pre-foundational classes must attend class by the second day of that class. Registered students who have not attended a pre-foundational class by day two will be withdrawn from class and may be placed in Pre-foundational Load Restriction.
Foundational Courses

Foundational requirements, other than upper division argumentation and inquiry requirements, must be completed before a student is allowed to submit a senior contract.

High School Equivalency

Applicants who do not complete high school, did not receive a high school diploma, or whose high school completion cannot be confirmed, may present the General Educational Development (GED) examinations results or the California High School Proficiency Examination (CHSPE) results in lieu of the high school diploma.

If the applicant is withdrawing from a secondary school in order to take the CHSPE or the GED, a recommendation letter from either the school’s principal or guidance counselor, addressing the applicant’s readiness for university study, may be required.

An applicant with a GED or CHSPE may wish to submit a complete high school transcript as additional information for review.

Applicants who receive passing scores on the GED and either an ACT Composite of 17 or a SAT I total score of 800 (critical reading plus math) may be considered for acceptance. The passing score in California for the GED is an average score of 45 on the five tests, with no score lower than 40 and with a total score of not less than 225.

Applicants who have passed the CHSPE and have either an ACT composite of 17 or a SAT I total score of 800 (critical reading plus math) may be considered for acceptance. The applicant’s admission essay must indicate life goals, evidence of motivation for early entrance into the University, and reasons for acceleration.

Admission of Returning and Transfer Students

Returning Students

A returning student who wishes to resume studies at the University after an absence of one calendar year or more must reapply, by completing a new undergraduate application and submitting transcripts from any school attended since attending La Sierra University.

If the returning student has been gone less than one calendar year, then the student must submit a Re-Application Statement, available at the Office of Admissions, and transcripts from any school attended since attending La Sierra University.

Returning students are subject to the requirements of the bulletin in effect at, or after, the time of re-entry. A student who has been discontinued from the University for reasons of professional or academic behavior will need to reapply and to conform to any of the conditions specified for consideration by the Undergraduate Admissions Committee. A student who has been officially academically disqualified a second time or discontinued permanently will not be readmitted to the University.

Transfer Students

In addition to following all regular requirements for admission, an applicant for undergraduate admission by transfer from another college or university must submit complete official transcripts of all studies taken at both secondary and postsecondary levels to the Office of Admissions. A cumulative grade point average of C (2.00) is required on all college-level courses. A student submitting less than 12 quarter units of transferable coursework is considered as a new freshman.

Placement testing for mathematics and English is required from transfer students who have not completed College credit in mathematics and at least one quarter of College Writing prior to enrollment. Transfer students who do not demonstrate college-level skills both in English and in mathematics will be placed in the appropriate pre-foundational courses.

Students may register for the placement testing with the La Sierra University Learning Support and Testing Center (LSSTC). Questions about test dates and registration for tests should be referred to the LSSTC (951-785-2450). Students wishing to practice and prepare for the tests can do so at http://www.Testpreview.com. Select “Accuplaccer”.

Division of Continuing Studies Students

In addition to following all other admission procedures, and meeting all other admission requirements, an applicant to the ACCESS program, offered through the Division of Continuing Studies, must be at least 22 years of age and have completed at least 44 transferable quarter units (30 semester units) with a minimum 2.0 grade point average.

For more information, please contact Nancy Dittemore, the Director of Continuing Studies, at 951-785-2300.

Admission of International Students

International applicants are responsible for all regular requirements for admission except ACT or SAT test scores. Applicants whose previous education has been completed in countries other than the United States will be required to:

Request official transcripts and/or examination results in the original language (together with official English translations if the original language is not English). Students will be required to request an external evaluation of their records before admission is granted or before credits are transferred. The request for a course-by-course credential evaluation may be
made through Educational Credential Evaluators, Inc. (ece.org).

Provide course descriptions of all college-level courses listed on the transcripts.

Submit scores for the Michigan Test of English Language Proficiency (MTELP), Test of English as a Foreign Language (TOEFL) or International English Language Testing Systems (IELTS) if previous education has been completed outside of the United States (excluding Australia, Canada, the United Kingdom, and New Zealand). Applicants who have taken the General Certificate of Education Ordinary level (GCE O) or equivalent examinations and have received a passing grade with credit in English may not be required to present additional English proficiency examination results or take the La Sierra University ESL placement examination.

English Competency

Students who were educated in a country other than the United States (excluding Australia, Canada, the United Kingdom, and New Zealand) must submit scores for the MTELP, TOEFL, or IELTS. If no scores are submitted, the student will be tested at La Sierra University’s Testing Center prior to enrollment with either the MTELP or TOEFL.

Students with MTELP percentile averages of 86 or higher and percentiles of 77 or higher in Language Proficiency, TOEFL scores of 550 or higher, or IELTS scores of 6.5 or higher will be placed in College Writing (ENGL 111).

Those with insufficient scores will be required to take classes in the American Experience and Language Program or the English as a Second Language Program.

The University retains the right to re-test any students (even those indicated above) who experience academic difficulty related to language deficiency. If the scores indicate a need, such students will be placed in the appropriate pre-foundational English or ESL classes. For further information see “English as a Second Language” in the Academic Policies and Practices section and the English as a Second Language section of this Bulletin.

Student Visa

Upon acceptance to La Sierra University, the student must submit the required deposit, between $1,000 to $5,000, depending on the country of origin. The deposit can be used as partial payment for the student's last academic term of attendance. The student must also submit the I-20 processing fee of $100, used for postage and expenses related to the acquisition of the I-20.

An undergraduate student entering the United States on a student visa (F-1) must report to the University Office of International Students Service on or before the “start date” on the student's I-20. The government allows a student to enter into the country 30 days prior to the I-20 “start date” but a student will not be able to work until the new quarter has started and registration has closed. The undergraduate student must register and complete a full study load of at least 12 units for each quarter of attendance. An F-1 student is expected to attend school three consecutive quarters before taking an academic break. Please keep this in mind when coming to La Sierra University in the winter or spring quarters.

On-campus employment is limited by regulations of the United States Citizenship and Immigration Services (USCIS) to no more than 20 hours per week when school is in session, if work is available. Students will need to wait approximately three weeks after I-20 “start date” before applying for a Social Security Card to allow time for necessary arrival data to be uploaded to the Social Security Administration from the Department of Homeland Security. Permission for off-campus employment is not given during the first nine months of study. After this time, if a student meets USCIS requirements, an application may be made to the USCIS through the Office of International Student Services for permission for off-campus employment.

Exchange Visitor

Through the US Department of State, the University has a program for exchange visitors that may be advantageous for international students. Further information may be obtained from the Office of International Student Services.
Undergraduate Financial Information

Plan Ahead

Students are required to make financial plans and complete financial arrangements with the office of Student Financial Services before school begins.

Student Financial Services Business Hours (Fall, Winter, Spring)

Monday 9:00 am-4:30pm
Tuesday through Thursday 8:30 am-4:30pm
Friday 8:30 am-12:00 pm

Offices are closed Thursday from 11 am to 12 pm (noon) and occasionally Tuesdays from 11 am to 12 pm (noon).

Business Hours (Summer)

Monday, Wednesday, Thursday 8:00am - 5:00pm
Tuesday 8:30am - 5:00pm
Friday Closed

Limited walk-in services are available on a daily basis. Appointments are recommended. All offices are closed on Saturdays, Sundays, legal holidays, the day after Thanksgiving, and the week between Christmas and New Year’s Day.

Summer hours may vary from the hours published above. Please call ahead for an appointment.

Contact Information

Accounts and Loans 951-785-2238
Bursar 951-785-2152
Human Resources 951-785-2088
Student Financial Services
Phone 951-785-2175
Fax 951-785-2942
Email sfs@lasierra.edu
Toll-Free Number 800-874-5587

Schedule of Charges for 2012-2013

The following charges are subject to change by Trustee action. For information regarding graduate rates, refer to the graduate bulletin.

Flat Charge

Undergraduate students who enroll for 12 to 18 units are charged a flat fee. The flat fee rates per quarter are listed below. There are no flat fee charges for summer classes. Summer charges are per unit.

Charges per Quarter

$9,060 Tuition—12 to 18 units per quarter
$755 Per unit for Fall, Winter, and Spring Quarters
$566 Per unit for Summer Quarter
$378 Comprehensive Fee
$50 Business Fee (Business students)

Room and Board

$2,460 Per quarter, 10 meals a week - Double Occupancy
$2,870 Per quarter, 15 meals a week - Double Occupancy
$3,100 Per quarter, 18 meals a week - Double Occupancy
$3,540 Per quarter, 10 meals a week - Single Occupancy
$3,950 Per quarter, 15 meals a week - Single Occupancy
$4,180 Per quarter, 18 meals a week - Single Occupancy

Seventh-day Adventist Scholarships

Because the Seventh-day Adventist (SDA) church provides subsidies to the University, students who are members of the church will receive an SDA scholarship per quarter:

$410 12 units and above
$308 9-11.5 units
$205 6-8.5 units
None Less than 6 units

SDA scholarships are not available during summer sessions or for VA Yellow Ribbon recipients or for reduced tuition programs, including ACCESS, ESL, and off-campus cohorts.
## Undergraduate Financial Information

### Audit Charge

50% of per unit cost

(For more information, refer to the “Audit Regulations” portion in this section of the bulletin.)

### Other Rate Information

<table>
<thead>
<tr>
<th>Cost</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>$378</td>
<td>ACCESS tuition per unit</td>
</tr>
<tr>
<td>$3,168</td>
<td>English as a Second Language—12 to 18 units</td>
</tr>
<tr>
<td>$264</td>
<td>English as a Second Language per unit</td>
</tr>
<tr>
<td>$264</td>
<td>Student Missionary tuition per unit</td>
</tr>
<tr>
<td>$264</td>
<td>ESL per unit during summer</td>
</tr>
<tr>
<td>$755</td>
<td>Tour tuition per unit, 2013 Tours</td>
</tr>
<tr>
<td>$195</td>
<td>Applied music lesson charges for academic credit.  (Not included in flat charge) for 9 one-half hour lessons per quarter</td>
</tr>
<tr>
<td>$325</td>
<td>Applied music lesson charges for non-academic credit (not included in flat charge) for 9 one-half hour lessons per quarter (payable in advance at the Bursar's office)</td>
</tr>
<tr>
<td>$1,400</td>
<td>Performer’s Certificate charges per quarter (Not for academic credit) (See the Department of Music section in this bulletin)</td>
</tr>
</tbody>
</table>

### Deposits Required

<table>
<thead>
<tr>
<th>Cost</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>$100</td>
<td>Residence hall room damage &amp; cleaning deposit Required of students who live in a residence hall. Must be accompanied by a properly signed Residential License Agreement. Financial aid is not accepted in lieu of this deposit.</td>
</tr>
<tr>
<td>$1,100</td>
<td>International minimum guarantee deposit Required before issuance of I-20 form. Refundable only during the last quarter of attendance. This deposit will be applied toward any balance owed to the University upon the student's leaving school. $100 will be used for postage fees, the balance of the unused portion is credited to the student's account.</td>
</tr>
</tbody>
</table>

### Special Charges

<table>
<thead>
<tr>
<th>Cost</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>$195</td>
<td>Applied music lesson charges for academic credit.  (Not included in flat charge) for 9 one-half hour lessons per quarter</td>
</tr>
<tr>
<td>$325</td>
<td>Applied music lesson charges for non-academic credit (not included in flat charge) for 9 one-half hour lessons per quarter (payable in advance at the Bursar's office)</td>
</tr>
<tr>
<td>$1,400</td>
<td>Performer’s Certificate charges per quarter (Not for academic credit) (See the Department of Music section in this bulletin)</td>
</tr>
</tbody>
</table>

### Miscellaneous Expenses

<table>
<thead>
<tr>
<th>Cost</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>$5</td>
<td>Standard transcript fee</td>
</tr>
<tr>
<td>$10</td>
<td>Rush transcript fee</td>
</tr>
<tr>
<td>$20</td>
<td>Vehicle registration for non-full-time students</td>
</tr>
<tr>
<td>$25</td>
<td>Transfer student orientation fee, fall</td>
</tr>
</tbody>
</table>

### Late Fees

- Late La Sierra Application fee (non-refundable)
- Adventist Colleges Abroad (ACA)/Study Abroad Processing fee (non-refundable)
- Evaluation of international transcripts
- Late registration, first day of the term
- Additional $10 per day thereafter until the last day to add classes
- Waiver examination (for each numbered course)
- Equivalency examination (for each numbered course)
- Placement tests
- Tests include Mathematics, English, Michigan Language, TOEFL. (For more information, refer to the “Undergraduate Testing” and “Graduate Testing” subsections of the Learning Support and Testing Center portion of the Academic and Instructional Resources section of this bulletin.)
- Flat examination recording fee for Brigham Young University
- Late payment fee, by term. Assessed on anyone who fails to financially clear by the published deadline.
- Replacement of student identification card
- Zapara School of Business fee for all business majors ($150/yr)
- Freshman fee (Fall/One time charge)
- English as a Second Language activity fee
- Graduation fee (Charged upon approval of Senior Contract)
- Senior Dues (Charged Fall quarter to seniors’ accounts)
- Center for Student Academic Success Fee (Winter and Spring quarters ONLY for first-time Freshman and Transfer student)
- Transfer student orientation fee, fall
Undergraduate Financial Information

Cost Parking fine
Cost Property or supplies breakage or loss
Cost Special physical education activities
Cost Express mailing fee for I-20 to overseas address
Cost International student health insurance charge
Cost Books, supplies, music
Cost Health charges: care other than that provided by campus Health Service
Cost Non-routine psychological tests
Cost Campus clubs and organizations
Cost Meal charges other than those included in flat rate (Including those during holiday and inter-quarter recesses)

Payment and Account Information

Audit Regulations
A student may audit a lecture course only. Courses requiring special instruction or laboratory sessions cannot be taken on an audit basis. Audited classes do not qualify for the SDA scholarships or for federal financial aid.

Campus Employment
Campus employment opportunities are available. Students wishing employment may apply at the Human Resources office.

Campus Payroll
Student payroll checks are issued every other Friday. A schedule may be obtained from the Payroll office.

Payroll Deduction
Payroll deductions are available to facilitate payment of student accounts. Student Financial Services makes arrangements for payroll deductions at the student’s request.

Cash Needs
The student should arrange to have cash available for all special charges and miscellaneous expenses. It is advisable for students to budget at least $550 per quarter for books and supplies. Bookstore advances from financial aid credit are offered once per term, to qualified students, as credit on their ID cards to be used at the La Sierra Bookstore.

Checks
Checks should be made payable to La Sierra University. All checks should clearly indicate both the student’s name and ID number to ensure that the funds are credited to the correct account.

The University will charge the student’s account $50 when a bank does not honor a check. A check presented in payment for registration fees that is not honored by the bank and is returned unpaid is required to be redeemed within 5 working days after the student is notified by the University of the returned check. If it is not redeemed, the student may be suspended from classes or the University has the option to revoke administratively the term registration. All future payments, after that initial returned check, will need to be in the form of money order, certified/cashier’s check, credit card, or cash.

Confirmation of Registration
Every student is required to complete a process known as the Confirmation of Registration for each term that the student registers. By completing this process, the student confirms his/her intent to attend classes for that term and accepts full responsibility for all charges associated with his/her attendance. Failure to immediately confirm, even a partial registration, will result in the student’s classes being dropped.

If, after the completion of registration, the student discovers that he/she cannot attend La Sierra University, he/she must drop all classes before the first day of the term in order to avoid tuition charges. Students may drop all classes online.

Financial Clearance
Students are required to pay at least one-third of their account balance (charges minus confirmed aid) by the published deadline (usually 2 weeks) before classes start. Students who register before this deadline can expect to receive, through their University email account, a copy of their invoice for the term. Students who fail to pay by this deadline, or who register and pay after this date, will be charged a $250 late financial clearance fee. Students are encouraged to register early and to make their financial obligations known to their account payers as soon as possible.

Fall Deadline: September 15, 2012
Winter Deadline: December 15, 2012
Spring Deadline: March 15, 2013
Correspondence

Financial information from the University is sent to a student’s official La Sierra University email address. Students are responsible for updating their address and telephone information with the University. A student may sign-up online to have certain information sent to an address other than his/her La Sierra email address.

Financial Statements

Students are encouraged to view their account information at the University’s self-service website which can be accessed under the Quick Links at www.lasierra.edu. All current account activity is available at this site. A financial statement is emailed once each month to the student’s university email address. The amount due, indicated on the statement, is payable upon receipt, except for students enrolled in the monthly payment plan. Monthly reminders are sent via email to students enrolled in a monthly payment plan.

Under the Family Education Rights and Privacy Act (FERPA) of 1974, postsecondary students have full rights of privacy with regard to their accounts. Students may sign-up online to have financial statements emailed to persons other than themselves. Students who wish to receive a paper statement must make a request in writing to the Bursar Office.

International Students

An international applicant (other than a Canadian citizen) on a student visa is required to make an advance deposit of $1,100. The deposit will remain on account until the student terminates academic work at La Sierra University. The deposit can be used as partial payment for the student’s last academic term of attendance. Because international students do not qualify for loans and grants listed under Financial Aid, parents or sponsors are responsible for making payment arrangements each quarter at registration. Students cannot carry over a balance from one quarter to the next.

Financial Guarantee Forms are available from the Office of International Student Services. The international student must obtain the proper signatures on the form and file it with the Office of International Student Services before clearance can be given for the issuance of an I-20 form.

All international students are required to submit a financial plan to cover the expenses of their planned education before clearance can be given for the issuance of an I-20 form. Assistance with this plan is available from enrollment counselors.

International Student Health Insurance

La Sierra University requires all international students to carry health insurance while on a valid La Sierra I-20 or DS-2019 form. The Office of International Students Services (OISS) will register international students with a comprehensive insurance plan. This insurance plan will be purchased for the student at the time of initial registration and will be automatically renewed while the student is listed as SEVIS-Active with a La Sierra I-20 or DS-2019 form. This will include periods when the student is not enrolled for classes or is out of the country. J-1 visa holders are required to have medical insurance for themselves and their dependants in the United States at all times. To help reduce the cost of the international insurance premium, international students will be required to seek medical attention first at Health Service for basic medical needs such as doctor visits, some medications, check-ups, and health information. For the current fee amount, contact the Office of International Students Services at 951-785-2237. The insurance fee will be charged to the international student’s tuition account, appear on the billing statement emailed to the student, and is payable immediately. For more information, please refer to the Student Handbook.

Married (Family) Student Housing

Married student housing is available on a limited basis. Rates vary from those of the residence halls. For information on rates and availability, contact the office of Business Development and Property Management at 951-785-2511. Because of high demand, students are encouraged to apply early.

Meal Plans

Meal Plan Increase

Residence hall students may request an increase to the standard meal plan option by checking the appropriate box on the Residence Hall Housing Agreement Meal Plan contract. Changes can only be requested during the first five days of the term.

Meal Plan Reduction

For consideration of a reduction in meal plan fees because of special circumstances, a student must submit the Meal Plan Variance form to Financial Administration during the first week of the quarter. Meal Plan Variance forms are available at the Financial Administration office.

Past Due Accounts

Failure to pay scheduled charges or to make proper financial arrangements with Student Financial Services will cause the account to be considered past due. Past due accounts are subject to late fees and debt collection processes. Students with past due accounts may not be allowed to register for future terms. Students whose past due accounts have been forwarded to La Sierra University collectors must pay for future terms in advance of registering for classes.
Debt Collection
Past due accounts may be assigned to a collection agency or attorney, and may be reported to commercial credit agencies. Appropriate charges for these services, including court costs, if incurred, will be added to the student’s account balance.

Finance Charge
An annual finance charge of 10 percent, compounded quarterly on the unpaid balance is applied at the end of December, March, June, and September.

Late Payment Fee
Each quarter a $250 late payment fee will be assessed to accounts in which the student has not met his/her financial arrangement, as agreed to on the Confirmation of Registration.

Payment Options
Three payment options are available to meet the financial needs of students:

1. Payment of the year’s charges in full during Fall registration, for which a 7 percent discount is granted. (Only for on-campus, full-cost programs and Criminal Justice).
2. Payment in full each quarter during registration for which a 2 percent discount is granted. (Only available to regular full-cost, on-campus programs).
3. Monthly payments on the projected yearly balance. This option is available at $30 per quarter. Students can enroll online for this option.

Refunds
Students may request a refund of their credit balance by submitting a signed request form to Student Financial Services. Processing time of the request varies from five to ten working days to allow time for all records, such as cashier receipts and registration records, to clear through the normal accounting procedures. Students receiving Title IV (federal) aid in excess of their charges who have not signed an authorization to retain funds to pay for future charges will be issued a refund check within 14 days of the date of the credit appearing on the account. These checks will be mailed to the student’s current address, unless the student authorizes the funds to be deposited directly into his/her bank account.

Required Fees
Comprehensive Fee
This fee is charged to all students admitted to an on-campus program and Criminal Justice students. It covers various support services and campus resources.

Summer Required Fees
All students enrolled in classes during the Summer Quarter are charged a comprehensive fee of $247.

Residence Change
As stated in the Residential License Agreement, students who move out of the Residence Hall during the term will be charged for the entire term. Students who move out due to extenuating circumstances may petition to receive a partial refund. Students who totally withdraw from the University during the term will have their room charges prorated as stated in the “Total Withdrawal” portion of this section of the bulletin.

Residence Hall Study Load
Any student living in University residence halls is to be officially registered for an academic load of at least 8 units per quarter.

Room and Board
La Sierra combines all housing and meal charges into a single Room and Board charge. The standard cost for room and board is a double occupancy room with 110 meals per quarter. If you wish to purchase additional meals per quarter please refer to Meal Plan increase. Students who withdraw from La Sierra University will have their room and board charge prorated according to the number of days in residence.

Study Load Change
A student who drops a class during the first 60% of the quarter may be eligible for a partial refund. (For more information, refer to the “Total Withdrawal” portion of this section of the bulletin.) No refund of charges will be processed until either a drop form is turned in and accepted by the Records Office or the student completes the drop online. Financial aid may be modified when a student changes study load by adding or dropping classes.
Total Withdrawal

Total withdrawals may be initiated at the Records Office, or may be completed online as follows:

1. Establishment of the Date of Withdrawal: The student may either request a Total Withdrawal form, which is date-stamped by the Records Office, or he/she may go online to withdraw. The date on the Total Withdrawal form, or the date the student withdraws online, is used to determine the percentage of financial aid earned and the amount (if any) of tuition refund. If the student leaves without notifying the University, then the last recorded date of attendance by the student, as documented by the institution, will be used to determine the date of withdrawal. The refund will be calculated based on this date. If the student began attendance but there is no specific record of the last day of attendance, the refund will be calculated at 50 percent in accordance with federal regulations. If a student receives all “Fs” for a term, it is assumed that the student completely withdrew (unofficial withdrawal), unless the student can provide appropriate evidence of completing any of the classes attended.

2. Tuition: There is no charge for withdrawing during the first week of each quarter. There is a minimum charge of 20 percent of the billed tuition for withdrawal during the second week of school regardless of whether or not a student attended classes. Thereafter, an additional 15 percent of the billed tuition is charged per week, up through the 7th week of the term. After the 7th week the student is charged 100% of tuition costs.

3. Fees: The comprehensive fee is prorated on the same schedule as tuition. Course material and lab fees are only refunded if the office of Student Financial Services receives written authorization from the academic department.

4. Board: The charge for meals will be prorated on a daily basis, calculated on the daily minimum to date or actual use, whichever is higher.

5. Room: The charge for room is governed by the Residential License Agreement, and is prorated on a daily basis. (See Section IV of the agreement).

6. Damage Deposit: Refund will be made to the student’s account when the residence hall dean returns the signed residence hall release to the Bursar’s office. The amount refunded will reflect any deductions made for damages or cleaning.

7. Illness: Special consideration will be given for tuition refunds in the case of accident or prolonged illness, if certified by an appropriate health professional. All requests should be submitted to the Student Financial Services Exceptions Committee.

8. Financial Aid: When a student totally withdraws from the institution after beginning attendance, his/her institutional and state financial aid is prorated in the same manner as tuition, as stated under item two above.

Federal financial aid is prorated based on a calculation prescribed in federal regulation which is slightly different from that used for institutional aid. The calculation determines the amount of federal aid the student earned while enrolled. The amount earned is calculated by multiplying the total financial aid for the term by the percentage of the term completed. The unearned federal aid (total financial aid less earned financial aid) must be returned to the student financial aid programs in the order prescribed by law and regulation:

- Unsubsidized/Direct Loan
- Subsidized/Direct Loan
- Perkins Loan
- Direct PLUS Loan
- Pell Grant
- Federal SEOG
- Federal TEACH Grant
- Iraq/Afghanistan Service Grant
- Other Title IV Programs

If any portion of the unearned financial aid was paid directly to the student (rather than applied to institutional charges), the student is responsible for returning these funds in the order listed above. The student (or parent, in the case of a Federal Parent PLUS Loan) must return the unearned funds for which he/she is responsible, to loan programs in accordance with the terms of the loan, and to grant programs as an overpayment, as per federal regulations.

The University does billing and collection of repayments, but a student who fails to repay will be referred to the U.S. Department of Education for collection (unless overpayment is a result of school error) and will no longer be eligible for further federal financial aid funds.

Veterans

A student who has been accepted and is eligible to receive veteran’s benefits, under the 1966 enactment, should contact Records Office for information regarding these benefits.

Financial Aid

How to Apply

Financial assistance for educational costs at La Sierra University is available from federal, state, University, and private sources. Most financial aid is awarded based on financial need as determined by the Free Application for Federal Student Aid (FAFSA), although some scholarships and unsubsidized loans are non-need based. All applicants must file the FAFSA by mail or Internet (recommended – http://www.fafsa.ed.gov.). Dependent students must include parental information. Students are encouraged to file early to receive maximum financial aid. The earliest date to file is January 1 for the following school year. The application deadline for the state of...
California’s Cal Grant program for first time students is March 2 for the following school year. The FAFSA may be completed prior to acceptance to the University but the student must be officially accepted through the La Sierra University Records Office before receiving an official financial aid award. Financial aid awards are calculated on the basis of full-time enrollment. Aid is generally credited to the student’s account for each term in which the student is enrolled. Awards are made without regard to sex, race, religion, nationality or ethnic origin, age, or physical disability.

**Awarding Process**

The financial aid awarding process requires the coordination of federal, state, and University aid programs. Therefore, it is imperative that students read and respond to all correspondence from Student Financial Services. Otherwise, the student’s financial aid may be delayed, decreased, or forfeited.

**Award Notification**

After students are accepted they will be notified of their eligibility for aid. The University requires that the student accept the financial aid award for the upcoming school year. Prompt response will allow the University to reserve financial aid funds for the student. If changes are made to a student’s award then a revised award notification will be sent to the student via email. Students are not required to respond to subsequent award notifications.

**Budgeting for Financial Aid**

A student’s “cost of attendance” is the total amount it will cost the student to attend La Sierra University during a specific period of enrollment, usually the academic year. Tuition and fees, as determined by Financial Administration, and estimated costs, as determined by the California Student Aid Commission and Student Financial Services, determine allowable budget amounts. The cost of attendance budget items include tuition and fees, books and supplies, room and board, personal costs, transportation, and student loan fees. The student’s “financial need” is the cost of attendance, minus the student’s (and parents’, if dependent) expected family contribution (EFC), as determined by the FAFSA. The total aid a student receives from all sources cannot exceed the student’s cost of attendance.

La Sierra University’s financial aid annual budgets for the 2012-2013 year (9 month) for full-time students are:

- Residence hall $40,527
- Living with parents/relatives $40,815
- Off-campus $45,450

*(Loan fees may be added to these figures)*

**Document Request**

Some financial aid programs require students and/or their parents to provide additional documentation to establish eligibility. The University will notify students via email if supporting information/documentation is required. If requested information is not provided by specified deadlines the award may be forfeited. No documents are accepted beyond the end of the aid year.

**Loan Process**

The University will notify student, parent, or sponsor borrowers when they need to complete paperwork or take some action in the loan process. Failure to respond promptly may jeopardize the student’s eligibility for the loan funds.

**Types of Financial Aid**

- **Grants**: Aid that does not have to be repaid unless the student does not complete the term
- **Loans**: Borrowed funds that usually must be repaid with interest
- **Loan-to-Scholarship**: Loans that become scholarships upon graduation from La Sierra University
- **Federal Work Study**: See following information

**Federal Programs**

**Eligibility**

Most federal financial aid programs require that a student have financial need as determined by the FAFSA. A student must also be enrolled and working toward a degree or certificate in an eligible program. Other eligibility criteria include being a US citizen or eligible non-citizen; having a valid Social Security number; making satisfactory academic progress; and, if required, registering with the Selective Service. International students are not eligible to receive federal aid.

**Satisfactory Academic Progress (SAP)**

An undergraduate student must maintain both an overall cumulative GPA and a La Sierra cumulative GPA of at least 2.00, and must satisfactorily complete two-thirds of the units attempted each year. In addition, a student will become ineligible if he/she exceeds 150% of the units necessary to complete his/her program, as listed on official La Sierra University curriculum sheets. In calculating the 150%, all units attempted (even those with grades of F and/or I, repeated courses, remedial courses, ESL courses, and courses taken at other institutions), whether financial aid was received or not, count toward the quantitative total. (For more information, refer to the “Acceptable Academic Progress” portion in the Academic Policies and Practices section of this bulletin.)
Federal Programs

Evaluation of a student’s eligibility to continue to receive federal aid will be made each year. Freshmen will be evaluated quarterly. A student who does not meet satisfactory academic progress standards will not be eligible for federal, state, or institutional aid until academic work is satisfactorily completed. A student may file a written appeal with the Office of Student Financial Services to seek an additional quarter to meet the required standards. Contact Student Financial Services for more information. Students who are disqualified from receiving financial aid may choose to re-enroll, however any previous balance and all tuition and fees for the current term must be paid prior to enrollment. Federal financial aid funds are packaged according to federal Title IV guidelines. For more information please contact Student Financial Services.

The following US Department of Education Student Financial Assistance Programs are available at La Sierra University:

Federal Direct Loans

Direct loans are either subsidized or unsubsidized. A subsidized loan is awarded on the basis of financial need. No interest accrues before repayment begins or during authorized periods of deferment. For information on deferment, grace period, and forbearance, please contact Student Financial Services. An unsubsidized loan is not awarded on the basis of need. Interest will accrue from the time the loan is disbursed until it is paid in full but payments can be deferred during periods of at least half-time enrollment. A student may receive both types of loan, subsidized and unsubsidized, for the same enrollment period. The interest rate for both the subsidized loan and unsubsidized loan is fixed at 6.8%. A fee of up to 1.0% will be deducted from each disbursement for either type of loan. Repayment of both subsidized and unsubsidized loans begins six months after graduation or separation from the University or when enrollment status falls below half time. There is a ten-year repayment period. Students are required by federal regulation to complete a loan exit interview at the time they separate from the University or when their enrollment status falls below half time. Failure to do so will prevent the student from receiving an official academic transcript and/or diploma.

Federal Stafford Loan Yearly Borrowing Limits

These limits apply to dependent undergraduate students:

- Freshmen (0-43 units) $5,500 ($3,500 subsidized)
- Sophomores (44-87 units) $6,500 ($4,500 subsidized)
- Juniors (88-135 units) $7,500 ($5,500 subsidized)
- Seniors/fifth year (136+ units) $7,500 ($5,500 subsidized)

Federal Iraq & Afghanistan service Grant

A student whose parent or guardian died as a result of U.S. military service in Iraq or Afghanistan after September 11, 2001, may receive increased amounts of Federal Student Aid if the student was 23 years of age or younger when the parent or guardian died; or if the student was enrolled at an institution of higher education at the time of the parent or guardian’s death. Students must complete the FAFSA in order to qualify.

Federal Pell Grant

This grant is only awarded to undergraduate students who have not earned a bachelor’s or professional degree. Award ranges are based on cost of attendance; expected family contribution (EFC), as determined by the FAFSA; and enrollment status (full-time, etc.). Only students with very low EFCs are eligible for Pell Grants.

Federal Perkins Loans

Perkins Loans are low-interest (5 percent) loans for students with financial need. No fees are deducted from this loan; accrual of interest and repayment begin nine months after graduation or separation from the University or when enrollment status falls below half time. There is a ten-year repayment period. Students are required by federal regulation to complete a loan exit interview at the time they separate from the University or when their enrollment status falls below half time. Failure to do so will prevent the student from receiving an official academic transcript and/or diploma.

Federal Supplemental Educational Opportunity Grant

This grant is awarded to undergraduate students with exceptional financial need (students with the lowest EFCs). Priority is given to students who receive Pell Grants.

Federal TEACH Grant

The Teacher Education Assistance for College and Higher Education (TEACH) Grant program awards up to $4,000 per year to students who are completing, or intend to complete, coursework to begin a career in teaching and who agree to serve for not less than four years as a full-time, highly-qualified teacher in a high-need field at a low-income school. If the recipient of a TEACH Grant does not complete four years of qualified teaching service within eight years of completing the course study for which the TEACH Grant was received, the amount of the TEACH Grant converts into a Federal loan: 

These limits apply to independent undergraduate students (or dependent students whose parents are unable to get a PLUS loan):

- Freshmen (0-43 units) $9,500 ($3,500 subsidized)
- Sophomores (44-87 units) $10,500 ($4,500 subsidized)
- Juniors (88-135 units) $12,500 ($5,500 subsidized)
- Seniors/fifth year (136+ units) $12,500 ($5,500 subsidized)

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- Juniors (88-135 units) $12,500 ($5,500 subsidized)
- Seniors/fifth year (136+ units) $12,500 ($5,500 subsidized)
Direct Unsubsidized Loan. Students should contact Student Financial Services to find out which academic programs qualify for this grant program.

**Federal Work-Study**

This program funds part-time jobs for students with financial need, allowing them to earn money to help pay educational expenses. Federal Work-Study (FWS) awards must be coordinated with other financial aid received. Payment is made directly to the student. Students receiving FWS awards in the summer are required to use these funds for Summer or Fall Quarter charges only. No FWS funds may be used to pay a balance from a previous aid year.

**Federal Direct Parent Plus Loan**

PLUS loans enable parents with good credit histories to borrow funds to pay the educational expenses of each child who is a dependent undergraduate student enrolled at least half time. The maximum PLUS loan is the cost of attendance less other financial aid received. The interest rate is fixed at 7.9%. A fee of up to 4% will be deducted from each disbursement. Interest begins to accrue immediately upon disbursement. Repayment generally begins within 60 days after the final loan disbursement for the academic year, with a maximum repayment period of ten years. Parents may request to defer payments while the student is enrolled at least half-time or while the student is in his/her 6-month grace period. Interest will accrue during periods of deferment.

**California State Programs**

The following California State Programs are available at La Sierra University:

**California State Grants (Cal Grant)**

Cal Grant A and B are available to California residents who meet GPA, financial need, and deadline requirements. Contact Student Financial Services for more information. Cal Grant funds must be coordinated with other aid and are designated only for tuition costs. Postgraduates who remain for the fifth-year teaching credential program are eligible for a fifth-year Cal Grant. To apply, file the FAFSA and GPA Verification form (GPAVF-available at www.csac.ca.gov or www.calgrants.org) by the March 2 postmark deadline for the following academic year. It is wise to obtain a certificate of mailing for both the FAFSA and the GPAVF as proof that the forms were mailed on time. Contact the California Student Aid Commission at 916-445-0880, for more information. Current recipients of a Cal Grant are not required to file the GPAVF; however, they must file the FAFSA and list the school they plan to attend the following year.

**California Chaffee Grant**

This grant is available for current or former foster youth who are enrolled at least half-time. Applicants must be both currently eligible for foster care or have been eligible between their 16th and 18th birthdays, and they must be under 22 years of age as of July 1, following the school year for which they are applying. Recipients must maintain satisfactory academic progress to renew the grant. Contact Student Financial Services for more information.

**Assumption Program of Loans for Education**

The Assumption Program of Loans for Education (APLE) offers partial loan repayment for future teachers in exchange for four years of service in specific California K-12 public schools. Applicants must have completed a minimum of 90 quarter units prior to the Fall Quarter in which they apply, and they must continue to be enrolled at least half-time. The application deadline is June 30 preceding the year for which the student is applying. Application materials are usually available at the School of Education and at Student Financial Services.

**Other Programs**

Students attending La Sierra University are not limited solely to the US Department of Education Student Financial Assistance Programs and the California State Programs. Other options include:

**Endowed Scholarships and Awards**

Each year enrolled students are considered for various scholarships and awards, granted on the basis of one or more of the following criteria academic excellence, citizenship, contribution to campus life, and financial need. The application deadline is late February for the following academic year, and scholarships are announced at a University Awards Luncheon at the end of May. Contact the Advancement office for a current list of the scholarships and awards that are available.

**La Sierra University 4-year Renewable Scholarship**

This is a renewable award for undergraduate students. A student may be awarded anywhere from $1,000 to $7,000 per year, based on the student’s level of academic performance (GPA). Students may move between award amounts annually based on changes to GPA. Award amounts will be determined on an annual basis. Students who are eligible for the National Merit Award or the La Sierra Achievement Award will not get both awards; they will get the higher of the two.
Non-need Based La Sierra University Scholarships

Students may find aid in a number of non-need based La Sierra University scholarships, including the La Sierra University National Merit award (up to 100% of tuition) and Freshmen Leadership awards (available to students who held certain elected or appointed offices during high school). Because these scholarships are not awarded on the basis of financial need, completion of a FAFSA is not required to qualify. Contact La Sierra University Enrollment Services for more information.

Outside Resources

Students are also encouraged to research outside scholarship resources that may be available. Libraries have publications outlining eligibility criteria. Student Financial Services posts lists of outside resources on the SFS bulletin board. Scholarship announcements are also located in the various schools and in the residence halls. Students are encouraged to go online at www.finaid.org for more comprehensive information.
Student Responsibility

Application to and enrollment in La Sierra University constitute the student’s commitment to honor and abide by the practices and regulations stated in the announcements, bulletins, handbooks, and other published materials both on and off campus and to maintain a manner that is mature and compatible with the University's function as a Seventh-day Adventist institution of higher learning.

The University was established to provide education in a distinctive Christian environment. No religious test is applied, but students are expected to respect the Sabbath and to honor the church values, standards and the ideals of the University. If prospective applicants choose to apply and are accepted to enroll as students, they must abide by these church values, standards, and ideals while they are enrolled at the University.

From University to Student

The University regards the student from a cosmopolitan and comprehensive point of view: cosmopolitan, in that historically the University's global mission has promoted bonds and opportunities in education and service without regard to sex, national or racial origin, or geographical line, and comprehensive, in that the University's concern for the welfare of the student has been traditionally an integrated concern for assisting the student in balanced development of the intellectual, emotional, physical, spiritual, and societal potentialities.

Health Services

Maintaining optimum health in the midst of the pressures of pursuing an education is an important part of student growth. Health Services provides referrals, advice, prescriptions, and basic care in accordance with the University health service plan.

All new and transfer students, both foreign and domestic, must assist Health Services in compiling a complete health record. Prior to attending classes, students must provide Health Services with evidence of a recent TB skin test, a recent complete physical examination, and updated immunization records. If a student does not have these records, he or she will be required to have the required tests and immunizations completed by Health Services prior to enrolling in classes. In that case, fees will apply.

Identification Number

All students will be assigned a University identification number, by the Office of Admissions and Records, and issued an identification card, by the Office of Student Life. After 5:00 pm until 10:00 pm, student I.D.'s are issued at the Security Office. The seven-digit ID number must appear on all checks payable to the University to ensure crediting to the proper student account. The ID card will be used for purposes of perimeter gates, admissions and records; for admittance to campus locations like the Library, healthcare, Fitness Center, residence halls, and cafeteria; and to access many of the campus services. When the student withdraws from all classes at the University during a term, the student must return their ID to the Office of Student Life.

Property Protection

Because a responsible adult has regard for the property of institutions and individuals, the mature student will endeavor to protect and safeguard University property, facilities, equipment, and supplies. Students are expected to assume responsibility for the safekeeping of personal belongings, using lockers where these are available, and otherwise exercising appropriate attentiveness to the protection of their own property and that of others.

Security and Safety

The Security Department’s main goal is to protect and secure the campus. On-campus duties of officers include patrolling the campus, assisting motorists, escorting, opening and securing buildings and gates, and helping to control parking for staff and students. The entry kiosk is now available to assist off-campus visitors.
Student’s Official Name

The official name for a student is the name the student submits on the original application for admission to the University. The Office of Admissions and Records will monitor any corrections and obtain names for initials submitted at registration. The official name of a student may be changed during attendance at La Sierra University by submitting a “Change of Data” form to the Office of Admissions and Records and an official document. Documentation may be required. A maiden name (where applicable) may be incorporated as a part of a student’s official name. The official name will be used for all University records such as registration forms, grade reports, transcripts, graduation programs, and diplomas/certificates of completions.

Transportation

The student is responsible for transportation arrangements and costs to off-campus assignments. The student who brings a car on-campus must arrange for campus vehicle registration and a parking permit. The law requires that adequate public liability insurance be carried by car owners, and the driver must have a valid driver’s license issued by the state of California.

Worship

University Worship and assembly programs, residence hall worships, small group studies, Rendezvous, and church worship services offer opportunities for personal spiritual enrichment. Choosing to enroll at this University implies the student’s willingness to meet required worship appointments as part of the educational experience. For specific policies and requirements regarding these services, refer to the Student Handbook and Guide to Residential Life.

Student Handbook

Detailed information concerning the University’s expectations of its students is explained in the Student Handbook, which is provided to every student admitted to the University. A copy is also available on the La Sierra University Student Life website.

Campus Organizations

Many campus organizations offer opportunities for extracurricular activity, experience, and growth. The following sample list suggests the range of groups that regularly function on the campus, governing themselves under bylaws approved by the Student Life Committee.

Academic

- Art Club
- Business Club
- Chemistry Club
- Club Ed
- Health and Exercise Science (HES) Club
- History Club
- Math and Computer Club
- Physics Club
- Pre-Dental Society
- Pre-Law Club
- Pre-Med Society
- Pre-Pharmacy Student Association (PPSA)
- Social Work Club

Cultural Student Associations

- Asian Student Association
- Black Student Association (BSA)
- Chinese Club
- Cultural Expressions
- South Asian Association

Honor Societies

- Gamma Tau
- Psi Chi
- Sigma Tau Delta
- Tri-Beta: Phi Omega Chapter
- Ministries
  - Hispanic Ministries
  - Homebase
  - Missions

Special Interest

- Anderson Group
- Astronomy Club
- Best Buddies International
- Club Angwin
- Club Towers
- Debate Club
- Drama Club
- Entrepreneurs Club
- Environmental Club
- La Sierra University Club Triathlon Team
- REVO
- Senior Class
- Social Justice and Awareness Club
- Student Association of La Sierra University (SALSU)
- Students in Free Enterprise (SIFE)
- We The People
- Women of Worth (WOW)
International Students

Admissions Requirements

International applicants are responsible for all regular requirements for admission except test scores from the College Board. Applicants whose previous education has been completed in countries other than the United States will be required to:

Request official transcripts in the original language (together with official English translations if the original language is not English). Students submitting transcripts from postsecondary institutions outside the United States of America will need to request an external evaluation of their records before credits are transferred. In some cases, the external evaluation may be required prior to acceptance. The student will need to contact the Office of Admissions and Records to start the external evaluation process.

Submit scores for the Michigan Test of English Language Proficiency (MTELP) or the Test of English as a Foreign Language (TOEFL) if educated in countries other than Australia, Canada, New Zealand, the United Kingdom, or the USA. (Those students who have taken 0 level or equivalent examinations and have received a passing grade with credit in English will be eligible for regular English placement testing rather than ESL testing.) For those applicants unable to provide either the TOEFL or MTELP tests, the University can provide MTELP testing as needed.

English Competence

See criteria above for those required to submit a Michigan Test of English Language Proficiency (MTELP) or Test of English as a Foreign Language (TOEFL) test score along with their secondary school and/or postsecondary transcripts as part of the application process. Applicants with MTELP percentiles of 90 or above or TOEFL scores 550 or above will be required to take the La Sierra University College Writing Test. Students who do not qualify for Freshman English will be placed in an appropriate pre-foundational reading and/or writing class which must be satisfactorily completed before entering ENGL 111.

The undergraduate student who does not have a sufficient score on the MTELP (percentiles of 90 or above) or the TOEFL (550 or above), will be required to take classes in the American Experience and Language Program (AELP) or English as a Second Language (ESL) program. An intensive language program is also offered during the summer. Further study of English may be required to assure progress toward a degree.

Any international student who has not taken an international TOEFL test before arrival at La Sierra University will be given a MTELP.

The University retains the right to re-test any students (even those indicated above) who experience academic difficulty related to language deficiency. If the scores indicate a need, such students will be placed in the appropriate pre-foundational English or ESL classes. For more information, refer to the “English as a Second Language” portion in the Academic Policies and Practices section and the English as a Second Language section of this bulletin.

Exchange Visitors

Through the US Department of State and the General Conference of the Seventh-day Adventist Church, the University has a program for exchange visitors that may be advantageous for international exchange visitors and scholars. Further information may be obtained from the Office of International Student Services.

I-20 REQUISITES

To be issued an I-20, all international applicants are required to submit a financial plan through the Financial Guarantee Form (FGF). This document shows how the student plans to cover the expenses of their planned education and must be approved by the Office of International Student Services before clearance will be given for the issuance of the I-20 form. Assistance with this plan and the Financial Guarantee Form is available from enrollment counselors in the Enrollment Services.

All international applicants (with the exception of Canadian citizens) are required to post an “international student deposit” of $1,000. In addition, students from Africa pay 1st quarter’s tuition. At the student’s request, the deposit will be refunded when the student completes his/her studies at La Sierra University. The deposit can also be used as partial payment for the student’s last academic term of attendance.

International students residing abroad must also post a $100 I-20 postage fee, used for postage and expenses related to the acquisition of the I-20. In order to insure proper and timely delivery, official documents necessary to obtain a student visa will be sent by Federal Express only after an applicant has been accepted, assurance has been provided that funds will be forthcoming to meet school expenses, and any and all deposits and the I-20 fee have been pre-paid. It is the University’s aim to use the most cost effective express mail service.

Because international students do not qualify for loans and grants listed under Financial Aid, parents or sponsors are responsible for making payment arrangements each quarter at registration. Students cannot carry over a balance from one quarter to the next.

International students transferring to La Sierra University from other US institutions are required to provide a completed “Transfer-in Form” completed by the institution that currently holds their I-20 form at the time of their application.
Immigration Requirements Once in the US

Undergraduate students entering the United States on a student visa (F-1) must report to the Office of International Student Services at La Sierra University within seven days of their arrival in the United States. In addition, students in F-1 status must be enrolled for at least 12 units for each quarter of attendance and must be enrolled for three consecutive quarters before they are allowed to take a break, while remaining in the US.

Once enrolled, international students who wish to change their programs of study must first obtain the approval of the Office of International Student Services. When such approval is granted, application for formal change of status may then be made to the Office of Admissions and Records according to the same procedures governing United States citizens.

Employment is limited by regulations of the United States Citizenship and Immigration Services (USCIS). This means that the international student is allowed to work on-campus for a maximum of 20 hours per week while school is in session (if work is available). Off-campus employment is, however, prohibited, unless it is a part of an academic requirement. Consult with the Office of International Student Services for up-to-date immigration regulations/procedures regarding employment.

International Student Health Insurance

La Sierra University requires all international students to carry health insurance while on a valid La Sierra I-20 or DS-2019 form. The Office of International Student Services will register international students with a comprehensive insurance plan. This insurance plan will be purchased for the student at the time of initial registration and will be automatically renewed while the student is listed as SEVIS-Active with a La Sierra I-20 or DS-2019 form. This will include periods when the student is not enrolled for classes or is out of the country. J-1 visa holders are required to have medical insurance for themselves and their dependants in the United States at all times.

To help reduce the cost of the international insurance premium, international students will be required to seek medical attention first at Health Service for basic medical needs such as doctor visits, some medications, check-ups, and health information. For the current fee amount, contact the Office of International Student Services at 951-785-2237. The insurance fee will be charged to the international student’s tuition account, will appear on the billing statement mailed to the student, and will be payable immediately. For more information, please refer to the Student Handbook.

Office of International Student Services

The Office of International Student Services (OISS) provides services that meet the diverse needs of the La Sierra University international student community and offers programs that foster global perspectives, intercultural awareness, and international goodwill. OISS is also dedicated to ensuring that the experience of the international student at La Sierra University is as positive and fulfilling as possible.

The OISS offers a comprehensive orientation program at the beginning of each quarter, designed to provide the international student with the initial framework for adjustment to a new cultural and academic environment. Upon their arrival, international students are given information on such topics as immigration and US Department of Homeland Security regulations, US income tax, and Social Security; told ways to make a successful cultural adjustment; provided with an introduction to La Sierra University and the Riverside community; and advised on practical issues like housing, transportation, and banking.

The OISS assists the international student in complying with regulations and documentation requirements of the US Citizenship and Immigration Service and the US Department of State, including information on regulations that govern on- and off-campus employment. On a continuing basis, OISS advises students and scholars on personal, academic, and professional concerns. The OISS further provides access to cross-cultural experiences to broaden students’ and scholars’ exposure to American society, culture, and institutions and to provide the opportunity to share the language, culture, and history of their home country with Americans.

The Office of International Student Services is in the Administration Building, Room 206 and can be reached at 951-785-2237.
The information in this bulletin is made as accurate as possible at the time of publication. Students are responsible for informing themselves of, and satisfactorily meeting, all requirements pertinent to their relationship with the University. The University reserves the right to make such changes as circumstances demand with reference to academic standing, admission, attendance, candidacy, conduct, curriculum, graduation, registration, and tuition and fees.

Academic Authority

Within each of the schools of the University, the Office of the Dean is the final authority in all academic matters and is charged with the interpretation and enforcement of academic requirements. Any exceptions or changes in academic requirements, graduation requirements, test schedules, and grades are not valid unless approved by the dean of the school. Any actions taken by individual faculty members in regard to these matters are advisory only and are binding neither on the school nor the University unless approved by the dean.

The Office of the Provost oversees the implementation of the University’s academic mission, ensures that the schools maintain acceptable University standards, and monitors the consistent application of the University’s policies.

Academic Integrity and Honesty

La Sierra University is committed to education for character, community, and culture. Embracing the principles of academic integrity is an important part of that commitment and provides a vital foundation for this community of scholars and its larger society. The following guidelines define academic integrity and establish a process to restore the community when violations occur. The University believes that education is fundamentally a place for scholars to work, learn, and grow in an atmosphere of trust and appreciation while providing fair and just corrective procedures to deal with those who breach such trust.

Academic Integrity Statement

All members of the community of scholars (students and faculty) at the university must agree to the following Academic Integrity Statement: I will act with integrity and responsibility in my activities as a La Sierra University student or faculty member. I will not participate in violations of academic integrity, including plagiarism, cheating, or fabricating information. I will not stand by when others do these things. I will follow the academic integrity policy.

Academic Integrity Committee

The Academic Integrity Committee (AIC), composed of students and faculty, has the responsibility of promoting academic integrity on campus, investigating and adjudicating appeals and violations, and issuing reports of its decisions to the appropriate campus administrators.

Violations of Academic Integrity

Violations of academic integrity include behaviors such as the following:

1. **Plagiarism** occurs when a writer appropriates another’s ideas without proper acknowledgement of the source or uses another’s words without indicating that fact through the use of quotation marks.
2. **Cheating** is the use of unauthorized materials, information, or study aids in an academic exercise as well as collusion in both visual or oral form.
3. **Fabrication** is the falsification or invention of any information or citation in an academic exercise. This includes lying to any member of the campus community.
4. **The facilitation of academic dishonesty** occurs when someone knowingly or negligently aids others or allows his/her work to be used in a dishonest academic manner. Such a person is as guilty of violating academic integrity as is the recipient.

Levels of academic dishonesty & Consequences

In cases where academic integrity is violated, there are multiple goals that must be balanced: the desire to ensure consequences that will preserve the integrity of the community of scholars; the hope that the violation can be an opportunity for those involved to learn honesty, respect, and responsibility; and the desire to allow for forgiveness and restoration.

The following classifications are used as rules of practice for faculty, administration, and the AIC in balancing these goals. The general descriptions of the levels apply to violations of academic integrity for students. Consequences for violations of academic integrity will be proportionate to the level of violation, with Level Four violations generally resulting in dismissal.

**Level One:**

Level One violations involve a small fraction of the total course work, are not extensive, and/or occur on a minor assignment. Cases involving Level One are primarily viewed as teaching opportunities and are therefore to be handled by the instructor in consultation with the student and subsequently reported to the AIC chair. In cases where no resolution is reached,
the instructor or student may refer the case to the AIC. Students may appeal the decision of the AIC to the Discipline Committee.

**Level Two:**
Level Two violations are characterized by dishonesty of a more serious nature or by dishonesty that affects a more significant aspect or portion of the course work. Cases involving Level Two are still primarily viewed as teaching opportunities and are therefore to be handled by the instructor in consultation with the student and subsequently reported to the AIC chair. In cases where no resolution is reached, the instructor or student may refer the case to the AIC. Students may appeal the decision of the AIC to the Discipline Committee.

**Level Three:**
Level Three violations include dishonesty that affects a major or essential portion of work done to meet course requirements, or involves premeditation. All cases involving Level Three violations are heard by the AIC. Students may appeal the decision of the AIC to the Discipline Committee.

**Level Four:**
Level Four violations represent the most serious breaches of intellectual honesty. All such cases are heard by the AIC. Students may appeal the decision of the AIC to the Discipline Committee.

**Responsibility of Students**
It is the responsibility of the students to avoid both dishonest practices and the appearance of dishonesty. Students should make the necessary effort to ensure that their work is not used by other students. They have the responsibility to protect the integrity of their academic work by doing all they can to stop the dishonest practices of others.

**Responsibility of Faculty**
It is the responsibility of faculty to aid students in developing honest academic habits by reporting all instances of academic dishonesty. Faculty requiring independent work (e.g., take-home tests, research papers, etc.) as part of the student’s grade should take appropriate precautions (e.g., teacher-student conferences, examination of research notes, etc.) to ensure that the work represents the student’s own efforts. It is recommended that faculty avoid basing an excessive amount (over 20%) of the student’s grade on such work where adequate supervision and controls are not possible.

In a situation involving actual or potential academic dishonesty, it is the responsibility of the faculty member to investigate all appearances or allegations of academic dishonesty, determine the level of violation, and take the appropriate action as outlined in the Faculty handbook.

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### Student Academic Appeals

A student who believes that he/she has been academically unfairly treated or disciplined may enter into the academic appeal process as set forth below.

**General Considerations**
An academic decision is one regarding such things as a grade on an assignment or in a course; academic standing; or eligibility to participate in an academic program or to receive an academic honor, certificate, or degree.

An academic decision may be posted in several ways such as the return of a graded assignment or exam, the response to a request for variance, the posting of course grades on the university website, or the delivery of a certified letter.

**Appeal Alteration**
The appeal of an academic decision must claim one or more of the following or similar reasons for the alteration of an academic decision:

1. The decision rests on an inaccurate factual claim.
2. The decision rests on a misinterpretation of a university policy.
3. The decision rests on an inconsistent application of a university policy.
4. The decision flows appropriately from a general university policy, but there is good reason in the particular case in question to grant an exception to this policy.

Where an appeal claims a factual inaccuracy or challenges the interpretation or application of a university policy, it is the responsibility of the student to demonstrate that the decision was clearly in error or that the entity that made the decision abused its discretion. It is also the responsibility of the student to comply fully with all aspects of the appeals process, including providing information in a timely fashion as requested by each entity hearing an appeal.

A student who wishes to appeal an academic decision must do so within fifteen school days (defined as the days within academic terms) after the decision is posted. The appeal must be in writing and should note which specific reason(s), as outlined above, the student claims in support of the appeal for an alteration of the earlier decision. The student should attach all available supporting documentation and should, if appropriate, identify persons who can provide evidence relevant to the appeal.
Steps for appealing a decision initially made by an instructor regarding a particular course

I. Step One: The student shall first discuss the decision with the instructor in an informal conference immediately after its occurrence, but no later than fifteen school days after the decision is posted.

II. Step Two: If the student is dissatisfied with the results of Step One, he/she may submit a written appeal to the department chair and/or program director whose department and/or program offers the particular course within fifteen school days of the conference accomplished in Step One. The department chair and/or program director, in consultation with the instructor, shall reply in writing within fifteen school days of receipt of the written appeal and shall state and affirm the decision, modify the decision, or overturn the decision based on information received subsequent to the conference. This reply will be reported to all persons currently involved—the student and the instructor—and will be filed in the permanent files of the department and/or program.

III. Step Three: If the student is dissatisfied with the results of Step Two, he/she may submit a written appeal of the decision from Step Two within fifteen school days of receipt of the written decision of Step Two to the next higher authority as follows. If the department or program from Step Two is housed within a school, the next higher authority is the dean of the school. If the program from Step Two is not housed within a school (e.g., University Studies or Honors Program), the next higher authority is the Office of the Provost. The dean or the Office of the Provost must consider the student’s claims carefully. When the interests of justice so require, the Office of the Provost may decide to convene an appeal panel to review the appeal and report on its merit.

A. If a panel is convened, the panel will comprise three faculty members: one chosen by the student, one chosen by the instructor, and one—who will function as the panel chair—chosen by the dean or the Office of the Provost. The appeal shall be considered at a meeting of the appointed panel. This shall be commenced within fifteen school days following receipt of the appeal by the dean or Office of the Provost. The panel shall report to the dean or the Office of the Provost within fifteen school days of its initial meeting. The dean or the Office of the Provost shall reply to the student in writing within fifteen school days of receiving the panel’s report and shall state the decision of Step Two and affirm, modify, or overturn the decision.

B. If a panel is not convened, the dean or the Office of the Provost shall reply in writing within fifteen school days of receiving the appeal and shall state the decision of Step Two and affirm, modify, or overturn the decision. The decision of the dean or the Office of the Provost is final.

Steps for appealing a decision initially made within the office of the dean of a school

I. Step One: The student shall first discuss the grievance decision with the dean in an informal conference immediately after its occurrence, but no later than fifteen school days after the decision is posted.

II. Step Two: If the student is dissatisfied with the results of Step One, he/she may submit a written appeal to the Office of the Provost within fifteen school days of the conference, accomplished in Step One. The Office of the Provost must consider the student’s claims carefully. When the interests of justice so require, the Office of the Provost may decide to convene an appeal panel to review the appeal and report on its merit.

A. If a panel is convened, the panel will comprise three faculty members: one chosen by the student, one chosen by the dean, and one—who will function as the panel chair—chosen by the Office of the Provost. The appeal shall be considered at a meeting of the appointed panel. This shall be commenced within fifteen school days following receipt of the appeal by the Office of the Provost. The panel shall report to the Office of the Provost within fifteen school days of its initial meeting. The Office of the Provost shall reply to the student in writing within fifteen school days of the receipt of the panel’s report and shall state the decision of Step One and affirm, modify, or overturn the decision.

B. If a panel is not convened, the Office of the Provost shall reply in writing within fifteen school days of the receipt of the appeal and shall state the decision of Step One and affirm, modify, or overturn the decision. The decision of the Office of the Provost is final.

The reply generated in either situation will be reported to all persons currently involved—the student, the dean, the dean’s Executive Committee, and, if convened, the panel members. The reply must also be reported to other campus entities as appropriate (e.g., the Records Office and the Office of Student Life). This reply will be filed in the permanent files of the offices of the dean and the Office of the Provost.
Advisement

The University is committed to assist every student in the area of academic advisement. Every full-time student is assigned an academic advisor from his or her chosen major field and is required to consult with the advisor before registering for classes. Each student’s schedule is planned individually to be academically sound, to reflect academic needs and interests, and to support career goals.

The academic advisement for all ESL/ELAC students will be assigned to the ESL program regardless of the student’s major. The ESL advisor will consult with the academic department involved in order to design a program that will best aid the student in reaching his or her academic goals. All ESL students will continue to be advised by the academic advisor in the ESL program together with the advisor in the major program until the student has successfully completed ENGL 111 with a minimum grade of C (2.00).

The Center for Student Academic Success (C-SAS) plays an integral part in the advising of incoming freshmen and transfer students, and students pursuing pre-health programs. (For more information, refer to the “Center for Student Academic Success” portion of the Academic and Instructional Resources section of this bulletin.)

Registration and Attendance

Attendance

Class attendance is required beginning with the first day of each session. Attendance at all appointments is expected. It is the prerogative of the instructor to establish a reasonable attendance policy for each class taught and to make this known in writing to the students at the beginning of the quarter. When there is no stated policy by the instructor, students who are absent for as much as 20 percent of the class hours should not expect to receive credit.

Audit

Audit indicates registration for attendance only. A notation of AU will appear on the grade report if the student attends at least 80 percent of the class meetings; otherwise, a notation of AUW (Audit Withdrawal) will appear. There is a special audit charge rate. A student may audit only lecture courses. Courses requiring special instruction and laboratories, such as studio art, science courses, etc., cannot be taken on an audit basis.

Class Schedule

The class schedule prepared each quarter by the University includes classes offered by subject, location, campus, and general education fulfillment. The schedule is available electronically prior to advisement and registration each quarter or the student may elect to obtain it at the Records Office. Students are responsible for being aware of information contained in the class schedule.

Course or Program Changes and Withdrawal

To add a course or withdraw from a course, a student has the option of processing the change on the web or at the Records Office. This should be done in consultation with the student’s advisor and/or academic dean.

Deadlines

Since many summer session courses are taught at dates other than the standard six-week session, students should consult the Records Office for deadlines for such courses.

A course dropped during the first 10 class days of a quarter is not included on grade reports or transcripts. If a student withdraws after 10 class days and by 13 class days before the beginning of final test week, a notation of W is recorded.

A student who wishes to add a course, or to change registration in any course from audit to credit, or credit to audit, must do so within the first six class days of the quarter. See the calendar found in this bulletin for the exact dates pertinent to each quarter.

A student wishing to be graded for a course on a satisfactory/unsatisfactory basis must fill out the appropriate form, have it signed by his/her advisor, and turn it in to the Records Office no later than 10 class days before the first day of final examination week.

Registration

A student must be admitted to the University through the Admissions Office and must register on the dates designated in the University calendar found in this bulletin. Complete instructions are published each quarter in the class schedule. A student is not registered until financial clearance has been obtained from Student Financial Services, all classes joined have been entered into the campus database by the date published, and the student has completed the Confirmation of Registration. Late fees apply on the dates indicated in the calendar. A student may not attend a class without being registered for it.

Laptop Computer Policy

La Sierra features a digitally enhanced campus. Classroom and laboratory activities and assignments increasingly incorporate media and promote the development of student digital literacy. All students are required to own a laptop computer, tablet, or similar device. Students should consult the university website or bookstore for program-specific technology requirements.
Academic Status

**Academic probation**
A student who fails to make acceptable academic progress.

**English Language and American Experience Program (ELAC)**
A student who is only permitted to register for ELAC courses through the English Language and American Experience program.

**Continuing Education**
A student who is registered only for continuing education courses.

**ESL (English as a Second Language)**
A student who lacks documentation for English competency or who has received substandard scores therein. Appropriate placement depends upon the results of in-house testing.

**Non-degree/Unspecified**
A student who has not been admitted to a degree, certificate program, or pre-professional program but who is registered for selected courses in one of the schools of the University.

**Provisional**
A student who has not yet received regular status, either because of qualitative or quantitative deficiencies in academic record. A student with provisional status must sign a contract that outlines restrictions on course load and on participation in any extracurricular University activity such as mission trips, athletics, recruiting, etc., and that requires the utilization of academic resources.

**Regular**
A student who has met all entrance requirements as listed in this bulletin and is making acceptable academic progress while registered for a standard course of study leading toward a degree or certificate in one of the schools of the University.

Course Load

**Course Sequence and Credit for Prerequisites**
Credits toward graduation are generally not granted for a beginning or introductory course which is taken after a more advanced course in the same area, or for a course which is taken after another course for which it is a prerequisite. It is expected that prerequisites as printed in this bulletin will be completed before enrollment in any course.

**Non-credit Course**
Organized subject matter in which instruction is offered for which academic credit is not given. These courses will be clearly marked as not for academic credit.

**Student Status**

**Full-time Status:**
An undergraduate student carrying 12 or more units per quarter is considered a full-time student.

**Part-time Status:**
Fractions of a load for part-time students (1/4, 1/2, 3/4) are based on 12 quarter units for undergraduate students.

**Non-Degree Unspecified Status:**
Though for the undergraduate student there is currently no limit to the number of courses that may be taken as a non-degree/unspecified student, such courses do not guarantee acceptance into a degree or pre-professional program, nor is there a guarantee that these courses will transfer into the desired program even if the student is admitted therein. Non-degree/unspecified status will be reflected on the transcript. This status is not available to a former student who has been denied readmission.

**Unit of credit**
Credit is granted in terms of the quarter unit, which represents a minimum of 10 hours of university-level instruction during a quarter plus a reasonable period of time outside of instruction (the requirement is 100 minutes of preparation/homework for every 50 minutes of class) in preparation for planned learning experiences (such as the requisite study, preparation for instruction, study of course material and practices); or a minimum of 25-30 laboratory hours or its equivalent in pre- and/or post-laboratory studies. One hour of class time is defined as 50 minutes of actual class time not counting breaks. A break is expected for any class period longer than 100 minutes.
**Student Teacher**

The directed teaching experience is considered a full academic load. A student will be allowed to take an additional course only in exceptional cases and by permission of the coordinator of student teaching.

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**Special Coursework**

**Directed Study Courses**

Independent study is offered to provide the opportunity for a student to have a special academic experience, beyond that which offered in the regular coursework, that is supervised by a faculty member with expertise in the area of study. It is evaluated according to specific goals prescribed in a document of agreement which includes a description of the work to be done, the basis of grading, the number of credits to be awarded, and an agreed-upon schedule for the student-teacher contact.

In degree programs, independent study is limited to 12 quarter units of undergraduate credit, or 8 quarter units of graduate credit. Courses appearing in the bulletin shall always be taken under their own course number regardless of class size.

**English as a Second Language Courses**

Courses in English as a Second Language are offered by the English as a Second Language program. A maximum of 16 lower division units of English as a Second Language classes are allowed toward the minimum 190 units required for graduation.

Students who attain a TOEFL score of 500-549 (or a MTELP average of 80 to 89 percentile) will be assigned two ESLC courses and may enroll in other university course(s) as recommended by the ESLC advisor.

Students who attain a TOEFL score of 550 or above (MTELP 90 percentile average and at least 80 percentile average in Language Proficiency) and attain a score of 4 or above on the La Sierra University College Writing Test will no longer be required to enroll in ESLC courses, and are required to enroll in ENGL 111, 112, 113 in sequence each successive quarter until the three courses are completed, with a minimum grade of C (2.00).

Additional placement testing may be required before enrolling in other university classes, including ENGL 111.

For further information, refer to the “English as a Second Language” portion in the Admission Information section and the English as a Second Language section of this bulletin.

**University Studies Foundational Requirements**

Foundational requirements, other than upper division argumentation and inquiry requirements, must be completed before a student’s senior contract can be approved. For more information, please refer to the University Studies portion of the undergraduate bulletin.

**Pre-Foundational Courses**

Pre-foundational course units at La Sierra University (courses numbered 000-099) do not contribute toward graduation in any major or program at the University and are not usually transferable to another institution. Grades for pre-foundational courses will be issued, computed in the grade point average, and will be used to help decide a student’s suitability for continuance at the University. (The S/U option may not be chosen.)

La Sierra University expects minimum competencies in English and mathematics as entrance requirements. A Qualifying Hold is placed on entering freshmen and transferring students who have not demonstrated minimum competencies. Students placing into pre-foundational course(s) must enroll in the appropriate pre-foundational course(s) each quarter (fall, winter, spring) until all required pre-foundational courses are completed.

Students wishing to enroll in a pre-foundational class must attend class by the second day of that pre-foundational class. Students must be registered for a pre-foundational class by 5:00 pm on the second day of that pre-foundational class. Registered students who have not attended a pre-foundational class by day two of the class will be administratively withdrawn from the class.

A qualifying hold is removed when:

- The student scores at or above the University’s minimum cut-off on the required diagnostic test(s). Students who score below the minimum cut-off on the University’s diagnostic test(s) will be required to complete appropriate pre-foundational course(s).
- The student earns a C (2.00) or above in the La Sierra University remedial pre-foundational course(s) required for entry into College Writing and/or college-level math classes.
- The University receives official transcripts from an accredited university/college showing a grade of C (2.00) or above in courses La Sierra University deems equivalent to ENGL 111-College Writing and a college level math class.
Students with an official transcript from an accredited university/college showing a grade of C (2.00) or above in courses equivalent to pre-foundational classes at La Sierra University must either pass the University’s diagnostic test(s) or retake and pass the course(s) at La Sierra University to fulfill any pre-foundational requirements.

**Special Credit Situations**

**Credit by Equivalency Examination**

For certain courses offered by the University, a student may earn credit by passing an equivalency examination administered by the appropriate school and department. Such an examination is at least equal in scope and difficulty to a final examination in the course.

1. Equivalency examinations are not allowed for courses that have been attempted for credit or have been audited or for pre-foundational courses (numbered below 100). Neither can credit be earned in this way to make up for a course for which an unsatisfactory grade was received. An equivalency examination in a given subject may be taken only once.

2. A currently admitted student desiring credit by equivalency examination must petition the dean of the school offering the course and, if applicable, the dean of the student’s school of residence and, upon approval, pay testing and recording fees as specified in the Financial Information section of this bulletin. (If exam is not passed, the recording fee only is refunded.)

3. Upon the student’s successfully passing the examination, a grade of S (Satisfactory) is recorded only after the student has completed one quarter, or the equivalent, at La Sierra University, and has earned at least 12 quarter units of credit with a grade point average of at least C (2.00) in undergraduate courses.

4. Units earned by equivalency may not be used as part of the enrolled load or of the required minimum residency units.

5. Equivalency examinations must be taken before enrolling in a course for which it is a prerequisite.

6. Equivalency examinations must be taken before the beginning of the final quarter of residence (the term of graduation).

7. The amount of credit that may be earned by equivalency examination is limited to a maximum of 24 quarter units.

**CLEP Examinations and the Advanced Placement Program**

Regulations for CLEP examinations and Advanced Placement program are outlined under the “Transfer Credit” portion in this section of the bulletin.

**Transfer credit**

Transfer credit is defined as credit earned at another postsecondary institution in the United States accredited with a regional or national association recognized by the American Council on Education; credit earned at a postsecondary institution accredited by the Accrediting Association of Seventh-day Adventist Schools, Colleges, and Universities; or credit earned at a foreign postsecondary institution recognized by its government. Transfer credit is determined by the Records Office in consultation with the appropriate academic dean.

The University may require a written, oral, or practical examination in any course for which transfer credit is requested. In such cases, an examination fee may be required.

1. A maximum of 16 undergraduate quarter units of transfer credit for accredited distance learning or correspondence courses is acceptable. The amount and content of such credit toward degree requirements is determined by the Records Office in consultation with the appropriate academic dean.

2. All transferable lower division academic courses taken from an accredited community, city, or junior college will be transferred, but a maximum of 105 units will count toward units needed for graduation.

3. Credit is accepted from a professional school only if the school is recognized by its regional or national accrediting organization and if the work is substantially equivalent or essentially relevant to courses offered at La Sierra University. (Half credit is granted from professional schools for professional classroom courses.)

4. Credit for students in the military is granted according to recommendations of the American Council on Education. Undergraduate degree credit is granted as recommended by the Commission on Educational Credit.

5. CLEP guidelines are as follows:

   A. CLEP subject examinations passed at or above a scaled score of 50. The amount of credit given may vary according to the examination(s) taken. For an examination covering the material included in a one-quarter course, the amount of credit is normally 4 units; for an examination covering the material included in two quarters of classes, it is normally 8 units.

   B. Examinations in which course credit may be given are determined by the University Academic Council and maintained in the Learning Support and Testing Center and the Records Office.

6. Credit is granted for scores of 3, 4, or 5 on Advanced Placement (AP) examinations taken while enrolled in secondary school and submitted by the College Entrance Examination Board. The amount of credit assigned is determined for each examination by the Records Office in consultation with the appropriate academic dean.
7. Students who have transcripts from non-accredited institutions and/or transcripts showing non-transferable courses may request to take equivalency examinations in courses which are comparable to those offered by the University. Upon successful completion of the examinations, the student will be given equivalent credit as specified.

8. Credit is granted for scores of 4-7 on International Baccalaureate higher level diploma courses (no credit for subsidiary level) taken while enrolled in secondary school and submitted on an International Baccalaureate (IB) transcript. The amount of credit is determined for each examination by the Records Office in consultation with the appropriate academic dean and is dependent, in part, on the length of the course (half- or full-year course).

9. All international transcripts must be evaluated by a foreign educational credential agency. This can be done through La Sierra University after the official transcripts have been submitted or the student may contact the credential agency independently and have the results mailed to our institution. For further assistance and list of valid agencies, please contact the Records Office at (951) 785-2006 or e-mail at registrar@lasierra.edu. If the student decides to have the evaluation done through La Sierra University, a fee of $180 is required to be paid for processing, then the transcripts will be submitted to Evaluational Credential Evaluators Inc (credential agency preferred by La Sierra University) for evaluation.

10. Transfer pre-foundational courses are not applicable toward a degree from La Sierra University.

11. Credit for prior experiential learning is granted at the Division of Continuing Studies, by portfolio, according to written policies available in the office of each academic dean.

**Waiver of a Requirement**

A student may request the waiver of a requirement if a prior course or experience fulfills the requirement but does not qualify for transfer of credit. An examination may be required.

1. A request to waive a requirement is made to the Dean of the school and/or program director offering the course, and if applicable, to the Dean of the student's school of enrollment. The request must be petitioned and the examination, if any, taken before the final quarter of residence.

2. The maximum amount of coursework that may be waived is determined by the University Academic Affairs Committee Council.

3. A waiver does not reduce the credit hour or residency requirements.

4. Waiver examinations are not given for courses assigned pre-foundational course numbers nor for courses that have been attempted for credit or have been audited.

5. A waiver examination does not carry academic credit and may not be repeated.

6. The testing fee for a waiver examination is listed in the Financial Information section of the bulletin.

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**Class Standing**

**Definitions**

Undergraduate students in the University are accorded class standing on the basis of the amount of coursework completed as follows:

- Freshman: less than 44 units
- Sophomore: 44-87 units
- Junior: 88-135 units
- Senior: 136 or more units

**Eligibility for Coursework**

A freshman may take lower division courses (numbered 101-299) but not upper division courses (numbered 301-499). A sophomore, junior, or senior may take any lower or upper division course for which the prerequisite qualifications have been met.

**Graduate Courses for Undergraduate Seniors**

A senior in an undergraduate curriculum who otherwise meets all requirements for graduate standing may be allowed to take graduate courses for graduate credit simultaneously with courses that complete bachelor's degree requirements if so registering does not constitute a load in excess of 18 units. The total number of graduate units the student can take before being admitted to graduate study is not to exceed 8 units. These units may not count as part of the minimum 190 required for a bachelor's degree. The student must obtain the approval of the course instructor, the dean of the school offering the course, and the dean of the student's school of enrollment. The student must then notify the Records Office to reserve those units for graduate credit.
Scholastic Standing

Basic Assumptions
The following assumptions form the basis on which the grading system operates:

1. Acceptable standards of performance (objectives) are specified for a course in the syllabus.
2. The teacher provides opportunities for the student to practice the kinds of performance called for in the objectives.
3. Letter grades are based on achievement of valid objectives.
4. Credit for completing a course is given only when a student has achieved an acceptable standard of performance.

Grades and Grade Points
The following grades and grade points are used in this University:

<table>
<thead>
<tr>
<th>Grade</th>
<th>GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
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<tr>
<td>A-</td>
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</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
<tr>
<td>XF</td>
<td></td>
</tr>
</tbody>
</table>

S
Satisfactory performance, units counted toward graduation. Equivalent to a C (2.00) grade or better in undergraduate courses or a B (3.00) grade or better in graduate courses. May not be given for pre-foundational coursework or for coursework in a student's major field or professional curriculum requirements, except for courses in which it has been determined that letter grades are inappropriate. A course in which a student has requested to be graded on an S/U basis may be applied only toward the general physical education activity requirement or as a free elective toward graduation. To request S/U grading, the student files with the Records Office, the appropriate form, signed by the advisor, by 10 class days before the first day of the final examination week. Once filed, the grade is not subject to change. An “S” grade is not computed into the GPA.

U
Unsatisfactory performance, units not credited. Given only when performance for a course falls below a C (2.00) grade in the undergraduate courses or a B (3.00) grade in graduate courses, and the student has filed with the Records Office the appropriate form requesting an S/U grade, signed by the advisor, 10 class days before the first day of final examination week. Once filed, the grade is not subject to change. The “U” grade is not computed into the GPA.

Notations

(AU) AUDIT
Indicating registration for attendance only. This option does not include a predominantly laboratory experience course. A student must attend at least 80 percent of the class meetings. A request to change an audit course to credit or credit to audit may be made no later than the sixth class day after the beginning of a quarter.

(AUW) AUDIT WITHDRAWAL
Given when the 80 percent class attendance audit requirement was not observed.

(I) INCOMPLETE
Given for circumstances beyond a student's control, and only if at least 75 percent of the coursework has been completed. A student requests an I grade from the instructor by completing a Petition to Receive an Incomplete Grade Form which includes the reason for the request. It is the student’s responsibility to request the signature of the instructor and the department chair and/or program director or dean and, if granted, leave the form with the instructor. On the Petition to Receive an Incomplete Grade Form, the instructor will state the deadline for completion (no later than the end of the following term, but excluding the summer session for those not in attendance during that term) as well as the default grade which the student
will receive if the deficiency is not removed within the time limit. Incomplete units are not calculated in the grade point average. An I may be changed to a grade only by the instructor processing a Change of Grade Form within the time limit; otherwise the default grade will be assigned.

(IP) IN PROGRESS

Given at the end of the first quarter for classes indicated as IP classes prior to registration. Classes eligible to be offered with the possibility of IP grading are determined by the dean of the school offering the course and this designation is indicated to the Records Office prior to class registration. IP courses have a maximum duration of four quarters (three quarters following the quarter in which the student first registers for the course). Classes that involve continuing research, extended dissertations, the implementation of certain features of education, fieldwork, and directed teaching illustrate the types of classes that merit IP grades. The student’s final grade is entered at any time upon submission to the Records Office by the instructor of a completed Change of Grade Form. If the work is not completed within the designated time for the completion of the IP course, a grade shall be issued by the instructor. When a grade is issued, the date of issue will appear on the student’s transcript.

(IPW) IN PROGRESS WITHDRAWAL

Given at the request of the student by filing with the Records Office the appropriate form after the end of the first quarter but prior to the fourth quarter cut-off date for withdrawal. (For withdrawal during the first quarter a W is assigned.) When an IPW is issued, the date of issue will appear on the student’s transcript and becomes irreversible at that time.

(W) WITHDRAW

Given for withdrawal from a course after the first 11 class days of the quarter and by 10 class days before the beginning of final test week. Withdrawals during the first 11 class days of a quarter, or as designated in the calendar of the summer session, are not recorded if the student files with the Records Office the appropriate form prior to the cut-off date.

General Degree Requirements

Evaluation and Application for Graduation

All students anticipating graduation must file an Application for Graduation with the Records Office within the first two weeks of their third term prior to the expected date of completion. Application for Graduation forms may be obtained from the Records Office website. It is recommended that the student request an evaluation (personalized summary of graduation requirements) and secure a copy of the current Graduation Regulations from the Records Office early in the junior year of enrollment. A student, who in September of the senior year has more than 54 quarter units remaining uncompleted, should not expect to graduate the following June. Foundational requirements, other than upper division argumentation and inquiry requirements, must be completed before a student’s senior contract can be approved. For more information, please refer to the University Studies portion of this bulletin.

Graduation Requirements

On the recommendation of the faculty of the school granting the students’ degrees (the College of Arts and Sciences, the School of Business, or the Divinity School) La Sierra University awards bachelor’s degrees to students who have completed the following minimum academic requirements:

A. 190 units of coursework with an overall grade point average of at least C (2.00), and an overall grade point average of courses taken at La Sierra University of at least C (2.00);

B. At least 60 units of credit in the upper division (courses numbered 300 to 499);

C. A major and any required cognates (and minor, if desired), with no course counted for which students received a grade lower than a C (2.00);

D. The University Studies Program (general education) curriculum or Honors Program curriculum;

E. Participation in their department and university assessment plan;

F. The residency requirement of 44 of the last 56 units taken in residence at La Sierra University;

G. In the case of transfer students, 16 units in the major program and 8 units in a minor program, if any, completed in residence at La Sierra University; and

H. Possession of an approved Application for Graduation on file in the Records Office.

Students should obtain a copy of the current Graduation Regulations form and file an official request for an evaluation (personalized summary of graduation requirements) with the Records Office early in their junior year of enrollment. Students must also file an Application for Graduation with the Records Office within the first two weeks of the third term prior to the expected date of completion. For the most up-to-date information, contact the Records Office.
Undergraduate Residency Requirement

Credit from another accredited institution of postsecondary education may be transferred to the University if it is received by the Records Office on an official transcript sent directly from the institution granting the credit and bearing the seal of that institution. Credit toward graduation is given for those courses that are also taught by the undergraduate schools of La Sierra University or are normally taught by a liberal arts college (with the exception of pre-foundational courses). Transcripts containing credit to be applied toward degree requirements must be received by the Records Office no later than the end of winter term for spring term graduation. For more information, refer to the “Transfer Credit” sub-section of the “Special Credit Situations” portion in this section of the bulletin.

Upon completion of off-campus coursework approved to be taken during the final term, an official transcript must reach the Records Office no later than 45 days following the conclusion of the term. The prospective June graduate must also have the off-campus instructor submit an expected minimum grade to La Sierra University in time for it to reach the Records Office three weeks before graduation if the student expects to participate in the commencement events.

A minimum of 44 of the last 56 units of credit needed for the graduation with a baccalaureate degree, 16 units in the major and 8 in the minor (if any), must be taken in residence at La Sierra University. This policy allows for 3 classes with labs or a maximum 12 of the last 56 units of coursework before graduation with a baccalaureate degree to be taken at another accredited institution or by correspondence if prior approval has been obtained with an Off-Campus Request form submitted to the Records Office.

Graduation with Honors

<table>
<thead>
<tr>
<th>Honor</th>
<th>GPA</th>
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</thead>
<tbody>
<tr>
<td>Summa cum laude</td>
<td>3.90</td>
</tr>
<tr>
<td>Magna cum laude</td>
<td>3.80</td>
</tr>
<tr>
<td>Cum laude</td>
<td>3.50</td>
</tr>
</tbody>
</table>

Although the official graduation roster indicates the names of graduates who qualify for honors on the basis of their combined institutional and overall grade point average as of the end of the quarter preceding their final term, the subsequently issued diploma and transcript will indicate graduation with honors if the student’s final quarter’s record has raised the grade point average sufficiently to qualify for honors at that time. In order to qualify for graduation with honors, a student’s institutional and cumulative GPA must fall into one of the above categories.

“University Honors” Designation

A student who satisfactorily completes the University Honors Program; the honors project; and the thesis, production, or exhibition; and who has a cumulative GPA of 3.50 will have the designation “University Honors Program” in addition to the listing of degree and major and the appropriate Latin honor. This designation will be added to the commencement program, the diploma, and the transcript.

Recognition of Candidates for Degrees

Recognition of Candidates for Degrees is a formal recognition event which may occur away from the home campus when a school has a significant number of candidates completing degree requirements in an off-campus or extended campus situation. Diplomas are not formally awarded at this event but will be forwarded to the student later. The names of the candidates are also included in the printed program of the next Commencement event. The Dean of the school or the Director of the off-campus program coordinates this ceremony.

Diploma and Statement of Completion

Diplomas are available after the student’s final quarter, after the receipt of all instructor grade reports, after final academic checks have been completed, and after all have been met including financial obligations to the University.

Those candidates who complete the requirements for a degree at times other than the regularly scheduled diploma date may request from the Records Office a statement of completion to be used until the diploma is available, if all financial and academic obligations have been met.

Additional Graduation Information

To be eligible to participate in graduation events, candidates are required to have completed all requirements for the degree.

A graduate is considered a member of the class of the calendar year in which the diploma is dated.

A student who completes the requirements for a degree at the end of the spring quarter is expected to be present at the University’s conferring of degrees and the presentation of diplomas in June.

A student who completes the requirements for a degree at the end of the autumn or winter quarter or the summer session is invited and encouraged, but not required, to participate in the subsequent conferring of degrees, at which time the printed program lists all candidates who have completed requirements for degrees since the preceding commencement.

The University reserves the right to limit participation in graduation or recognition ceremonies to students who have satisfactorily completed all the requirements for a degree.
Other Policies and Procedures

Acceptable Academic progress

For the undergraduate student acceptable academic progress is considered to be:

1. The removal of provisional status during the first quarter (or 12 units) of attendance as determined by the dean at the time of enrollment.
2. The maintenance of an overall cumulative GPA and a La Sierra University (institutional) cumulative GPA of at least 2.00.
3. The completion of the conditions of residency.
4. The maintenance of continuous registration from the completion satisfactorily of all requirements for a bachelor’s degree within eight years.

Consequences of failure to make acceptable academic progress

An undergraduate student failing to make acceptable academic progress is subject to restrictions (as determined by the Dean of his/her school or college) on enrollment status and University-related activities as follows:

1. **Academic Warning**: A student whose cumulative and La Sierra University grade point average (GPA) remains at 2.00 or higher but whose quarter grade point average falls between 1.00 and 1.99, is placed on academic warning and will receive a letter indicating this status. Students in this category are considered to be in regular standing.

2. **Academic Probation**: A student whose cumulative and/or La Sierra University grade point average falls below 2.00 or whose term quarter grade point average falls below 1.00, is placed on Academic Probation the next quarter. A student on Academic Probation is subject to a restricted course load, required academic resources, and to restrictions on participation in any extracurricular University activity such as mission trips, athletics, recruiting, etc., and requires the utilization of academic resources. The student is expected to work with university entities (Learning Center, advisors, counseling, etc.) who can supplement the educational experience in order to improve their academic performance. A student may not be on Academic Probation for more than one quarter, consecutively.

3. **Critical Academic Probation**: A student on Academic Probation who fails to raise his/her cumulative and La Sierra University grade point average to 2.00 or above, or who earns a quarter grade point average below 1.00 is placed on Critical Academic Probation with restrictions on course load, required academic resources, and on participation in any extracurricular University activity such as mission trips, athletics, recruiting, etc., and requires the utilization of academic resources. The student will have a contract with the dean stipulating a working relationship with university entities (Learning Center, advisors, counseling, etc.) who can supplement the educational experience in order to improve their academic performance. A new or transfer student designated as Provisional (One Quarter Basis) is considered to be on Critical Academic Probation.

4. **Academic Disqualification**: A student on Critical Academic Probation who does not raise his/her cumulative and La Sierra University grade point average to 2.00 or above, or who earns a quarter grade point average below 1.00 during the quarter of Critical Academic Probation, or a student admitted as Provisional (One Quarter Basis) who fails to fulfill his/her admission contract is placed on Academic Disqualification. The Records Office is so notified. The student is not permitted to register for further coursework at the University without readmission. A student on Academic Disqualification wishing to return to La Sierra must show evidence of academic improvement by taking at least 24 quarter units of transferable college coursework from another institution of higher learning, earning a C (2.00) or better in each course making up the 24 units, raising his/her cumulative grade point average to 2.00 or above, and completing any pre-foundational requirements in English and/or mathematics. A student who has fulfilled the expectations above may reapply for readmission through the Records Office. Non-degree status at La Sierra University is not available during this time of disqualification. A student who is Academically Disqualified for a second time will not be readmitted to the university.

Bulletin of Graduation

Students who are enrolled continuously in the University for successive years may choose to meet the requirements for graduation listed in the bulletin of the year of their entrance or any subsequent year. If a student discontinues enrollment for one calendar year, residency has been broken and the requirements listed in the bulletin of the year of re-entrance or any subsequent year must be met.

Change of Grade

A grade may not be changed by the instructor except when an error has been made in arriving at or recording a grade. Such changes are acceptable up to the end of the following term and are processed by the instructor submitting a change of grade form to the Records Office.

Any exception to this policy must have the signed approval of the chair and/or program director, Dean, and Provost before any change is made. The Provost must, in writing, notify the course instructor of the change of grade with the reasons necessitating the change.
Courses Taken Off-Campus

Students wishing to take a course at another school (including correspondence coursework) after having enrolled at La Sierra University must receive approval before the course is taken in order to establish acceptance of the course. Forms for this purpose are available in the Records Office.

Division of Continuing Studies

Students needing to discontinue enrollment for longer than one calendar year must submit a request in writing to the program director. If approved by the program director and appropriate administrator, the student will be allowed to continue residency for the stated period.

Final Examinations

A four-day examination schedule allowing a two-hour period for each class is printed in the schedule of classes. Students are required to take the scheduled final examination at the appointed time and place in order to secure credit. Examinations may not be taken before or after the scheduled period, nor may the time of an examination be changed without authorization by the dean of the school of the student’s enrollment.

All classes meet at the time scheduled for the final examination. If the time is not needed for an examination, it is to be used for some other educationally appropriate class activity. Exceptions to the examination schedule are granted only for emergency situations. Students with examinations covering more than 12 units on one day may petition the dean of the school of the student’s enrollment to take one examination at another time during the examination week.

Grade Point Average

An undergraduate student must maintain a GPA of C (2.00) or higher; a student whose grades fall below this level is placed on academic probation. To be eligible for teaching credential recommendation, the student must maintain a grade point average of 2.75 or higher. Courses with a grade below C (2.00) do not fulfill undergraduate major or cognate requirements.

Grade Reports

Under the Buckley amendment of the Family Educational Rights and Privacy Act (1974), students have full rights of privacy with regard to their academic records, including their grade reports. The University will send a copy of the student’s grade report to the parents upon the student’s release or copies will be sent upon request to those qualifying under the Buckley amendment.

Honor Lists

A Dean’s Academic Honor List is published for each quarter of the school year (but not for the summer session) by each school for the purpose of recognizing undergraduate students who have done outstanding academic work during the quarter. The Dean’s Academic Honor List contains the names of all students who are in regular standing and who have completed at least 15 GPA units of coursework with a grade point average of 3.5, with no grade lower than a B-, with no Incomplete notation on the grade report. Students not wishing to have their names so published should make the request in writing at the Records Office.

A Dean’s Letter of Recognition is sent to those students who are eligible for the Dean’s Academic Honor List and have earned a grade point average of 4.00.

A President’s Letter of Recognition is sent to those students who have been on the Dean’s Academic Honor List for the three consecutive quarters (autumn, winter, spring) of the same school year and have maintained a grade point average for those three quarters of 4.00.

Multiple Degrees, Majors, and Minors

A student may simultaneously earn more than one degree at one level in the same school of the University, provided all requirements for the degrees are met.

If there are overlapping requirements between the two majors, 20 units are required that are in one of the majors but not in the other or a combination of 30 units that are mutually exclusive between them. If there are overlapping requirements between a major and a different minor, or between two minors (e.g., Computing and Mathematics), 12 units not used in the major are required as part of the minor, or 12 units are required in one of the minors that are not used in the other minor.

Recording a Class

The recording of class lectures, discussions, or activities, by tape, digital, or any other electronic means, is expressly prohibited. In order to allow for freedom of discussion and the open exploration of ideas and concepts, faculty members and students need to be assured that their questions and comments will not be repeated outside of the learning environment.

If, due to the need to miss one or more class sessions or due to a verified disability, a student believes that it is important to record a class session, written permission must be obtained from the professor prior to recording. Any such recordings must be for the sole use of the student who was given permission and must be destroyed within a reasonable time.

Because classes are not open to the general public, posting of any recording of a class lecture, discussion, or activity is expressly forbidden by California law unless permission is granted by every individual who is attending the class.

Repeating a Course

When a student repeats a course at La Sierra University or any other approved institution, both the original and repeat grades become a part of the student’s permanent file, but only the
repeat grade and credit units are computed in the cumulative
grade point average and included in the total units earned.
In order to assure that the GPA reflects the new situation, the
student must check with the Records Office.

To assure course comparability, the Records Office, in
consultation with the chair of the La Sierra University
department offering the repeated course, approves all transfer
courses allowed to be used to repeat a course taken at La Sierra
University in which a student received a grade below C (2.00).
Unless the student obtains approval prior to enrollment, it is
not guaranteed the course will replace the repeated course.

Transcripts

The La Sierra University transcript is the official copy of the
student’s academic record and includes only all courses
attempted and grades earned at the University. The transcript
will reflect degree or non-degree status for each quarter’s
entry. A transcript of transfer credit is maintained and is
intended for internal use only.
Classification of Courses

Numbering of Courses

The course number indicates the comparative level of difficulty and the type of credit carried as well as the class standing of the students for which the course is designed:

<table>
<thead>
<tr>
<th>Number Range</th>
<th>Classification</th>
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<tbody>
<tr>
<td>101-299</td>
<td>Lower division (Freshman/Sophomore)</td>
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<tr>
<td>300-499</td>
<td>Upper division (Junior/Senior) (Limited Application to MA, by special permission)</td>
</tr>
<tr>
<td>501-699</td>
<td>Graduate</td>
</tr>
<tr>
<td>700-799</td>
<td>Doctorate/Postdoctoral</td>
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Courses numbered below 100 and in the 800s and 900s do not offer credit toward any degree or diploma at La Sierra University.

<table>
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<tr>
<th>Number Range</th>
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<tr>
<td>001-099</td>
<td>Pre-foundational</td>
</tr>
<tr>
<td>800-899</td>
<td>Special Certificate Programs</td>
</tr>
<tr>
<td>900-999</td>
<td>Continuing and noncredit education    (Noncredit) (Prefix either begins with “LS” or ends in “CE”)</td>
</tr>
</tbody>
</table>

Courses offered in an off-campus or extended campus setting, or for an extended degree program that carry the same prefixes and numbers from 100-799 as do the regular on-campus courses, are applicable toward degree requirements.

Undergraduate courses which have numbers ending in 1, 2, and 3 are generally sequential and need to be taken in order.

Units of Credit

Credit is granted in terms of the quarter unit, which represents a minimum of 10 hours of university-level instruction during a quarter plus a reasonable period of time outside of instruction (the requirement is 100 minutes of preparation/homework for every 50 minutes of class) in preparation for planned learning experiences (such as the requisite study, preparation for instruction, study of course material and practices); or a minimum of 25-30 laboratory hours or its equivalent in pre- and/or post-laboratory studies. One hour of class time is defined as 50 minutes of actual class time not counting breaks. A break is expected for any class period longer than 100 minutes.

Continuing Education Units

Courses with the prefixes: ASCE (College of Arts and Sciences Continuing Education), or BMCE (Zapara School of Business Continuing Education), or ELCE (English as a Second Language Continuing Education), or SECE (School of Education Continuing Education), or SRCE (Divinity School Continuing Education), followed by a number in the 900s, offer continuing education units (CEU).

One CEU is awarded for ten contact hours of participation; hours less than ten are shown as tenths of CEUs. The CEU is a means for measuring and recording noncredit, postsecondary-level study. Courses carrying CEUs may be useful when employers or relicensure agencies require a specific number of hours of instruction for career advancement purposes, and when noncredit study is acceptable.

Note: Continuing education units, contact hours or clock hours cannot be converted at any time into academic units to be used toward any degree or diploma at La Sierra University.

Additional Information

The prefixes LSCA, LSLV, LSSM, and LSVS designate various areas of non-traditional enrollment with the University. LSCA acts as a “holding” status by showing, until the courses have been completed and complete information is available, that enrollment exists. Credit, if any, may be indicated in clock hours.

Prefixes and Areas of Instruction

The four-letter prefix preceding each course number is an abbreviation of the subject area in which the course is found. Following is a list of codes referred to in this bulletin, the subject area for which the code stands, the department or program in which the subject is taught, and the school in which the department or program is located. For convenient reference, the areas of instruction are listed alphabetically by code.
<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Department/Program</th>
<th>School</th>
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<td>Accounting</td>
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<td>ZSB</td>
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<tr>
<td>ANTH</td>
<td>Anthropology</td>
<td>History, Politics, &amp; Society</td>
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<td>ARAB</td>
<td>Arabic</td>
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<td>ARTA</td>
<td>Art Appreciation/History</td>
<td>Art</td>
<td>CAS</td>
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<td>ARTS</td>
<td>Studio Art</td>
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<td>ARTX</td>
<td>Professional Studies in Art</td>
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<td>CFSC</td>
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<td>Chemistry and Biochemistry</td>
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<td>COMM</td>
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<td>English and Communication</td>
<td>CAS</td>
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<tr>
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<td>Mathematics and Computer Science</td>
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**Key**

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<tr>
<th>Code</th>
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<td>CAS</td>
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<td>School of Education</td>
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University Studies

Program Faculty

Elvin S. Rodriguez, Director
Professor of Music (1998)
EdD Teachers College of Columbia University 1991
Piano, music technology

Kent Bramlett
Assistant Professor of Archaeology and History of Antiquity (2010)
PhD University of Toronto 2009
Biblical Languages, near eastern archaeology, history of antiquity

Melissa Brotton
Director of College Writing
Assistant Professor of English (2007)
PhD University of North Dakota, Grand Forks 2004
18th & 19th century British literature, Elizabeth Barrett Browning, Milton

John Carter
Assistant Professor of Music (2011)
M.M. University of California, Los Angeles 2004
Orchestral Conducting

Gary Chartier
Associate Dean, Zapara School of Business
Associate Professor of Law and Business Ethics (2001)
JD University of California at Los Angeles 2001
PhD University of Cambridge 1991
Theology, philosophy, ethics, political theory, public policy, law and legal theory

Douglas R. Clark
Associate Dean, H.M.S. Richards Divinity School
Professor of Biblical Studies and Archaeology (2007)
PhD Vanderbilt University 1984
Biblical languages, old testament, archaeology

Wilton E. Clarke
Professor of Mathematics (1986)
PhD University of Iowa 1975
Topology, Algebra, Mathematics Education

Ken Crane
Assistant Professor of Sociology and Anthropology (2008)
PhD Michigan State University 2000
MPA Monterey Institute of International Studies 1986
Transnationalism, international migration, family and ethnic socialization

Lolita N. Davidson
Associate Professor of Curriculum and Instruction (2006)
EdD Loma Linda University 1991
Curriculum and instruction

Jeffrey N. Dupée
Professor of History (1991)
PhD Claremont Graduate University 2001
JD Peninsula University 1988
European history, British colonialism, modern china, legal studies

V. Bailey Gillespie
Professor of Theology and Christian Personality (1970)
PhD Claremont Graduate University 1973
Theology, christian nurture, ministry

Lora Geriguis
Assistant Professor of English (2007)
PhD University of California, Riverside 1997
17th & 18th Century British literature, colonialism, post-coloniality, literary criticism

Kendra Haloviak-Valentine
Associate Professor of New Testament Studies (2001)
PhD Graduate Theological Union 2002
New testament studies, biblical languages

Ginger Hanks Harwood
Associate Professor of Religious and Theological Studies (1997)
PhD Iliff School of Theology, University of Denver 1991
Social ethics, theology, history of Christianity

Andrew C. Howe
Assistant Professor of History (2005)
PhD University of California, Riverside 2005
American history and civilization, culture studies & film studies

Enoch O. Hwang
Professor of Computer Science (1988, 1999)
PhD University of California, Riverside 1999
Databases, Networking, and Hardware

Maury D. Jackson
Assistant Professor of Pastoral Ministry (2009)
DMin Claremont School of Theology
Pastoral ministry, Ethics, Philosophy
John R. Jones  
Associate Professor of New Testament Studies and World Religions (1990)  
PhD Vanderbilt University 1982  
Biblical languages and background, scriptural interpretation and theology, phenomenology of religions

Wonil Kim  
Associate Professor of Old Testament Studies (1994)  
PhD Claremont Graduate University 1996  
Exegesis, Theology, and Hermeneutics of the Old Testament

Lisa Kohlmeier  
Assistant Professor of History (2005)  
MA, PhD program, Claremont Graduate University  
American history, women’s intellectual & cultural history, gender studies

Suzanne Mallery  
Associate Professor of Psychology (2001)  
PhD Fuller Theological Seminary 1998  
Clinical psychology, pediatric psychology

Leslie R. Martin  
Professor of Psychology (1996)  
PhD University of California, Riverside 1996  
Personality and social psychology, health psychology

Sam McBride  
Associate Professor of English (2007)  
PhD University of California, Riverside 1997  
Twentieth century literature and fine arts, literary criticism, the inklings

Beatriz Mejia-Krumbein  
Professor of Art (1997)  
MFA James Madison University 1996  
Painting, drawing, contemporary art

Krista Motschiedler  
Assistant Professor of Chemistry (2002)  
PhD University of California, Los Angeles 2000  
Physical organic chemistry

Cindy J. Parkhurst  
Associate Professor of Criminal Justice (2011)  
MLIS San Jose State University 1994  
JD Willamette University 1988  
Information technology, copyright

Susan D. Patt  
Associate Professor of Art (1979)  
MEd Miami University 1976  
Textiles and fibers, drawing, book arts, art appreciation

John Perumal  
Professor of Biology (2002)  
PhD University of Western Ontario 1994  
Environmental science, botany, ecology

René M. Ramos  
Associate Professor of Music (1983)  
PhD Indiana University 1997  
Musicology, theory

Adeny Schmidt  
Professor of Psychology (1974)  
PhD University of California, Los Angeles 1986  
Developmental psychology, research methodology

Kimo Smith  
Associate Professor of Music (1990)  
DMA University of California, Los Angeles 1997  
Piano, organ, theory

Charles Teel, Jr.  
Professor of Religion and Society (1967)  
PhD Boston University 1972  
Religion and society, Christian ethics

Robert K. Thomas  
Associate Professor of Health & Exercise Science (2001)  
EdD Boston University 2007  
Exercise physiology, sociology of sport

Donald W. Thurber  
Professor of Music (1975)  
PhD University of North Texas 1976  
Music education, church music

James R. Wilson  
Professor of Biology (1991)  
PhD University of Cincinnati 1976

**Collaborating Faculty**

David Brennan  
DMA University of California, Los Angeles 2004  
Saxophone, chamber music

Claudette Goux  
MA University of California, Riverside 2005  
Art history

Joel Haldeman  
BA Loma Linda University, Riverside 1977  
Athletics, administration

Steve Hemenway  
Assistant Campus Chaplain  
MA La Sierra University 2004
La Sierra University offers its students a general education curriculum rooted in the concept of liberal education as a formative and transformative process, one that provides students with a permanent foundation for learning through the development of basic human capacities. The University believes that education should go beyond human exposure to disciplines, the accumulation of facts, or even just curricular matters. Instead, education should also encompass such things as the ability to imagine and create, to think and reason analytically, to solve problems, to integrate and synthesize complex information, to use language clearly and persuasively, and to make responsible choices.

At La Sierra University, general education distinctively deals with nothing less than our common humanity -- those essential capacities and qualities that enable us to participate effectively and responsibly in a variety of shared intellectual, social, and moral contexts -- and contributes to the creation of a recognizable “La Sierra graduate.” Only then can the University fulfill its goal to mold citizens fitted with “recognized excellence, integrity, and compassion.”

As the centerpiece of this distinctive approach to general education, the University has developed an integrated curriculum that stimulates the meaning-centered development of its students; familiarizes them with the various academic disciplines; exposes them to intercultural, international, and interethic concerns; and encourages them to recognize the importance of individually developing a value system that will allow them to distinguish between right and wrong. As part of the general studies program, students have the opportunity to engage in community service activities related to their major disciplines. Only then can they come to realize that civic, political, and religious responsibility is not only the clearest evidence of moral commitment but also essential to the survival of a democratic society. The University Studies program includes coursework in the various fields of academic learning, which include the humanities, fine arts, natural sciences and mathematics, social sciences, and religion.

Additionally, La Sierra University is committed to testable levels of competency in the fundamental skills necessary for a productive life. These include demonstrated proficiency in English language composition, the successful completion of minimum requirements in the language and skills of mathematics, demonstrated proficiency in a non-English language, and an established understanding of the principles of personal health and fitness and of their relationship to public health.

Student Learning Outcomes of the University Studies Program

Personal development and educational habits of mind are over-arching goals in the Learning Outcomes of the University Studies program. At the completion of the university experience, the student will have encountered challenging programming in the enriched environment of integrative learning. University Studies includes Foundational Studies, integrated theme units, as well as a selection of breadth classes from within the various disciplines.

University Studies’ thematic and team-taught units provide students with opportunities for developing constructive relationships with teachers while also allowing them to experience interdisciplinary teaching. The integrated theme classes provide appropriate application, integration, and transference of knowledge as well as the opportunity for creative self-expression.

1. Students will be able to acquire competencies essential for informed inquiry in Religious Studies, Fine Arts and Aesthetics, Mathematics, English, Languages, Healthful Living, Humanities, Social Sciences, & Natural Sciences.
2. Students will be able to use proper rhetorical skills to persuade and inform.
3. Students will be able to analyze, synthesize, and evaluate their own and other’s ideas and concepts.
4. Students will be able to develop a self-awareness and take responsibility for their actions.
5. Students will be able to develop a global perspective of diversity and will value and function effectively within a multi-dimensionally diverse society.
6. Students will be able to develop personal integrity, moral judgment, and religious beliefs as they define their worldviews and academic goals.
7. Students will engage in Service-Learning and develop commitment to ongoing service within their community.
8. Students will be able to function effectively with others working toward a common goal while recognizing and integrating individual contributions.

Service-Learning

Service-Learning incorporates community-based volunteer service into academic instruction. It is driven by the learning objectives of the course and, at the same time, responds to real needs of community organizations. In support of La Sierra University's mission, “To Seek, To Know, To Serve,” all students must complete, as part of the university studies requirements (see below), three courses that integrate Service-Learning into the curriculum.

Service-Learning courses can be found by searching in the University Studies pull-down menu of the Online Course Schedule and are identified by S1R (Service-Learning Required) or S1O (Service-Learning Optional). When a class offers Service-Learning as an option, students wishing to participate will register for S1R on the first day of that class. Additional information can be found on the Service-Learning website: http://www.lasierra.edu/service.

Interdisciplinary Courses

Students must complete UNST 101 during their freshman year, and are encouraged to complete one course in each of the following interdisciplinary subjects: freshman year, SSCI; sophomore year, HUMN; junior year, RLGN; and senior year, NSCI and UNST 404. All of these courses include attention to the goals and techniques of information literacy: identifying what information is needed and then locating, evaluating, synthesizing, and applying it. Oral and written communication is a teaching and learning tool throughout the interdisciplinary curriculum. Courses at the 200 level and above have a significant writing component intended to further develop the student’s research and composition skills.

Transfer Students

A transfer student who qualifies, at minimum, for sophomore standing (44 units) and has completed 8 units that fulfill Theme IA or Theme IB requirements at the time s/he is admitted to La Sierra University may waive the Theme IC interdisciplinary course requirement. Students missing units from Theme I (8 units) will be required to take an SSCI class for Theme I. A transfer student who qualifies, at minimum, for junior standing (88 units) and has completed 12 units that fulfill Theme IIA or Theme IIB requirements at the time s/he is admitted to La Sierra University may waive the Theme IIC interdisciplinary course requirement. Students missing units from Theme II (12 units) will be required to take a HUMN class for Theme II. Juniors and seniors must complete either RLGN 304 or 305 and four additional units which must be in Theme IICC.

For Students Seeking a Second Degree from La Sierra University

La Sierra University graduates who want to return to La Sierra for a second major will have General Education requirements met by grandfathering regarding their post-baccalaureate degree and students must meet the major requirements. To be consistent in the treatment of any incoming student and also to be true to La Sierra University's mission and goals, any student coming from any institution other than La Sierra for a post-baccalaureate second degree will be required to take one service learning class, RLGN, NSCI, and UNST 404.

Intersegmental General Education Transfer Curriculum Policy

The Intersegmental General Education Transfer Curriculum (IGETC) is a series of courses, offered through the California community college system, that transfer students may complete as a way to satisfy the lower-division breadth/general education requirements at La Sierra University. Completion of the IGETC must be certified by a community college counselor and submitted to La Sierra with the student’s final transcript before the first term of enrollment.

IGETC Curriculum

**Area 1: English Communication** *(6 semester units minimum)*
- 1A English Composition
- 1B Critical Thinking-English Composition

**Area 2: Mathematics/Quantitative Reasoning** *(3 semester units minimum)*
- 3 semester units

**Area 3: Arts and Humanities** *(9 semester units minimum)*
- 3A Arts (at least one course)
- 3B Humanities (at least one course)

**Area 4: Social and Behavioral Sciences** *(9 semester units minimum)*
- At least 2 disciplines

**Area 5: Physical and Biological Sciences** *(7 semester units minimum)*
- 5A Physical Science (at least one course)
- 5B Life Science (at least one course)
- Laboratory Activity with 5A or 5B course

**Area 6: Language Other Than English** *(Minimum 8-10 semester units)*
- Minimum 2 consecutive semesters

Note: Physical fitness class must have Lifetime Fitness as a major component (minimum one semester)
La Sierra, University Studies
Requirements

I. Rhetoric
   A. Three consecutive quarters of College Writing
      (ENGL 111, 112, 113)
   B. Upper division rhetoric class(es)

II. Mathematics/Quantitative Reasoning
   A. One college math course (4 quarter units)
      MATH 115 Applications of Math
      OR
      MATH 121 College Algebra
      OR
      MATH 155 Introductory Statistics
      OR
      CPTG 117 Problem Solving Using Computer Programming

III. Culture and Context
   A. History & Appreciation of Visual or Performing Arts
      (4 quarter units)
   B. Historical or Contemporary Culture and Context
      (4 quarter units)

IV. Identity, Citizenship, and Globalization
   A. At least two disciplines (8 quarter units)

V. Religious Beliefs and Practices

VI. Scientific Inquiry
   A. Life Science (4 quarter units)*
   B. Physical Science (4 quarter units)*
      Must include one lab class from either A or B.*

VII. World Languages
   A. Three consecutive quarters of college language
      through LANG 133 or appropriate score on
      language placement exam

VIII. Health and Fitness
   A. Lifetime Health and Fitness (2 quarter units)

* IGETC areas and equivalents evaluate all transfer
transcripts for students not completing the IGCT Certificate
Program.

See University Honors Program section of this bulletin for
specific requirements in that area.

University Studies 84 units total

Foundational Studies (19-28 units)

The Foundational Studies curriculum provides the
competencies, basic skills, and knowledge necessary for
success within the student’s discipline and as a broadly
trained citizen of the world.

A student must receive a grade of C or better in order for a
class to count as a prerequisite for another course and for
the class to count towards fulfilling the Foundational Studies
requirement. This applies to both individual and sequenced
classes unless otherwise specified.

Foundational requirements, other than upper division
argumentation and inquiry requirements, must be completed
before a student’s senior contract can be approved.

I. UNST 101 First Year Seminar (2 units)

Designed for first-year students and those with fewer than 24
university-level units, this seminar introduces the student to
the University Studies program, basic study and social skills
necessary for success at La Sierra University.

II. Rhetorical Skills (4-13 units)

Rhetorical skills focus on writing, speaking, and critical-
thinking abilities. The foundational skills emphasized in this
section will be reinforced in each discipline with a discipline—
specific, rhetoric-intensive course.

A. Freshman Rhetoric (4-9 units)

Students complete either option 1 or 2.

Option 1:

Three courses focusing on writing, speaking, and critical
thinking. Taught and administered by the Department of
English and Communication. Students must receive a
minimum grade of C in each course to be permitted to go
on to the next course in the Sequence.

ENGL 111 College Writing (3)
ENGL 112 College Writing (3)
ENGL 113 College Writing (3)

Option 2

Qualifying students may complete:
ENGL 124 Freshman Seminar in Writing (4)
**B. Upper Division Rhetoric**

Students complete either option 1 or 2.

**Option 1:**

Upper division course(s) in the major focusing on advanced critical thinking, speaking and writing skills needed for success within the student’s discipline. (Courses are listed in the following columns, beginning with Art and ending with World Languages.)

<table>
<thead>
<tr>
<th>Art</th>
<th>Choice of:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTA 408A</td>
<td>Topics in Art History: Contemporary Art (4) -OR-</td>
</tr>
<tr>
<td>ARTA 408B</td>
<td>History of Graphic Design (4)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Biology</th>
<th>Must complete all of the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 301L</td>
<td>Cell and Molecular Biology Projects Laboratory (1)</td>
</tr>
<tr>
<td>BIOL 302L</td>
<td>Genetics Projects Laboratory (1)</td>
</tr>
<tr>
<td>BIOL 303L</td>
<td>Developmental Biology Projects Laboratory (1)</td>
</tr>
<tr>
<td>BIOL 405</td>
<td>Biology Seminar (1)</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Biomathematics</th>
<th>Choice of:</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 461</td>
<td>Biomathematical Modeling I (4) -OR-</td>
</tr>
<tr>
<td>MATH 462</td>
<td>Biomathematical Modeling II (4)</td>
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<table>
<thead>
<tr>
<th>Biophysics</th>
<th>Must complete:</th>
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<tbody>
<tr>
<td>PHYS 326</td>
<td>Human Body Mechanics (4)</td>
</tr>
<tr>
<td>PHYS 336</td>
<td>Physics of Biomaterials (4)</td>
</tr>
<tr>
<td>PHYS 386</td>
<td>Biophysics Seminar (1)</td>
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<td>PHYS 389</td>
<td>Rhetorical Experiences in Physics (0)</td>
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<th>Business</th>
<th>MGMT 375</th>
<th>Managerial Communication (4)</th>
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<tr>
<th>Chemistry &amp; Biochemistry</th>
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<tbody>
<tr>
<td>CHEM 405</td>
<td>Senior Seminar (1)</td>
</tr>
<tr>
<td>CHEM 408</td>
<td>Introduction to Research (2)</td>
</tr>
</tbody>
</table>

*Plus, choice of:*

| CHEM 424 | Instrumental Analysis I (3) -OR- |
| CHEM 425 | Instrumental Analysis II (3) -OR- |
| CHEM 426 | Instrumental Analysis III (3) |

<table>
<thead>
<tr>
<th>Communication</th>
<th>Choice of:</th>
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<tbody>
<tr>
<td>COMM 365</td>
<td>Organizational Communication (4) -OR-</td>
</tr>
<tr>
<td>COMM 488</td>
<td>Communication Theory II (4) -OR-</td>
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<tr>
<td>COMM 490</td>
<td>Communication Research Design (4)</td>
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<table>
<thead>
<tr>
<th>Computer Science and Information Systems</th>
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<tbody>
<tr>
<td>Choice of:</td>
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<tr>
<td>CPTG 334</td>
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<td>CPTG 455</td>
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<thead>
<tr>
<th>English</th>
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<tbody>
<tr>
<td>Choice of:</td>
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<tr>
<td>COMM 304</td>
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<tr>
<td>ENGL 304</td>
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<tr>
<th>Health &amp; Exercise Science</th>
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<tbody>
<tr>
<td>Choice of:</td>
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<tr>
<td>EXSC 418C</td>
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<td>EXSC 427</td>
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<thead>
<tr>
<th>History, Politics, &amp; Society</th>
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<tbody>
<tr>
<td>Must complete:</td>
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<tr>
<td>HPSC 497</td>
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<td>HPSC 498</td>
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<table>
<thead>
<tr>
<th>Mathematics</th>
<th>Must complete:</th>
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<tbody>
<tr>
<td>MATH 415</td>
<td>Sets and Number Systems (4)</td>
</tr>
<tr>
<td>MATH 431</td>
<td>Analysis I (4)</td>
</tr>
<tr>
<td>MATH 432</td>
<td>Analysis II (4)</td>
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<table>
<thead>
<tr>
<th>Psychology and Neuroscience</th>
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<tbody>
<tr>
<td>PSYC 323</td>
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<th>Religion</th>
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<tr>
<td>Must complete:</td>
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<tr>
<td>RELE 457</td>
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<td>RELT 436</td>
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<thead>
<tr>
<th>Social Work</th>
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<tbody>
<tr>
<td>SOWK 317</td>
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<table>
<thead>
<tr>
<th>World Languages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choice of:</td>
</tr>
<tr>
<td>SPAN 347</td>
</tr>
<tr>
<td>SPAN 348</td>
</tr>
</tbody>
</table>
Program in University Studies

Option 2: Argumentation and Inquiry (4)
Junior level course focusing on critical thinking, speaking, and writing. Taught and administered by the department of English and Communication. Students have the choice of:

COMM 304 Advanced Expository Writing (4)
ENGL 304 Advanced Expository Writing (4)

III. Mathematics (4 units)
Foundational mathematics focuses on problem solving, symbolic manipulation, and abstraction. Students will learn to interpret problems symbolically, solve them using a variety of mathematical and computational methods, and draw appropriate conclusions from their solutions.

CPTG 117 Problem Solving Using Computer Programming (4)
MATH 115 Applications of Mathematics (4)
MATH 121 College Algebra (4)
MATH 155 Introductory Statistics (4)

IV. World Language (4 units)
Three consecutive quarters of the same college, non-English language through level 153 or achieve the appropriate score on the language placement exam. Students may complete the required sequence of course work offered through the Department of World Languages, or, four quarters of Greek or the Hebrew sequence offered through the School of Religion.

Courses in American Sign Language may be used to meet this requirement. Certification from an appropriate body or an equivalent number of transfer credits is required.

V. Health and Fitness (2 units)

HLSC 120 Lifetime Fitness

General Studies
(52 units, 20 upper-division)
Through four thematic areas and a senior capstone course, the General Studies curriculum provides broad disciplinary and interdisciplinary knowledge necessary for personal and communal success in a complex world.

A maximum of four units from the required courses of the student’s major and up to eight units from the required cognates of the student’s major can be applied to General Studies. Liberal Studies majors, individual majors (CAS), and customized majors (ZSB) may apply up to 12 units from the major to the University Studies requirements.

I. Identity, Citizenship, socialization, and Globalization (8 units)
Identity, Citizenship, and Globalization focuses on issues of the development of individual and group identity, issues of citizenship in the contemporary world, and the ways globalization is changing both identity and the meaning and practice of citizenship.

A. Understanding Human Beings (0-4 units)
Analysis of human behavior, especially as influenced by society and culture.

COMM 244 Interpersonal Communication
COMM 344 Gender and Communication
ECON 254 Principles of Macroeconomics
ECON 255 Principles of Microeconomics
HIST 273 Gender, Family, & Society in the Modern World
HIST 430D Women and Men in American Society
HLSC 414 Mental Health and Substance Dependency
MKTG 305 Marketing Principles
MKTG 365 Marketing Research
PSYC 104 General Psychology
PSYC 234 Developmental Psychology (SL)
PSYC 251 Social Psychology
PSYC 314 Psychology of Gender
PSYC 344 Personality
RELE 455 Christian Understanding of Sexuality
RELE 457 Religion and Gender
RELG 235 Introduction to Religious Studies
RELT 464 Religious Development and Moral Learning
SOCI 104 General Sociology
SOCI 314 Sociology of Love and Marriage
SOWK 104 Introduction to Social Services (SL)
### B. Humans as Thoughtful Global Citizens (0-4 units)
Understanding how individuals relate to their community and the world from a social-science reference.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ECON 357</td>
<td>International Economics and Business</td>
</tr>
<tr>
<td>ECON 366</td>
<td>Economic Development in Emerging Markets</td>
</tr>
<tr>
<td>ECON 392</td>
<td>Essentials in Game Theory</td>
</tr>
<tr>
<td>FNCE 354</td>
<td>Managerial Finance</td>
</tr>
<tr>
<td>FNCE 364</td>
<td>Financial Markets and Institutions</td>
</tr>
<tr>
<td>FNCE 487</td>
<td>International Finance</td>
</tr>
<tr>
<td>GEOG 276</td>
<td>Physical and Human Geography</td>
</tr>
<tr>
<td>HIST 432F</td>
<td>British Colonialism in Asia</td>
</tr>
<tr>
<td>HIST 440C</td>
<td>Inter-American Relations</td>
</tr>
<tr>
<td>HIST 440F</td>
<td>War Crimes and International Policy</td>
</tr>
<tr>
<td>HLSC 214</td>
<td>Dimensions of Health</td>
</tr>
<tr>
<td>HLSC 317</td>
<td>Health, Society, and the Consumer</td>
</tr>
<tr>
<td>HLSC 476</td>
<td>Health and the Global Environment</td>
</tr>
<tr>
<td>HPSC 104</td>
<td>Migrations, Encounters and State Formation</td>
</tr>
<tr>
<td>HPSC 106</td>
<td>Race, Ethnicity, and Class in American History</td>
</tr>
<tr>
<td>MGMT 367</td>
<td>Concepts and Issues in Social Entrepreneurship</td>
</tr>
<tr>
<td>MGMT 381</td>
<td>Business Law I</td>
</tr>
<tr>
<td>MGMT 382</td>
<td>Business Law II</td>
</tr>
<tr>
<td>MGMT 486</td>
<td>International Environment and Management</td>
</tr>
<tr>
<td>MKTG 487</td>
<td>International Marketing</td>
</tr>
<tr>
<td>PLSC 316</td>
<td>Comparative Government</td>
</tr>
<tr>
<td>PLSC 440D</td>
<td>Problems in International Relations</td>
</tr>
<tr>
<td>PSYC 488E</td>
<td>Political Psychology</td>
</tr>
<tr>
<td>RELE 447</td>
<td>Religion and Society</td>
</tr>
<tr>
<td>SOWK 405</td>
<td>Social Welfare Policy</td>
</tr>
</tbody>
</table>

### C. Globalization, Identity, and Citizenship (4 units)
Interdisciplinary courses focusing on citizenship and identity in a multicultural and global context.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>SSCI 104</td>
<td>Growing up in America (SL)</td>
</tr>
<tr>
<td>SSCI 105</td>
<td>Identity and Society (SL)</td>
</tr>
<tr>
<td>SSCI 106</td>
<td>Childhood in Global Perspective</td>
</tr>
<tr>
<td>SSCI 107</td>
<td>Gender and Law in Contemporary Society</td>
</tr>
</tbody>
</table>

### II. Culture and Context (12 Units)
Culture and Context focuses on cultural production and cultural life both in the United States and globally. It encourages students to understand cultural production within its historical, social and economic context. Must include one course from Theme IIA and IIB.

#### A. History and Appreciation of Visual and Performing Arts (4 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ARTA 205</td>
<td>The Language of Art</td>
</tr>
<tr>
<td>ARTA 308</td>
<td>Art History: Ancient to Renaissance</td>
</tr>
<tr>
<td>ARTA 309</td>
<td>Art History: Baroque to Modern</td>
</tr>
<tr>
<td>ARTA 408</td>
<td>Topics in Art History</td>
</tr>
<tr>
<td>DRAM 246E</td>
<td>Introduction to Acting (cross-listed as COMM 246E/ENGL246E)</td>
</tr>
<tr>
<td>DRAM 496</td>
<td>History and Theory of Drama (cross-listed as ENGL 496)</td>
</tr>
<tr>
<td>MUHL 205</td>
<td>Introduction to Music</td>
</tr>
<tr>
<td>MUHL 338</td>
<td>Music of Non-Western Cultures</td>
</tr>
<tr>
<td>MUHL 339</td>
<td>Contemporary Popular Styles in Music</td>
</tr>
</tbody>
</table>

#### B. Historical or Contemporary Culture and Context (4 units)
Study of culture within history, literature, cultural studies, or philosophy.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 170</td>
<td>Experience Communication</td>
</tr>
<tr>
<td>COMM 226</td>
<td>Mass Media in Society</td>
</tr>
<tr>
<td>COMM 264B</td>
<td>Living in the Information Age</td>
</tr>
<tr>
<td>ENGL 150</td>
<td>Themes in Literature</td>
</tr>
<tr>
<td>ENGL 211</td>
<td>Survey of British Literature I (1600-1800)</td>
</tr>
<tr>
<td>ENGL 212</td>
<td>Survey of British Literature II (1800-1890)</td>
</tr>
<tr>
<td>ENGL 213</td>
<td>Survey of British Literature III (1890-present)</td>
</tr>
<tr>
<td>ENGL 224</td>
<td>Survey of American Literature I (to 1860)</td>
</tr>
<tr>
<td>ENGL 225</td>
<td>Survey of American Literature II (1860-present)</td>
</tr>
<tr>
<td>ENGL 246G</td>
<td>Literary Forms and Ideas: Hispanic American Literature</td>
</tr>
<tr>
<td>ENGL 414</td>
<td>World Literature</td>
</tr>
<tr>
<td>ENGL 415B</td>
<td>Modern Children’s Literature</td>
</tr>
<tr>
<td>ENGL 425</td>
<td>Major American Authors or Movements (courses may vary)</td>
</tr>
<tr>
<td>ENGL 425R</td>
<td>Southwest Literature</td>
</tr>
<tr>
<td>ENGL 445</td>
<td>Biblical Literature</td>
</tr>
<tr>
<td>ENGL 458</td>
<td>Shakespeare</td>
</tr>
<tr>
<td>HIST 270A</td>
<td>History of World Cinema: Asia</td>
</tr>
<tr>
<td>HIST 270B</td>
<td>History of World Cinema: Europe</td>
</tr>
<tr>
<td>HIST 336</td>
<td>Modern America (1914 to present)</td>
</tr>
</tbody>
</table>
Program in University Studies

HIST 354 Colonial Latin America
HIST 355 Modern Latin America
HIST 430Q Asian American History
HIST 430Z Hollywood and American History
HIST 432E The Mediterranean World of Antiquity
HIST 432F British Colonialism in Asia
HIST 432R Social and Critical Movements in Film
HPSC 274 The Construction of American Political Life
EXSC 418C Movement in Cultural Perspective
PHIL 204 Introduction to Philosophy
PHIL 317 Classical and Medieval Thought
PHIL 318 Development of Modern Thought
PHIL 319 Twentieth Century Thought
PHIL 436 Philosophy of Religion (also RELT 436)
RELG 237 World Religions
REIH 445 The Story of Christianity: Formation
REIH 446 The Story of Christianity: Reformation
REIH 447 The Story of Christianity: Transformation
REIH 483 History of Seventh-day Adventism (also HIST 430N)
RELT 436 Philosophy of Religion
SOWK 205 Heritage of American Social Work
SPAN 348 Spanish-American Literature 1492-1888
SPAN 426 Spanish Civilization
SPAN 428 Spanish-American Civilization
SPAN 469 Themes: Contemporary Latin-American Literature: XXth Century

C. Exploring Culture (4 units)

Interdisciplinary courses focusing on cultural production in a multicultural context with emphasis on technological, social and economic factors in culture.

HUMN 204 Exploring American Culture Through Literature
HUMN 205 Exploring American Culture Through Visual and Performing Arts
HUMN 206 Perspectives on Modern Culture

III. Religious Beliefs and Practice

(16 Units)

Religious Beliefs and Practice focuses on the varieties of religious beliefs and practices, including a foundation in Adventism. It encourages students to make careful decisions about their own religious faith and practice.

A. Spiritual Experience and Expressions (4 units)

REIH 235 Introduction to Religious Studies
REIH 237 World Religions
REIH 267 Religious Faith and Life
RELT 464 Religious Development and Nurture
RLGN 305 The Experience of Religion in Three Cultures

B. Beliefs and Heritage (4 units)

REIH 483 History of Seventh-day Adventism
REIH 104 Introduction to Christianity
RELT 106 Introduction to Seventh-day Adventist Beliefs
RELT 245 Christian Beliefs
RELT 434 Dimensions of Salvation
RELT 453 Christian Theology
RLGN 304 Adventism in Global Perspective

C. Scripture (4 units)

REIH 104 Jesus and the Gospels
REIH 206 Sacred Texts: The Old Testament
REIH 207 Sacred Texts: The New Testament
REIH 309 Readings in Scripture
REIH 424 Old Testament Prophets
REIH 445 Old Testament Biblical Archaeology
REIH 446 New Testament Biblical Archaeology

D. Religion and Society (4 units)

REIH 205 Biblical Ethics in the Modern World
REIH 447 Religion and Society
REIH 455 Christian Understanding of Sexuality
REIH 459 Issues in Religious Ethics

Every student must take RLGN 304 or RLGN 305 and 12 additional units, 4 of which must be Theme III. For students enrolled in the religious studies majors and/or students completing the pre-seminary program who fulfill all sections of Theme III with required courses from the major will be deemed to have met the requirements for Theme III by completing a 4-unit course from the religious students major, an RLGN class, and 8 additional units of approved University Studies courses in any of the theme areas.
IV. Scientific Inquiry (12 units)

Scientific Inquiry exposes students to laboratory science, the relationship between science and society, and the philosophical foundations of scientific inquiry. It allows students to engage in the practice of science while encouraging them to think about the role of science in society and science’s potential and limitations in creating usable knowledge.

**Must include one lab course from either A or B.**

**A. Life Science (4 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>BIOL 111, 111L</td>
<td>General Biology I, with laboratory</td>
</tr>
<tr>
<td>BIOL 112, 112L</td>
<td>General Biology II, with laboratory</td>
</tr>
<tr>
<td>BIOL 113, 113L</td>
<td>General Biology III, with laboratory</td>
</tr>
<tr>
<td>BIOL 107</td>
<td>Human Biology</td>
</tr>
<tr>
<td>BIOL 131, 131L</td>
<td>Human Anatomy and Physiology I, with laboratory</td>
</tr>
<tr>
<td>BIOL 327</td>
<td>Survey of Biological Principles</td>
</tr>
<tr>
<td>CHEM 103, 103L</td>
<td>Introductory Biochemistry, with laboratory</td>
</tr>
<tr>
<td>CHEM 273, 273L</td>
<td>Organic Chemistry III, with laboratory</td>
</tr>
<tr>
<td>HLSC 225</td>
<td>Nutrition Theory and Practice</td>
</tr>
</tbody>
</table>

**B. Physical Science (4 units)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 102, 102L</td>
<td>Introductory Organic Chemistry, with laboratory</td>
</tr>
<tr>
<td>CHEM 111, 111L</td>
<td>General Chemistry I, with laboratory</td>
</tr>
<tr>
<td>CHEM 112, 112L</td>
<td>General Chemistry II, with laboratory</td>
</tr>
<tr>
<td>CHEM 113, 113L</td>
<td>General Chemistry III, with laboratory</td>
</tr>
<tr>
<td>GEOL 314</td>
<td>Earth Science (includes laboratory)</td>
</tr>
<tr>
<td>GEOL 316</td>
<td>Earth and Space Science (includes laboratory)</td>
</tr>
<tr>
<td>PHYS 117, 117L</td>
<td>Introduction to Physics, with laboratory</td>
</tr>
<tr>
<td>PHYS 231, 231L</td>
<td>General Physics I, with laboratory</td>
</tr>
<tr>
<td>PHYS 232, 232L</td>
<td>General Physics II, with laboratory</td>
</tr>
<tr>
<td>PHYS 233, 233L</td>
<td>General Physics III, with laboratory</td>
</tr>
<tr>
<td>PHYS 304</td>
<td>Astronomy (includes laboratory)</td>
</tr>
</tbody>
</table>

**C. Scientific Foundations (4 units)**

Exploring the philosophical underpinnings of scientific practice. Upper division, interdisciplinary courses including philosophy of both the natural and the social sciences.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSCI 404</td>
<td>Humans and the Environment</td>
</tr>
<tr>
<td>NSCI 405</td>
<td>Scientific Thinking and Religious Belief</td>
</tr>
<tr>
<td>NSCI 406</td>
<td>Nature and Human Values (SL)</td>
</tr>
<tr>
<td>NSCI 407</td>
<td>Religion and Rationality (SL)</td>
</tr>
</tbody>
</table>

V. Senior Seminar (4 units)

The senior seminar culminating the University Studies Program. Analyzing religious, moral, and social issues within the student’s major program of studies, students will reflect on their own faith as they apply theoretical principles to specific problems of contemporary life. Students will integrate their values with their academic experiences and their professional aspirations by drawing on their service and knowledge. Students will examine their commitments to service as socially responsible members of their various communities.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNST 404</td>
<td>Senior Seminar: Religion, Values, &amp; Social Responsibility</td>
</tr>
</tbody>
</table>

**COURSES**

A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.

**LOWER DIVISION**

**STATEMENT OF GUIDELINES REGARDING UNST 100 AND 101**

- First-year students who have not been full-time college students or transfer students with less than 24 units are required to take the two-quarter sequence of UNST 100 or 101.
- Half-time ESL students are required to take UNST 101. UNST 101 does not count as one of the “two regular” classes that a half-time ESL student can take.
- Non-degree seeking (pre-professional) students are required to take the two-quarter sequence of UNST 100 or UNST 101.
- UNST 100 or UNST 101 requirement must be completed within three quarters of La Sierra University residence, excluding summer.
- Students who do not successfully complete the UNST 100 or 101 requirement within three quarters, excluding summer, must take an additional (beyond University Studies Requirements) 4-unit University Studies Theme Class (SSCI, HUMN, RLGN, NSCI, UNST 404).
- Students who do not successfully complete UNST 101A or UNST 101B must enroll in the trailer section of the following quarter.
- Students who do not pass UNST 100B must take the trailer section of UNST 101.
- First-year students or transfer students with less than 24 units who begin spring quarter must enroll in the trailer section of UNST 101B spring quarter and UNST 101A fall quarter.
- Students with junior standing and above are not allowed to enroll in UNST 101 classes.
UNST 100 Critical Thinking Skills for the University Student (3): This course will help first-year students develop their critical faculties through their participation in higher-level thinking activities. The course structure contains a strong emphasis on reading comprehension and written and oral communication. A focus on creative expression is used in the course to instill in students a sense of curiosity. In addition, students will develop learning strategies including, but not limited to, time management, goal setting, multi-level thinking, effective reading, memory strategies, and stress management. Students will also be introduced and encouraged to utilize the technology and learning resources offered by the University. All provisionally-accepted first-year students and provisionally-accepted transfer students with 24 units or less are required to take UNST 100.

UNST 101 A & B First Year Seminar (1, 1): An introduction to La Sierra University life, including the history and ethos of the University, the general education curriculum, and the University’s information technology and other learning resources. The course also addresses characteristic modes of thinking in the various academic disciplines and develops effective learning strategies and skills. Must be enrolled during first and second quarters of attendance at La Sierra University.

SSCI 104 Growing Up in America (4): An interdisciplinary study of issues associated with childhood, adolescence and parenting with particular attention to sociocultural (social, cultural, and diversity) factors in the United States that affect development. The class paints a picture of childhood in the United States and, at the same time, focuses on factors that optimize the development of children. At the end of the class, students should not only be knowledgeable about the issues surrounding childhood in this country but have reflected about their responsibility as citizens and future parents. This is a Service-Learning course. Prerequisite: ENGL 111 or 124

SSCI 105 Identity and Society (4): An exploration of relationships among individuals, social groups, and institutions, emphasizing the uses of power and authority and the roles of oral communication and networking in constructing social ties and mediating disputes. Major social groups such as the state, the workplace, the school, the church, and the family are examined from the perspectives of politics, economics, education, religion, and science. This is a Service-Learning course. Prerequisite: ENGL 111 or 124

SSCI 106 Childhood in Global Perspective (4): An interdisciplinary survey of issues impacting the development of children around the world, with particular emphasis on developing regions and non-Western contexts. The course will consider children’s health and well-being within the context of familial, cultural, economic, and political systems, and how these are affected by global economic and political forces. By the end of the class, students should not only be knowledgeable about the issues surrounding childhood, but have reflected about their responsibility as citizens of the world. Prerequisite: ENGL 111 or ENGL 124

SSCI 107 Gender and Law in Contemporary Society (4): This course is a general study of how issues of gender and law interact in determining how societies construct and enforce expectations concerning relations between the sexes. It will cover historic gender-driven court cases as well as contemporary American law and how it engages issues of gender-related behaviors and rights. This course will also look at some global concerns about legal discrimination against women. It will also include an investigation of the aspects of human perception and memory related to gender factors and the effects of socio-cultural traditions on eyewitness interpretation and testimony. Prerequisite: ENGL 111 or ENGL 124

HUMN 204 Exploring American Culture Through Literature and Film (4): With a focus on American literature and film, this course seeks to make La Sierra University students educated participants in the creation and evolution of American culture. To achieve this fundamental objective, the course introduces students to basic skills of critical analysis as applied to cultural “texts” produced in the United States. Students then learn to use these skills and respond to specific explorations of contested dimensions of culture such as religion, society, culture, politics, and economics. Prerequisite: ENGL 111 or 124

HUMN 205 Exploring American Culture Through the Visual and Performing Arts (4): With a focus on American visual and performing arts, this course seeks to make La Sierra University students educated participants in the creation and evolution of American culture. To achieve this fundamental objective, the course introduces students to basic skills of critical analysis as applied to cultural “texts” produced in the United States. Students then learn to use these skills and respond to specific explorations of contested dimensions of culture such as religion, society, culture, politics, and economics. Prerequisite: ENGL 111 or 124

HUMN 206 Perspective on Modern Culture (4): This course seeks to make La Sierra University students educated participants in the creation and development of culture through an awareness of the forces that shape and influence modern culture. To achieve this fundamental objective, the course introduces students to basic skills of critical analysis as applied to cultural ‘texts’ and asks some of the people in modern society who are actively involved in the creation and shaping of culture to dialog and provide insight into this fascinating and creative process. Students then learn to apply these skills and respond to the guest speakers and lecturers in active discussion and dialogue with the goal of synthesizing a personal voice or interpretation of the products of culture in today’s world. Prerequisites: ENGL 111 or 124
**UPPER DIVISION**

**RLGN 304 Adventism in Global Perspective (4):** An interdisciplinary study of Adventism from its inception in nineteenth-century New England to its present situation as a multicultural community of faith, including an examination of the major figures and historical turning points. The course traces the development of Adventist beliefs and their relationship to those of other Christian denominations. The course also considers various aspects of the Adventist lifestyle; surveys the principal Adventist enterprises, such as health care, education, media, and missions; and, looks at Adventist spirituality and the problems it encounters in a predominantly secular environment. **Prerequisites:** ENGL 113 or 124. **Restriction:** Students must have junior or senior standing

**RLGN 305 The Experience of Religion in Three Cultures (4):** An examination of the phenomena of religious belief and experience, and a study of the theologies and institutions that formalize belief, establish community, and insure their preservation and perpetuation. Special attention is given to Christianity and to two of the following: Judaism, Islam, Hinduism, Buddhism, and Animism. The course interacts with the contemporary world by exploring ways of developing relevant, persuasive individual and communal value systems and the influence of these systems on individual and communal judgments and choices. Not open to students with credit in RELT 237. **Prerequisites:** ENGL 113 or 124. **Restriction:** Students must have junior or senior standing

**RLGN 307 Faith and Worship in the Inland Empire (4):** Exploration of faith communities in the Inland Empire, with emphasis on immigrant groups and their religious adaptations to local needs and contexts. This exploration will be traced especially through worship styles and experiences, educational programs for youth, interactions with other faith groups, and provisions for pasturing across generational and linguistic gaps. This course includes a Service-Learning component. **Restriction:** Must be a student in the Division of Continuing Studies

**NSCI 404 Humans and the Environment (4):** An interdisciplinary survey of issues impacting the environment. The course will consider environmental ethics and/or moral leadership in issues such as ecology, environmental resources, resource management, health and the environment, pollution, etc. and how ethics and/or leadership impacts the idea of creation as the grounding of Christian environmental concerns. A major goal is to help students understand the importance of their role as responsible citizens in the context of environmental ethics. **Prerequisites:** ENGL 113 or 124; 4 units that fulfill either Theme IVA or Theme IVB requirements & CPTG 117, MATH 115, 121, or 155. **Restriction:** Students must have junior or senior standing

**NSCI 405 Scientific Thinking and Religious Belief (4):** This course is an introductory study of the nature of scientific thinking, its various kinds of interactions with religious belief, and its impact on contemporary issues. A major goal is to lead both science and non-science students to understand both the importance and limitations of science. **Prerequisites:** ENGL 113 or 124; 4 units that fulfill either Theme IVA or Theme IVB requirements & CPTG 117, MATH 115, 121, or 155. **Restriction:** Students must have junior or senior standing

**NSCI 406 Nature and Human Values (4):** This course is an introductory study of the ways humans try to make sense out of the nature of the universe and their place in it. The relationships between science and religion are a prominent theme of the course. A major goal is to lead both science and non-science students to understand both the importance and limitations of science. **Prerequisites:** ENGL 113 or 124; 4 units that fulfill either Theme IVA or Theme IVB requirements & CPTG 117, MATH 115, 121, or 155. **Restriction:** Students must have junior or senior standing

**NSCI 407 Religion and Rationality (4):** An introductory study of the relationship between rational reflection and religious conviction. This course will focus particularly, but not exclusively, on links between the methods appropriate to natural scientific analysis and those useful for the assessment of religious claims. It will also examine the substantive implications of the findings of the natural sciences for religious belief and of religious beliefs for judgments in the natural sciences. A major goal is to help students understand the importance and limitations of the natural sciences. **Prerequisites:** ENGL 113 or 124; 4 units that fulfill either Theme IVA or Theme IVB requirements & CPTG 117, MATH 115, 121, or 155. **Restriction:** Students must have junior or senior standing

**UNST 404 Senior Seminar: Religion, Values, and Social Responsibility (4):** The senior seminar culminating the University Studies program. Analyzing religious, moral, and social issues within the student’s major program of studies, students will reflect on their own faith as they apply theoretical principles to specific problems of contemporary life. Students will integrate their values with their academic experiences and their professional aspirations by drawing on their service and knowledge. Students will examine their commitments to service as socially responsible members of their various communities. **Prerequisite:** ENGL 113 or 124. **Restriction:** Students must have junior or senior standing
University Honors

Program Faculty

Douglas R. Clark, Director
Associate Dean, H.M.S. Richards Divinity School
Professor of Biblical Studies and Archaeology (2007)
PhD Vanderbilt University 1984
Biblical languages, Old Testament, archaeology

Gary Chartier
Associate Dean, Zapara School of Business
Associate Professor of Law and Business Ethics (2001)
JD University of California at Los Angeles 2001
PhD University of Cambridge 1991
Theology, philosophy, ethics, political theory, public policy, law and legal theory

Robert P. Dunn
Emeritus Professor of English (1968)
PhD University of Wisconsin 1970
RelM School of Theology at Claremont 1977
English renaissance, religion and literature

Andrew C. Howe
Assistant Professor of History (2005)
PhD University of California, Riverside 2005
American history and civilization, culture studies & film studies

John R. Jones
Associate Professor of New Testament Studies and World Religions (1990)
PhD Vanderbilt University 1982
Biblical languages and background, scriptural interpretation and theology, phenomenology of religions

Wonil Kim
Associate Professor of Old Testament Studies (1994)
PhD Claremont Graduate University 1996
Exegesis, theology, and hermeneutics of the Old Testament

Lisa Kohlmeier
Assistant Professor of History (2005)
PhD Claremont Graduate University 2009
American history, women’s intellectual & cultural history, gender studies

Suzanne Mallery
Associate Professor of Psychology (2001)
PhD Fuller Theological Seminary 1998
Clinical psychology, pediatric psychology

Krista Motschiedler
Assistant Professor of Chemistry (2002)
PhD University of California, Los Angeles 2000
Physical organic chemistry

Elvin S. Rodríguez
Professor of Music (1998)
EdD Teachers College of Columbia University 1991
Piano, music technology

Lloyd A. Trueblood
Assistant Professor of Biology (2010)
PhD University of Rhode Island 2010
Marine invertebrate physiology, environment physiology

John W. Webster
Professor of Theology and History of Christianity (1999)
PhD Princeton Theological Seminary 1995
Systematic theology, history of Christianity, philosophy, ethics

James R. Wilson
Professor of Biology (1991)
PhD University of Cincinnati 1976
Cell biology

Admission into the University Honors Program

The University Honors program is a rigorous and intensive program and is not designed for everyone. It is for this reason that the program has specific criteria and guidelines for admission. For the most current information, please contact the University Honors Program Office at (951) 785-2310 or visit http://www.lasierra.edu/honors.

Objective

The La Sierra University Honors Program is a community that gives special attention to undergraduates of outstanding intellectual and creative ability. It brings substantial breadth, depth, and integrative experiences to students in Honors courses. The program aims to charge the imagination and to enable students to recognize their own potential and responsibilities in an environment where student initiative is a guiding force. Courses are small and encourage discussion and interaction among students and between faculty and students. The environment is designed to be both challenging and supportive.
The particular objectives of this curriculum are organized in the context of the University mission “To Seek, to Know, to Serve:”

- Seeking: Students are encouraged to contribute to the definition of their own education as they develop excellence in scholarship in a manner and with a subject that is uniquely their own. This is foundational to the lifelong process of seeking truth through intellectual inquiry, analytical rigor, religious understanding, and moral courage.
- Knowing: Students are encouraged to know God and the world and are challenged to understand a wide variety of perspectives across space and time, and to explore the ways these perspectives interrelate.
- Serving: Students are encouraged to engage in their communities (civic, professional, religious, cultural, and global) to transform and build them with integrity, courage, openness, and compassion.

Honors Program Learning Goals and Outcomes

Students will be:

1. Competent in General Academic Skills: Students will have excellent computational, analytical, and rhetorical skills.
   - A. Students can apply quantitative skills to the resolution of social and scientific issues, and understand their relevance.
   - B. Students can prepare and deliver oral presentations and write papers that exhibit clarity of purpose, analysis, and relevance.

2. Broadly Knowledgeable: Students will understand the liberal arts.
   - A. Students will comprehend the key issues, debates, and current events in the areas of religion, science, the arts, politics, society, and philosophy.

3. Deeply Knowledgeable: Students will be involved in extending knowledge in at least one discipline, working collaboratively with project sponsors.
   - A. Students will show initiative and self-direction in scholarship through research or creative activity.

4. Appreciative of Diversity: Students will identify and evaluate the perspectives of different groups across space and time.
   - A. Students can analyze and evaluate a problem or issue from each of the following viewpoints: religious, scientific, artistic, political, economic, societal, and philosophical, and can understand and evaluate relationships between worldviews and various group identities (for example, gender, race, or religion).

5. Integrated in Their Viewpoints: Students will seek to integrate different perspectives; value openness to paradigm shifts; engage in serious moral reflection; and demonstrate that they understand the relevance of La Sierra’s Seventh-day Adventist Christian vision to other perspectives.
   - A. Students will integrate and synthesize their own worldviews with others’ worldviews, identifying and appraising their own in light of other disciplinary, socioeconomic, philosophical, and religious perspectives, and evaluating the strengths and weaknesses of other worldviews in relation to their own worldviews.

6. Impactful Citizens: Students will be productively engaged and involved in their campus and other communities in a manner reflective of the University’s Seventh-day Adventist Christian values.
   - A. Students will apply their skills and knowledge developed in the Program through being significantly involved in their civic, religious, cultural, and global communities, on campus and off.

7. Self-Aware as Lifelong Learners: Students will view learning and spiritual formation as lifelong processes involving continual growth.
   - A. Graduating students will value the deepening transformations of their own worldviews throughout their college careers, and beyond.

Some Special features of the University Honors Program

- An international experience is integrated into the curriculum in the summer between the sophomore and junior years. Students, in their travels, are prepared to analyze and study locations, going not just as tourists but also as scholars.
- A portfolio is developed documenting students’ growth throughout the program and providing a showcase of their best work when they graduate.
- Students complete an Honors Scholarship project, in which they develop an original research or creative project that is presented publicly.
- Service Learning is significantly incorporated into the curriculum, with each student completing a Community Involvement Project.
- The curriculum is designed to promote faculty development, encouraging pedagogical experimentation and innovation.
Grades

An Honors course requires a grade of at least a C to satisfy University Honors Program requirements. Honors courses with lower grades may still fulfill general education or elective requirements but not University Honors Program general education requirements.

An honors scholar must have a cumulative grade point average of 3.50 for all courses and of 3.25 for all Honors courses prior to enrolling for Honors Scholarship (UHNR 464) units.

A student is no longer allowed Honors status when the cumulative grade point average for all courses is below 3.25, or for all Honors courses is below 3.00.

Portfolio

All students in the program will complete an Honors portfolio, used by both the program and the student to evaluate the student’s progress and develop his or her rhetorical skills.

General Education Requirements

The following list of program requirements fulfills general education requirements (as an alternative to the University Studies curriculum) for students admitted into the University Honors Program. A student may elect not to complete the Original Scholarship component of the Program and still fulfill general education requirements (but not graduate with University Honors designation). For further up-to-date information, see http://www.lasierra.edu/honors.

Program Requirements

Required: 70-95 units

- Honors Core Courses: (42 units)

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>UHNR 101</td>
<td>Beginning to Seek</td>
</tr>
<tr>
<td>UHNR 114, 114L</td>
<td>The Scientific Process</td>
</tr>
<tr>
<td>UHNR 115, 115L</td>
<td>The Arts</td>
</tr>
<tr>
<td>UHNR 224</td>
<td>Religious Understanding</td>
</tr>
<tr>
<td>UHNR 231</td>
<td>Global Cultures in Context: Theories and Perspectives</td>
</tr>
<tr>
<td>UHNR 232</td>
<td>Global Cultures in Context: The Experience</td>
</tr>
<tr>
<td>UHNR 314, 314L</td>
<td>Changing Communities</td>
</tr>
<tr>
<td>UHNR 324</td>
<td>Science and the Future</td>
</tr>
<tr>
<td>UHNR 404</td>
<td>Senior Seminar: Religion, Values, and Social Responsibility</td>
</tr>
<tr>
<td>UHNR 414</td>
<td>Religion and the Future</td>
</tr>
<tr>
<td>UHNR 424</td>
<td>Seeking, Knowing, Serving</td>
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- Community Involvement: (3 units)

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<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>UHNR 354</td>
<td>Honors Community Involvement</td>
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</tbody>
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- Original Scholarship: (5-13 units)

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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>UHNR 364</td>
<td>Honors Scholarship Colloquium</td>
</tr>
<tr>
<td>UHNR 464</td>
<td>Honors Scholarship Project</td>
</tr>
</tbody>
</table>

Competencies: (20-37 units)

Choice of either:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENGL 111, 112, 113</td>
<td>College Writing</td>
</tr>
<tr>
<td>ENGL 124</td>
<td>Freshman Seminar in Writing</td>
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</tbody>
</table>

- OR-

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 121</td>
<td>College Algebra</td>
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Plus, choice of:

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<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 131</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 155</td>
<td>Introduction to Statistics (or other Stats course)</td>
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Plus,

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<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>HLSC 120</td>
<td>Lifetime Fitness</td>
</tr>
<tr>
<td>UHNR 201</td>
<td>Seminar in Rhetoric</td>
</tr>
</tbody>
</table>

- Portfolio

All students in the program will complete an Honors portfolio, used by both the program and the student to evaluate the student’s progress and to develop the student’s rhetorical skills.

COURSES

A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.

Note: Membership in the University Honors Program is a prerequisite for all Honors courses.

LOWER DIVISION

UHNR 101 Beginning to Seek (1): An introduction to the University Honors Program and La Sierra University, including the history and ethos of the Program and University, the Honors curriculum, and available campus and community resources. Students begin to articulate their worldviews and start their Honors Portfolios. To be taken during the first year in which the student is a member of the University Honors Program.
UHNR 114/114L The Scientific Process (4): Modeling of science as practiced by the profession, with an emphasis on the process of science. Asks the questions, “What is science?” and “How is science done?” while focusing on selected topics in science in their social and historical context. Recommended Corequisite: ENGL 112 or 124

UHNR 115/115L The Arts (4): An analysis of the structural elements of various visual and performing arts, and a study of the form, content and context as it relates to aesthetic response. Selected primary texts or classics of Western and Eastern literature, art, music, or other forms of aesthetic expression are examined.

UHNR 201 Seminar in Rhetoric (2): Advanced study of prose and narrative forms and techniques, and oral communication of ideas to others. Includes intensive practice in writing and revising prose and oral presentations and the preparation and delivery of public speeches. Student portfolios are used in the practice of revision. Prerequisite: ENGL 113, or ENGL 124 with a grade of B or better

UHNR 224 Religious Understandings (4): An exploration of religious traditions as sources of insight, personal meaning, social structure, and moral guidance. Such topics as sacred time and place, ritual, and religious understandings of community, human nature, creation, and revelation are examined in a global, historical, social, political, theological, and philosophical context. Attention will be given to the content, adequacy, and implications of Christian faith.

UHNR 231 Global Cultures in Context: Theories and Perspectives (4): An examination of global cultures and worldviews, focusing on both the content of cultures and the processes present within and between cultures. One or more cultures are selected to study in greater depth in preparation for UHNR 232. Prerequisite: Language through level 152 (can be concurrently enrolled)

UHNR 232 Global Cultures in Context: The Experience (4): Exploring an international location, focusing on its cultures, communities, and global context. Includes an international experience. Prerequisite: UHNR 231 (can be concurrently enrolled)

UHNR 299 Directed Study (1-4): Lower-division independent study in an area to be specified, to be completed in consultation with an advisor.

UPPER DIVISION

UHNR 314/314L Changing Communities (5): An examination of the way communities change over time, and the way that individuals and groups may transform communities. Includes social and historical context for community change, political and philosophical understandings of community, and connections with religion. Students participate in local community agencies, and prepare and propose a plan for the Honors Community Involvement Project (UHNR 354). Prerequisite: UHNR 231

UHNR 324 Science and the Future (4): Examination of one or more subjects in the sciences or mathematics, emphasizing the current “state-of-the-art” and future directions in the field. Includes social and historical context; moral, political, and legal implications of scientific developments; and connections with religion and philosophy. Prerequisites: One quarter of a calculus or statistics course & UHNR 114 & 114L

UHNR 354 Honors Community Involvement (1-3): A project that engages the student in a community as he or she seeks to transform and build that community. Culminates in a written summary and analysis of the ways the community involvement has changed the student and the community, and an oral presentation. May be repeated for additional credit up to 3 units total; 3 units required to fulfill graduation requirement. It is recommended that this course be taken immediately following UHNR 314/314L. Prerequisite: UHNR 314/314L

UHNR 364 Honors Scholarship Colloquium (1): The preparation and presentation of a proposal for the Honors Scholarship Project (UHNR 464). Prerequisite: Sophomore standing

UHNR 404 Religious, Moral, and Social Aspects of the Academic Discipline (4): A senior-level seminar considering epistemological, moral, and social issues raised by the student’s discipline. Students explore significant issues both theoretically and as specific problems of contemporary life, bringing their background from the University Honors Program (particularly his or her community involvement and scholarship project) to bear on the interaction of their values with the discipline. Credit may not be given for both UHNR 404 and UNST 404. Prerequisites: UHNR 354 (can be concurrently enrolled) & UHNR 364

UHNR 414 Religion and the Future (4): An examination of contemporary issues facing the Christian community and the Seventh-day Adventist Church in their social and philosophical contexts. Attention will be given to the process of critical, constructive, and contextualized philosophical, ethical, and theological thinking. Prerequisite: UHNR 224

UHNR 424 Seeking, Knowing, and Serving (4): A senior-level capstone seminar in which students explore themes throughout the University Honors Program, evaluate the development of their personal philosophies and worldviews and the future of their worldviews, and understand how these worldviews relate to the perspectives of different groups across space and time. Special emphasis is paid to the religious and global implications of these worldviews. Revision of the student’s portfolio is a central component of this process, and a reflective essay on the entire portfolio is produced. Prerequisites: Senior standing & UHNR 354 (can be concurrently enrolled)
UHN 464 Honors Scholarship Project (1-12): A research or creative project of significance that culminates in a written thesis, production, or exhibition, as well as an oral presentation in an off- or on-campus forum. A minimum of 4 and a maximum of 12 units satisfy University Honors Program requirements. May be repeated for additional credit up to 12 units total; 4 units minimum required to fulfill graduation requirement. May be included in the credit for a major with the consent of the major department. Prerequisites: Senior standing & UHN 364

UHN 499 Directed Study (1-4): Upper-division independent study in an area to be specified, to be completed in consultation with an advisor.
Program Faculty
Nancy Dittemore, EdD, Director
Carrie Engevik, BA, Academic Advisor
Barbara Williams, Secretary

Objective
The Division of Continuing Studies (DCS) seeks a broad base of students from many faiths, and it values student diversity as a strength. DCS offers evening classes to adult students who wish to complete their bachelor degrees. The Division of Continuing Studies is designed to encourage personal excellence, physical and emotional health, intellectual breadth, appreciation of the fine arts, and commitment to supreme values.

The Division of Continuing Studies fulfills the aims of the University through two main programs:

The undergraduate degree completion program (ACCESS) is specifically designed to meet the academic needs of students 22 years of age and older: it provides undergraduate degrees (BA and BSW) which combine career-related and general education courses that may include credit for prior experiential learning.

The English Language and American Culture ESL program offers English language learners quality ESL curriculum for preparation to study at the university level

Intensive 2, 3, & 4 week American culture programs (see English Language and American Culture/ESL section in this Bulletin for further information).

Access Admission information
Division of Continuing Studies ACCESS students must:

- Be at least 22 years of age
- Have completed at least 44 transferable quarter units (30 semester units) with a minimum 2.0 cumulative grade point average

For English Language and American Culture admission information:
See English Language and American Culture section of this Bulletin.

ACCESS students are admitted into the University for a period of four years. Students needing to discontinue enrollment for longer than one calendar year (12 months) and desiring a leave of absence must request permission in writing before the end of the 12-month period. Students must submit a written request to the program director that explains the absence, verifies the intent to continue studies, details a plan, and outlines a schedule of expected return. Requests will be reviewed by the ACCESS program director and appropriate administrators. Students will be notified in writing of the decision.

Financial information
The Division of Continuing Studies promotes its liberal arts and social work programs independently of other degree programs on campus. Prospective students should check with the DCS office for applicable tuition charges and services for the ACCESS program. Financial assistance (grants, loans) is available. Refer to the “Federal Programs,” “California State Programs,” and “Other Programs” portions of the Financial Information section of this Bulletin for more information.

Fees
Current tuition rates, vehicle registration fees, and graduation fees are available online from the DCS office. The portfolio evaluation fee is based on the number of quarter units to be assessed. Additional portfolio information is available in this section of the Bulletin as well as at the DCS office.

General Education Requirements
Track III general education requirements are specifically designed for adult students. These requirements encourage intellectual breadth and depth, appreciation of fine arts, responsible social relationships, understanding of religious studies, and experiential service-learning. Two service-learning courses are required for sophomores, and one service learning course is required for juniors and seniors on admittance to the program. If one service-learning course is required, it must be integrated within an approved service-learning course. If two service-learning courses are required, one requirement must be integrated within an approved service-learning course or through an approved service-learning portfolio (different from regular course portfolio, Honors portfolio, etc). Additional information on the service-learning portfolio is available at the Office of Service Learning. The ACCESS program is designed to be flexible and complement the transfer of earned college-level credit.
The specific general education curricula required for the Bachelor of Arts in liberal arts, and the Bachelor of Social Work are available at the office of the Division of Continuing Studies or at the office of the Associate Provost.

Programs of Academic Study

The ACCESS program offers two baccalaureate degrees: one BA degree in liberal arts, and one BSW degree in social work. Graduates of the ACCESS program participate in the University’s June commencement ceremonies and are awarded traditional La Sierra University diplomas; academic degrees are awarded through the College of Arts and Sciences.

- Bachelor of Arts in Liberal Arts
  The curriculum for the Bachelor of Arts degree (BA) with a major in Liberal Arts is diversified and offers a comprehensive liberal arts education; a specific area of concentration can be tailored to accommodate the student’s interests and needs. The Liberal Arts curriculum also provides a good foundation for obtaining elementary or secondary teaching certification or for enrolling in a master’s degree program. (Education classes are offered through the School of Education.) The BA degree is granted through the College of Arts and Sciences.

- Bachelor of Social Work
  The curriculum for the Bachelor of Social Work (BSW) provides courses leading to a professional degree that can be used in a wide variety of social services careers. Social Work is one of the major helping professions today. It is a profession that can make a difference in the way people shape their lives, their environment, and their world throughout a lifetime. The BSW curriculum is fully accredited by the Council on Social Work Education, and the degree is awarded through the College of Arts and Sciences.

All graduates of the ACCESS Program participate in the University's June commencement ceremonies and are awarded traditional La Sierra University diplomas.

MAJORS

Bachelor of Arts

LIBERAL ARTS

The Liberal Arts major is a diversified curriculum leading to the Bachelor of Arts degree. Major requirements are distributed among the following areas: English and Communication; Humanities; Math, Natural and Physical Science; Social Science; and an individualized area of concentration (chosen from one of the four areas listed or Studio Arts).

Students interested in preparing for teaching certification should contact the Department of Curriculum and Instruction in the School of Education for academic advice regarding the process of fulfilling credential requirements and preparing to take the California Basic Education Skills Test (CBEST), the California Subject Examinations for Teachers (CSET), or the Single Subject Assessment Test (SSAT).

In addition to Track III general education requirements, the following courses are required for the major:

Required: 68 units (32 upper division) including:

- English and Communication - 16 units (8 upper division) to be chosen from:
  Communication Skills
  English Composition
  Literature

- Humanities - 16 units (8 upper division) to be chosen from:
  Fine Arts (history or appreciation of architecture, art, drama, theatre)
  History and Culture
  Music (history or appreciation)
  Philosophy
  Religious Studies (except RELP Church & Ministry)
  World Languages

- Math, Natural and Physical Science - 12 units (8 upper division) to be chosen from:
  Biology
  Chemistry
  Computer Science
  Environmental Science
  Geology
  Mathematics/Statistics
  Physical Anthropology
  Physical Geography
  Physics

- Social Science - 12 units (8 upper division) to be chosen from:
  Anthropology (except Physical)
  Child Development (Early Childhood Education)
  Economics
  Geography (except Physical)
  Political Science
  Psychology
  Sociology

- Area of Concentration - 12 units chosen from:
  One of the four areas listed above or Studio Arts
Bachelor of Social Work

This major provides an education for students wishing to enter the field of social work or improve current skills. Such a background leads to professional employment in social service agencies and/or preparation for graduate studies in social work.

In addition to Track III general education requirements, the following courses are required for the major:

Required: 75 units (47-51 upper division) as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOWK 204</td>
<td>Colloquium (1, 1, 1)</td>
</tr>
<tr>
<td>SOWK 205</td>
<td>Heritage of American Social Work (4)</td>
</tr>
<tr>
<td>SOWK 214</td>
<td>Introduction to Social Work Practice I (4)</td>
</tr>
<tr>
<td>SOWK 215</td>
<td>Introduction to Social Work Practice II (4)</td>
</tr>
<tr>
<td>SOWK 252, 252L</td>
<td>Understanding Social Work Research Methods (4)</td>
</tr>
<tr>
<td>SOWK 286, 386</td>
<td>Special Topics (Electives) (2, 2)</td>
</tr>
<tr>
<td>SOWK 311</td>
<td>Human Behavior and the Social Environment I (4)</td>
</tr>
<tr>
<td>SOWK 312</td>
<td>Human Behavior and the Social Environment II (4)</td>
</tr>
<tr>
<td>SOWK 314</td>
<td>Social Work Methods: Generalist Practice with Individuals (4)</td>
</tr>
<tr>
<td>SOWK 315</td>
<td>Social Work Methods: Generalist Practice with Groups (4)</td>
</tr>
<tr>
<td>SOWK 316</td>
<td>Social Work Methods: Generalist Practice with Communities and Organizations (4)</td>
</tr>
<tr>
<td>SOWK 317</td>
<td>Social Work Methods: Generalist Practice with Children and Families (4)</td>
</tr>
<tr>
<td>SOWK 349, 349L</td>
<td>Generalist Social Work Research Methods (5)</td>
</tr>
<tr>
<td>SOWK 388</td>
<td>Field Practicum Orientation (1)</td>
</tr>
<tr>
<td>SOWK 405</td>
<td>Social Welfare Policy (4)</td>
</tr>
<tr>
<td>SOWK 488</td>
<td>Field Seminar (2, 2, 2)</td>
</tr>
<tr>
<td>SOWK 498</td>
<td>Field Practicum (4, 4, 4)</td>
</tr>
</tbody>
</table>

Required Cognates: 16 units, as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 107</td>
<td>Human Biology (or equivalent) (4)</td>
</tr>
<tr>
<td>MATH 155</td>
<td>Introductory Statistics (4)</td>
</tr>
<tr>
<td>PSYC 104</td>
<td>Generalist Psychology (or equivalent) (4)</td>
</tr>
<tr>
<td>SOCI XXX</td>
<td>Sociology (one course) (4)</td>
</tr>
</tbody>
</table>

Experiential Learning Credit

La Sierra University recognizes that learning is a lifelong process that occurs in many environments both inside and outside of classrooms. A quality education can and does result from a variety of activities. Consequently, the experiential learning program has been established to award academic credit for knowledge and skills acquired through life experience. Students may earn a maximum of 45 quarter units of academic credit beyond the traditional classroom environment through equivalency examinations and/or portfolio development as follows (Refer to the “Transfer Credit” portion of the Academic Policies and Procedures section of this bulletin for more information):

Equivalency examinations

Students may take equivalency examinations administered by the appropriate school and department of the University. Such examinations are at least equal in scope and difficulty to the final examination in the courses and may not be available for all courses. A maximum of 24 units may be earned through equivalency examinations. (Refer to the “Credit by Equivalency Examination” portion of the Academic Policies and Procedures section of this Bulletin for more information.)

Standardized CLEP and DANTES examinations may be taken at the University’s Learning Support and Testing Center (951) 785-2453; call for schedule and fees. A maximum of 32 quarter units may be earned through these programs. (Refer to the “CLEP Examinations and Advanced Placement Program” portion of the Academic Policies and Practices section of this Bulletin for more information.)

Portfolio development

A portfolio developed by the student is used to present the knowledge gained from experiential learning for which academic credit is sought. The life experiences to be considered for presentation in a portfolio may include paid employment, volunteer work, community service activities, military training, extensive independent reading, personal artistic achievement, recreation, travel, special accomplishments, and non-university courses or training.

This process includes three components: preliminary assessment, portfolio development, and evaluation. Credit for prior learning is awarded only for University-level learning. It must not duplicate previously transferred courses or credit earned by taking equivalency examinations. A maximum of 45 quarter units may be earned through portfolio development.

Armed Forces Schooling

Credit for students at an Armed Forces School is granted according to the recommendations of the American Council on Education.
English Language & American Culture

Program Faculty

Nancy Dittemore EdD, Director
Instructor in English Language and American Culture (2011)

Nancy Geriguis-Mina MA, Assistant Director
Instructor in English Language and American Culture (2011)

Judy Barcelo
Instructor in English Language and American Culture (2011)

Donavan Childs
Instructor in English Language and American Culture (2011)

Sandra Ingram
Instructor in English Language and American Culture (2011)

Eregina Millan-Coffey
Instructor in English Language and American Culture (2011)

Kelly Reid
Instructor in English Language and American Culture (2011)

Denise Gorle
Instructor in English Language and American Culture (2011)

Jeeyoung Lee
Instructor in English Language and American Culture (2011)

Lauren Bond
Instructor in English Language and American Culture (2011)

Degrees Offered

- None. The ESL Program is a non-academic credit program.

Mission Statement

The English Language & American Culture (ELAC) ESL Program assists non-native English-speaking ESL students to acquire, understand, and successfully use academic English at an American university and attain sufficient language proficiency and independent learning strategies to become successful participants in the La Sierra University community.

The ELAC program also assists non-native English-speaking students to acquire, understand, and successfully use standard English for non-academic purposes.

The ELAC program is committed to sustaining instructional excellence through collaborative professional support, continuous monitoring of ELAC curricula and student services, and integration of appropriate educational technology into learning and instruction.

The ELAC program, instructors, and coursework provide a broad range of excellent academic and cultural opportunities. These opportunities help students develop and demonstrate proficiency in the skills of reading comprehension, writing, grammar, speaking, and listening comprehension.

The program is designed for international students and professionals, or for those seeking an intensive English experience focusing on reading comprehension, writing, listening comprehension, and speaking English, as well as an introduction to the American culture. The objective of the program is to help students improve their English speaking, reading, writing, and listening skills and assist academically-focused students in meeting the requirements for admission into the undergraduate and graduate programs.

Classes are scheduled in 10-week sessions during fall, winter, and spring quarters, with intensive programs (varying in length) during the summer quarter.

Four main levels of instruction meet each quarter during the academic year. Each class meets 40 hours per quarter and includes a language lab.

Intensive Programs

The ESL Intensive programs are designed for those wishing to enhance their English language verbal communication skills. The programs focus on increasing proficiency in English language conversation, vocabulary, pronunciation, and listening. Learning takes place in the classroom and through exposure to American Culture experiences during a number of learning activities and local excursions.

Classes and activities are scheduled in various formats and in 1-8 week durations throughout the academic year, including summer quarter.

English Language & American Culture ESL Program Student Learning Outcomes

1. Know and understand the foundation of the English language.
2. Be able to sustain academic self-sufficiency in mainstream university classrooms.
3. Demonstrate sufficient written skills to succeed in re-foundation or college-level writing courses.
4. Demonstrate sufficient oral and written English language skills necessary for academic endurance.
English Language & American Culture

5. Be able to communicate with other non-academic English speakers.

ESL Placement

Students enter the English Language & American Culture ESL program at one of the four main levels, or at the half-time level. The level at which a student enters, called the Point of Entry, is determined by the TOEFL, Michigan, IELTS, or Accuplacer ESL test score.

Students may repeat courses as necessary.

ESL Curriculum

Full-time ESL:

All ESL students must register for a minimum of 12 units plus language lab. It is highly recommended that ESL students register for 16 units plus language lab. Core Courses (16 units per quarter): Grammar and Syntax (4); Composition (4); Reading Comprehension and Vocabulary (4); Listening, Pronunciation, & Conversation (4); Language Lab (0).

All courses are offered at Basic, Beginning, Intermediate, and Advanced levels each quarter. Courses carry an ESL prefix and are non-degree applicable. Final letter grades do not affect university GPA. Courses do not apply toward graduation in any academic major or pre-professional program, nor do they meet University Studies or general education requirements.

Half-time ESL:

Eight (8.0) units per quarter chosen (as recommended by ELAC staff) from the following Courses: ESLC 101 Expanded Grammar and Syntax; ESLC 102 Expanded Composition; ESLC 103 Expanded Reading Comprehension and Vocabulary; ESLC 104 Expanded Listening, Pronunciation, & Conversation. Two hours of TOEFL Lab per week are required.

-PLUS-

A maximum of eight undergraduate units from University Foundational Studies (per Math and English ACCUPLACER) and as advised by a University academic advisor. The number of University units may not exceed the number of ESL units. Graduate students must see ESL Assistant Director for other details.

International Student Delayed Arrival (ISDA)

The following courses do not carry academic credit. Students may repeat courses as necessary. A student must receive a final grade of “B” or better in order for a course to count as a prerequisite for the next level of courses. Students may register for classes from two different Learning Levels according to their readiness in specific areas of English language proficiency as indicated by test scores; however, students are expected to successfully complete three out of four Advanced Level courses before they matriculate to half-time ESL, or to full-time regular University level.

ESLC 051 Basic Grammar and Syntax (4): This is an early developmental English language course leading to the improvement of sentence structure and grammar for non-English speakers. It is an introduction to the basics of the English language, and functions as a catalyst to improve early ESL learners’ skills in English language speaking, listening, reading, and writing. It is designed as a transition course from minimal English skills to beginning levels of English competency.

ESLC 052 Basic Composition (4): This course is a basic ESL composition class for new students of English. At the end of this course, students should have a strong understanding of the elements of composition and the structure of a paragraph. Students will also become acquainted with common academic vocabulary through sentence and paragraph writing, sentence structure exercises, defining exercises, and writing exercises.

ESLC 053 Basic Reading Comprehension and Vocabulary (4): This is an early developmental English language course leading to the improvement of English reading comprehension and vocabulary building for non-English speakers. It is an introduction to the basics of reading in the English language, and it is designed as a transition course from minimal English reading skills to beginning levels of reading competency and comprehension.
ESLC 054 Basic Listening, Conversation, & Pronunciation (4): This is an early developmental English language course leading to the improvement of listening comprehension, pronunciation of English letters and words, and to the smooth communication in English. This course is for non-English speakers. It is an introduction to the basics of the English language, and it is designed as a transition course that takes students from minimal English skills to beginning levels of English competency.

ESLC 050L Lab: Language Lab (0): Required. Lab-based lessons to enhance the learning experience.

ESLC 151 Beginning Grammar and Syntax (4): This is a developmental English language course. It functions as a catalyst to improve beginning ESL learners' English sentence structure and writing skills. This course reinforces grammar with the inclusion of verbal interaction about tangible objects and student-focused actual events and experiences.

ESLC 152 Beginning Composition (4): This is a developmental composition course designed expressly for beginning-level ESL students. Students will learn fundamental sentence and paragraph structure. Writing exercises include vocabulary (through lists and writing context), parts of a sentence, and paragraph construction and organization.

ESLC 153 Beginning Reading Comprehension and Vocabulary (4): This is an early developmental English language course leading to the improvement of English reading speed and comprehension and vocabulary expansion.

ESLC 154 Beginning Listening, Conversation, & Pronunciation (4): This is an introductory listening and conversation course, which assists beginning ESL-students with pronunciation of English vocabulary and idiomatic phrases. This course helps develop listening skills through informal conversations, films, teacher readings, and other out-of-classroom academic and cultural activities.

ESLC 150L Lab: Beginning Language Lab (0): Required. Lab-based lessons to enhance the learning experience.

ESLC 251 Intermediate Grammar and Syntax (4): This course relies on the students' experiences and English grammar to encourage their attainment of grammar rules and structure. Students learn through lectures and exercises in a structured classroom environment where they can exchange ideas, thoughts, opinions, and beliefs while attaining functional grammar usage.

ESLC 252 Intermediate Composition (4): This course is an intermediate ESL composition class. The goal of this course is to improve students' writing abilities through all aspects of the writing process. Students will also gain knowledge of and use skills that promote awareness of drafting, writing, and revising. Students will also gain knowledge of and use skills that promote critical thinking, effective sentence, paragraph, and essay construction and word logic. Courses will also integrate learning and help connect among vocabulary, reading skills, and listening practice to the composing process.

ESLC 253 Intermediate Reading Comprehension and Vocabulary (4): This is an intermediate English language reading class. It will prepare students for reading early college-level material effectively while acquiring academic vocabulary. Specific approaches to reading will include both factual and fictional material effectively while acquiring academic vocabulary. Specific approaches to reading will include both factual and fictional reading. Emphasis is placed on a variety of genres of authentic texts which begin to introduce varying levels of conceptual and/or linguistic complexity.

ESLC 254 Intermediate Listening, Conversation, & Pronunciation (4): This is an intermediate listening comprehension and conversation course for ESL language learners. This course develops listening skills through informal conversations, instructor readings, and recorded listening exercises, and will demonstrate students' understanding of simple academic and social conversations.

ESLC 250L Lab: Intermediate TOEFL Lab (0): Required. Lab-based lessons to enhance the learning experience, in addition to TOEFL practice tests, and test strategies.

ESLC 351 Advanced Grammar and Syntax (4): This course introduces and expands advanced ideas in grammar and syntax which are incorporated with students’ existing abilities in speaking, listening, reading, and writing. Students are introduced to college-level grammatical structures in preparation for successful transition into the mainstream university classroom.

ESLC 352 Advanced Composition (4): This course is an advanced composition class. The goal of this course is to improve students writing abilities through all aspects of the writing process. Students will discuss and practice strategies that provide an awareness of brainstorming, drafting, writing, and revising. Students will also gain knowledge of and use skills that promote critical thinking, effective sentence, paragraph, and essay construction, and word logic. Course will also integrate learning and help connect among vocabulary, reading skills, and listening practice to the composing process.
ESLC 353 Advanced Reading Comprehension and Vocabulary (4): This is an advanced reading class which continues to develop reading and comprehension skills and expand academic vocabulary. It will prepare students for reading college-level material effectively and at higher speeds. Specific approaches to reading will include both factual and fictional reading. Emphasis is placed on a variety of genres of authentic texts which begin to introduce varying levels of conceptual and/or linguistic complexity.

ESLC 354 Advanced Listening, Conversation, & Pronunciation (4): This course continues to develop listening, comprehension and note-taking skills through informal conversations, oral presentations, instructor readings, group discussions, film, audio, and academic classroom dialogue.

ESLC 350L Lab: TOEFL Lab (0): Required. Lab-based lessons to enhance the learning experience for PBT TOEFL preparation. Learning sessions are four days per week, Monday–Thursday.

The following courses do not carry academic credit. They are available to half-time ESL students who register for eight units of ESL courses and a maximum of eight units of regular University coursework.

ESLC 101 Expanded Grammar and Syntax (4): This course introduces and expands advanced ideas in grammar and syntax which are incorporated with students’ existing abilities in speaking, listening, reading, and writing. Students are introduced to college-level grammatical structures in preparation for successful transition into the mainstream university classroom.

ESLC 102 Expanded Composition (4): This course is an advanced ESL composition class. The goal of this course is to improve students’ writing abilities through all aspects of the writing process. Students will discuss and practice strategies that provide an awareness of brainstorming, drafting, writing, and revising. Students will also gain knowledge of and use skills that promote critical thinking, effective sentence, paragraph, and essay construction, and word logic. Course will integrate critical thinking, effective sentence, paragraph, and essay construction, and word logic. Course will also integrate learning and help connect among vocabulary, reading skills, and listening practice to the composing process.

ESLC 103 Expanded Reading Comprehension and Vocabulary (4): This is an advanced reading class, which continues to improve reading and comprehension skills and expand academic vocabulary. It will prepare students for reading college-level material effectively and at higher speeds. Specific approaches to reading will include both factual and fictional reading. Emphasis is placed on a variety of genres of authentic texts which begin to introduce varying levels of conceptual and/or linguistic complexity.

ESLC 104 Expanded Listening, Conversation, & Pronunciation (4): This course continues to develop listening comprehension and note-taking skills through informal conversations, oral presentations, instructor readings, group discussions, film, audio, and academic classroom dialogue.

ESLC 100L Lab: TOEFL Lab (0): Required. Lab-based lessons to enhance the learning experience for PBT TOEFL preparation. Learning sessions are four days per week, Monday–Thursday.

The following ELAC courses are open to all International students. Not all courses are offered each quarter. Note: An additional Division of Continuing Studies ELAC fee applies. Courses are not included in University flat-rate tuition structure.

ELAC 101 Speed Reading for College (1)
ELAC 102 Note-Taking Success in the Classroom (1)
ELAC 103 Understanding California Culture (1)
ELAC 150 Increase Your American Vocabulary (2-4)*
ELAC 151 American Idioms and Slang (2-4)*
ELAC 152 Connotations and Denotations (2-4)*
ELAC 153 American Film (2-4)*
ELAC 201 Oral Presentation Skills (2-4)*
ELAC 202 Job Interviewing Skills (2-4)*
ELAC 250 Communication for Business (1-4)*
ELAC 251 Communication for Medicine (1-4)*
ELAC 252 Communication for Dentistry (1-4)*
ELAC 253 Accent Reduction (1)
College of Arts and Sciences

Adeny Schmidt, PhD, Dean
Nate Brandstater, PhD, Associate Dean

Mission

As a community of Christian scholars, the fundamental purpose of the College of Arts and Sciences is to provide an environment for learning and personal growth that challenges and enables students to develop their intellectual skills, to examine their values, and to mature in character and in Christian commitment. The liberal arts study in which a person may carry on an individual search for truth and value is joined in some disciplines to professional study. The College is a center for the expression of the values of the liberal arts within the University. The College identifies its mission as an academic institution within the larger mission of La Sierra University. In this mission, the College is not only serving the church but this is also one of the ways that the church serves the community. From its graduates is drawn a creative cadre of church workers; its faculty constitute a resource of talent and information to church and society; and its students and faculty form a community for the expression and development of Christian values that ultimately aid in human healing.

Primary objective

The primary objective of the College is the education of Seventh-day Adventist men and women for the fulfillment of the worldwide mission of the church. Some of these men and women will be employed by the church in its professional ministry, educational system, medical services, as well as elsewhere. Many others will participate in the mission of the church by the witness of their lives in personal integrity, generous service, and Christian devotion.

Accordingly, the College provides an explicitly religious context for the encouragement of personal excellence, physical and emotional health, intellectual breadth and depth appropriate to the baccalaureate level, appreciation of the fine arts, responsible social relationships, and unconditional commitment to supreme values. To this end, campus life incorporates study, work, recreation, and worship.

Expression of the mission

Commitment to excellence in scholarship must always be expressed in terms of individual goals and abilities. The College commitment is to provide opportunities for persons of varied backgrounds and abilities to develop their maximum potential. To do this, the University has an Honors Program, with restrictive entrance requirements; programs designed to aid in the development of particular skills necessary to success in college work; and an adult-degree program. For all students, a depth of study in a chosen major is balanced by a broadly based general studies program, as outlined in the University Studies section of this bulletin. College graduates expect to be able to enter professions adequately prepared by the criteria of the licensing board or accrediting association of their discipline or to be prepared to enter the graduate or professional school of their choice. Within the scope of its offerings, the College designs curricula to meet these needs with distinction.

Commitment to Christianity expresses itself in various ways that contribute to the College mission. The quest for truth and understanding essential to liberal education and the College’s sense of purpose from basic Christian convictions can be applied to every discipline. Moreover, a curriculum of deliberately designated religion courses, offered through the Divinity School, is required for every college degree. These courses explore the subjects of faith, Scripture, the church, ethics, and the particular relationship existing between religion and the various disciplines and professions. A variety of religious activities and services are provided as part of the college experience. Worship in the residence halls and in classes, Thursday University Worship, Sabbath church, religious retreats, Christian counselors, and a campus chaplain provide opportunities for religious growth and understanding, and present a context for a campus lifestyle. This Christian orientation is informed throughout by the Seventh-day Adventist life and faith.

In offering opportunity for education, the College draws a majority of its student population from persons of Seventh-day Adventist background, while at the same time recruiting and welcoming persons of other faiths, who acknowledge the values of the education and lifestyle offered. In this, the College does not discriminate in regard to age, gender, ethnic origin, or handicap. Since the church is largely interethnic and international in its scope, the student population enriches campus life with a great variety of cultural backgrounds. The result is a community with a strong central focus and yet with a rich diversity. The University offers an English as a Second Language program to help develop the English language skills for non-native English speakers as well as courses designed to introduce students of other faiths to Seventh-day Adventist thought.

The College expects its citizens to live in harmony with the Seventh-day Adventist lifestyle and support its perspective on education.

Excellence in scholarship and excellence in teaching are joint commitments. It is the objective of the College to employ faculty with the highest qualifications and a commitment to quality instruction and to supply these faculty with an
environment that challenges them to grow professionally.

The College subscribes to the ideals of responsible academic freedom and encourages faculty to engage in research and other professional activity that enriches their expertise and contributes to human knowledge. The College is a center for the liberal arts in a variety of ways, both in the University community and in the larger communities served by the University. The College has an art gallery and a museum of natural history. In addition, it provides major support for art exhibits, musical productions and performances, drama productions, special lectures, and occasional symposia. Contributions to this function are also made by faculty who do scholarly research, edit scholarly journals, act as consultants, perform as artists, and produce works of art.

Organization & Administration

Dean:
The dean is the chief administrative officer of the College and is responsible for its academic program and is assisted by the associate dean. The dean holds a faculty appointment in the College.

Officers:
Officers of the faculty include the dean, who serves as its chair and presides at its general meetings; a faculty moderator, who chairs faculty meetings when faculty policy committees report; a secretary; and a parliamentarian (the latter three officers are elected by the faculty).

Committees:
The College Executive Committee consists of the dean, associate dean, and chairs of the departments of instruction. Administrative committees, in general, are appointed by the dean and/or the College Executive Committee. Policy committees, in general, are elected by the faculty. All committees report to the body or office that appointed them, and in the final analysis are advisory to the dean.

Departments and Programs in the College

The following is a list of departments and programs in the College that offer majors leading to a baccalaureate degree:

Art
Biology
Chemistry and Biochemistry
Criminal Justice
English and Communication
Health and Exercise Science
History, Politics, and Society
Individual Major
Liberal Studies
Mathematics and Computer Science
Music
Physics
Psychology
Social Work
World Languages
Baccalaureate Degrees

The Bachelor of Arts (BA) curriculum is four years of coursework that places a major concentration within the context of a comprehensive liberal education. The Bachelor of Fine Arts (BFA), Bachelor of Music (BMus), Bachelor of Science (BS), and Bachelor of Social Work (BSW) curricula also consist of four years of coursework, with somewhat greater concentration in a major field.

The College of Arts and Sciences offers 13 Bachelor of Arts degrees, 3 Bachelor of Fine Arts degree, a Bachelor of Music degree, 14 Bachelor of Science degrees, and a Bachelor of Social Work degree.

<table>
<thead>
<tr>
<th>BA</th>
<th>BS</th>
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</thead>
<tbody>
<tr>
<td>Art</td>
<td>Biology</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Biochemistry</td>
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<tr>
<td>Communication</td>
<td>Biomathematics</td>
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<tr>
<td>English</td>
<td>Biophysics</td>
</tr>
<tr>
<td>Global Studies</td>
<td>Chemistry</td>
</tr>
<tr>
<td>History</td>
<td>Computer Science</td>
</tr>
<tr>
<td>Individual Major</td>
<td>Criminal Justice</td>
</tr>
<tr>
<td>Liberal Arts</td>
<td>Exercise Science</td>
</tr>
<tr>
<td>Liberal Studies</td>
<td>Health Science</td>
</tr>
<tr>
<td>Music</td>
<td>Information Systems</td>
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<tr>
<td>Psychology</td>
<td>Mathematics</td>
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<tr>
<td>Sociology</td>
<td>Music Technology</td>
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<tr>
<td>Spanish</td>
<td>Neuroscience</td>
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<tr>
<td>BS</td>
<td>Physical Science</td>
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<table>
<thead>
<tr>
<th>BFA</th>
<th>Studio Arts</th>
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</thead>
<tbody>
<tr>
<td>BMus</td>
<td>Music</td>
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<tr>
<td>BSW</td>
<td>Social Work</td>
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</tbody>
</table>

Pre-professional Programs

The college offers coursework to prepare the student for admission to a variety of professional career programs. The programs for which La Sierra University provides such preparation include:

- Pre-Engineering
- Pre-Law
- Pre-Seminary (Pastoral Studies)
- Pre-Health Professions
- Pre-Anesthesiologist Assistant
- Pre-Chiropractic Medicine
- Pre-Clinical Laboratory Science
- Pre-Communicative Sciences and Disorders
- Pre-Cytotechnology
- Pre-Dental Hygiene
- Pre-Dentistry
- Pre-Emergency Medical Care
- Pre-Health Information Management
- Pre-Medical Radiography
- Pre-Medicine
- Pre-Naturopathic Medicine
- Pre-Nursing
- Pre-Nutrition and Dietetics
- Pre-Occupational Therapy
- Pre-Optometry
- Pre-Orthotics and Prosthetics
- Pre-Osteopathic Medicine
- Pre-Pharmacy
- Pre-Physical Therapy
- Pre-Physical Therapy Assistant
- Pre-Physician Assistant
- Pre-Podiatric Medicine
- Pre-Public Health
- Pre-Respiratory Care
- Pre-Veterinary Medicine

Students interested in any of the above professional career programs should, prior to professional program matriculation, communicate with the schools to which they ultimately plan to attend and consult its bulletin for information concerning specific courses to be completed at La Sierra University. For suggested lists of courses, consult pre-professional curriculum sheets available through the Center for Student Academic Success (www.lasierra.edu/csas) and Pre-Health Professions (www.lasierra.edu/prehealth).
Adventist Colleges Abroad

Adventist Colleges Abroad (ACA) is a consortium of Seventh-day Adventist colleges and universities in North America, which grew out of the Year-Abroad program begun by then La Sierra College in 1961. It provides qualified students opportunities for study overseas while completing the requirements of their major programs at their home colleges. The program allows students to immerse themselves in the culture and life of the host country and to become conversant in the language. In addition, students participate in on-site guided field trips of geographic, historic or economic significance. As a result of their experiences abroad, many students have been inspired to return to these countries in positions of service. This program is open to all students, regardless of their major.

General Program Information

The Adventist Colleges Abroad program seeks to provide both the student majoring in language and the general college student the privilege of studying abroad. Students enter this program for three quarters (nine months) beginning in September. To be eligible, the student must be admitted to La Sierra University. Although enrolled overseas, students are registered at this University; are considered in residence; and are eligible for scholarships, loans, and grants offered by the University. Credit earned is recorded each quarter by the Records Office.

Program Prerequisites

The applicant for foreign study need not be a language major. Students whose program can be arranged to allow for one or more elective years within the four-year curriculum have been able to fit in the year abroad by carefully planning the years preceding and following the overseas experience.

Prerequisites for admission to a year of study abroad through ACA are:

1. Admission as a regular student at La Sierra University for the year abroad.
2. Competence in the language (minimum: one year of college or two years of secondary study, except for summer programs).
3. A GPA of 3.00 in the language and 2.50 overall.
4. A good citizenship record.
5. Application to the Records Office using the special ACA form.
6. Ability to meet the financial requirements. Costs, including transportation, are comparable to Adventist colleges and universities in the United States.

7. Attendance at an ACA Orientation meeting, held at La Sierra University.

Application Process

ACA programs are in high demand. Applications from the 12 ACA member institutions are processed on a first-come-first-served basis. Applications are available from the Campus Director of ACA and from the Records Office. Admission to both summer and academic-year programs begins the January prior to program enrollment.

Summer applications should be submitted to the Records Office no later than May 31; academic-year applications are due 30 days before the end of the spring term.

Additional Information

College freshmen with a competence in the language are not specifically excluded from the ACA academic-year programs, but the course of study is usually more beneficial to sophomores and juniors, especially those who plan to major or minor in the language or specialized area of study. Although enrolled on an international campus, students are registered at La Sierra University; are considered in residence at this University; and are eligible for all external grants, loans, scholarships and financial aid offered to students in attendance at La Sierra University. Credit earned abroad is recorded each term in the Records Office.

For further details concerning this program, consult the La Sierra University Campus Director of ACA as well as the Records Office.

Year Abroad Programs

The following institutions are international affiliates of ACA offering academic-year study programs:

Argentina:
Universidad Adventista del Plata, Villa Libertador San Martin (Spanish Language and Latin American Culture)

Austria:
Seminar Schloss Bogenhofen, St. Peter am Hart (German Language and Culture)

Brazil:
Centro Universitário Adventista de São Paulo (Portuguese)
Program in Adventist Colleges Abroad

France:
Centre Universitaire et Pedagogique du Salève, Collonges-sous-Salève (French Language and Culture)

Germany:
Friedensau Adventist University, Friedensau (German Language and Culture)

Italy:
Istituto Avventista Villa Aurora, Florence (Italian Language and Fine Arts)

Spain:
Colegio Adventista de Sagunto, Sagunto (Spanish Language and Culture)

Summer Abroad Programs
In addition to academic-year programs, ACA offers six-week summer terms at the following international study centers:

Austria:
Seminar Schloss Bogenhofen, St. Peter am Hart (German)

Brazil:
Centro Universitário Adventista de São Paulo (Portuguese)

France:
Centre Universitaire et Pedagogique du Salève, Collonges-sous-Salève (French)

Greece:
La Sierra University Study Center, Athens (Intermediate New Testament Greek and Hebrew)

Italy:
Istituto Avventista Villa Aurora, Florence (Italian)

Japan:
Saniku Gakuin College (Japanese)

Mexico:
Universidad Adventista de Montemorelos (Spanish)

Spain:
Colegio Adventista de Sagunto, Sagunto (Spanish)

Thailand:
Asia-Pacific International University, Mission College (Mandarin Chinese)

Ukraine:
Ukrainian Institute of Arts and Sciences, Kiev (Russian)

COURSES
All courses are taught by faculty at the respective schools, on site.

Adventiste du Salève on site in Collonges-sous-Salève, France

LOWER DIVISION
FREN 090 Remedial French (0)
FREN 101 Beginning French (4)
FREN 111 Phonetics (1)
FREN 121 Comprehension and Written Expression (3)
FREN 131 Spelling and Grammar (4)
FREN 151 Elementary Aural Comprehension & Oral Expression (4)
FREN 191 Intensive Elementary French (11)
FREN 201 Intermediate French (3)
FREN 221 Intermediate Composition (3)
FREN 231 Spelling and Grammar (4)
FREN 251 Intermediate Aural Comprehension & Oral Expression (4)
FREN 261 Reading Comprehension (2)
FREN 291 Intensive Intermediate French (9)
FREN 269 Independent Reading (1)
FREN 273 French Fine Arts and Monuments (1)

UPPER DIVISION
FREN 321 Advanced Composition (3)
FREN 331 Advanced Orthography (2)
FREN 341 Advanced Grammar (6)
FREN 351 Advanced Listening Comprehension & Oral Expression (3)
FREN 361 Text Analysis (2)
FREN 349, 449 The French-Speaking World and its Cinema (2, 2)
FREN 369 Independent Reading (1)
FREN 373 French Fine Arts & Monuments (1)
FREN 374 European Institutions (2)
FREN 375 International Institutions (2)
FREN 376 French Civilization (2)
FREN 378, 478 Language Through Drama (2, 2)
FREN 397 Language Through Drama (1)
FREN 412 Document Synthesis & Report Techniques (2)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>FREN 413</td>
<td>Document Synthesis Technique/Literary Commentary</td>
<td>(2)</td>
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<tr>
<td>FREN 421</td>
<td>French Composition</td>
<td>(3)</td>
</tr>
<tr>
<td>FREN 424, 425</td>
<td>Texts in Specialized Language  (2, 2)</td>
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<tr>
<td>FREN 431, 432</td>
<td>Advanced Orthography</td>
<td>(2, 2)</td>
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<tr>
<td>FREN 441</td>
<td>Morphology/Syntax of the Simple Sentence</td>
<td>(4)</td>
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<tr>
<td>FREN 442</td>
<td>Morphology/Syntax of the Complex Sentence</td>
<td>(4)</td>
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<tr>
<td>FREN 451, 452</td>
<td>Listening and Rwording Techniques</td>
<td>(2, 2)</td>
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<tr>
<td>FREN 457, 458</td>
<td>France and its History</td>
<td>(2, 2)</td>
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<tr>
<td>FREN 459, 460</td>
<td>French Institutions</td>
<td>(2, 2)</td>
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<tr>
<td>FREN 461</td>
<td>Advanced Texts Analysis</td>
<td>(3)</td>
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<tr>
<td>FREN 476, 477</td>
<td>Changes in French Society</td>
<td>(2, 2)</td>
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<tr>
<td>FREN 487, 488</td>
<td>French Literature</td>
<td>(2, 2)</td>
</tr>
<tr>
<td>FREN 493</td>
<td>Advanced Oral Competence</td>
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**SUMMER COURSES**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>FREN 102</td>
<td>Beginning French</td>
<td>(3)</td>
</tr>
<tr>
<td>FREN 122</td>
<td>Written Comprehension and Expression</td>
<td>(2)</td>
</tr>
<tr>
<td>FREN 132</td>
<td>Spelling and Grammar</td>
<td>(1)</td>
</tr>
<tr>
<td>FREN 152</td>
<td>Elementary Oral Expression</td>
<td>(3)</td>
</tr>
<tr>
<td>FREN 192</td>
<td>Intensive Elementary French</td>
<td>(6)</td>
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<tr>
<td>FREN 202</td>
<td>Intermediate French</td>
<td>(2)</td>
</tr>
<tr>
<td>FREN 222</td>
<td>Intermediate Composition</td>
<td>(2)</td>
</tr>
<tr>
<td>FREN 232</td>
<td>Spelling and Grammar</td>
<td>(2)</td>
</tr>
<tr>
<td>FREN 252</td>
<td>Intermediate Oral Expression</td>
<td>(2)</td>
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<tr>
<td>FREN 262</td>
<td>Reading Comprehension</td>
<td>(1)</td>
</tr>
<tr>
<td>FREN 292</td>
<td>Intensive Intermediate French</td>
<td>(5)</td>
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<tr>
<td>FREN 322</td>
<td>Advanced Composition</td>
<td>(2)</td>
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<tr>
<td>FREN 332</td>
<td>Orthography</td>
<td>(1)</td>
</tr>
<tr>
<td>FREN 342</td>
<td>Advanced Grammar</td>
<td>(2)</td>
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<tr>
<td>FREN 352</td>
<td>Advanced Oral Expression</td>
<td>(2)</td>
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<tr>
<td>FREN 362</td>
<td>Literary Studies</td>
<td>(2)</td>
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<tr>
<td>FREN 422</td>
<td>Literary Analysis, Summary Techniques</td>
<td>(2)</td>
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<tr>
<td>FREN 462</td>
<td>Advanced Literary Studies</td>
<td>(2)</td>
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</table>

**GRMN 125, 126** Phonetics (2, 2)

**LOWER DIVISION**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>FREN 101, 102, 103</td>
<td>Beginning French  (2, 2, 2)</td>
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<tr>
<td>GRMN 101, 102, 103</td>
<td>Beginning German  (6, 6, 6)</td>
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<tr>
<td>GRMN 105, 106</td>
<td>Business German</td>
<td>(3, 3)</td>
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<tr>
<td>HMCE 105</td>
<td>Vegetarian Cooking and Nutrition</td>
<td>(1.5)</td>
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<tr>
<td>GRMN 110</td>
<td>German in Films</td>
<td>(2)</td>
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<tr>
<td>GRMN 111, 112, 113</td>
<td>Elementary Grammar</td>
<td>(3, 3, 3)</td>
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<tr>
<td>GRMN 121, 122, 123</td>
<td>Elementary Phonetics</td>
<td>(1, 1, 1)</td>
</tr>
<tr>
<td>GRMN 130</td>
<td>Austrian Culture and History</td>
<td>(2)</td>
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<tr>
<td>GRMN 180</td>
<td>Elementary Conversation</td>
<td>(1)</td>
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<tr>
<td>GRMN 181, 182, 183</td>
<td>Elementary Vocabulary</td>
<td>(1, 1, 1)</td>
</tr>
<tr>
<td>FREN 201, 202, 203</td>
<td>Intermediate French</td>
<td>(2, 2, 1)</td>
</tr>
<tr>
<td>GRMN 215, 216, 217</td>
<td>Intermediate Oral Expression (2, 2, 2)</td>
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<tr>
<td>GRMN 211, 212, 213</td>
<td>Intermediate Written Expression (2, 2, 2)</td>
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<tr>
<td>GRMN 221, 222, 223</td>
<td>Intermediate Reading Comprehension (3, 3, 3)</td>
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<tr>
<td>GRMN 227, 228, 229</td>
<td>Intermediate Phonetics   (3, 3, 3)</td>
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**Friedensau Adventist University on site in Friedensau, Germany**

_The units connected to the following courses indicate semester hours._

**LOWER DIVISION**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>GRMN 108, 109</td>
<td>Elementary German  (8, 8)</td>
<td></td>
</tr>
<tr>
<td>GRMN 115, 116</td>
<td>Elementary Oral Expression (6, 6)</td>
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**SEMINAR SCHLOSS BOGENHOFEN ON SITE IN BRAUNAU AM INN, AUSTRIA**

**UPPER DIVISION**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>GRMN 309, 310</td>
<td>Advanced Grammar (2, 2)</td>
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<tr>
<td>GRMN 318, 319</td>
<td>Advanced Comprehensive German (4, 4)</td>
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<tr>
<td>ART 311, 312</td>
<td>Ceramics: Drawing/Handicraft (1, 1)</td>
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<tr>
<td>GRMN 328, 329</td>
<td>Advanced Reading (2, 2)</td>
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<tr>
<td>GRMN 338, 339</td>
<td>Cultural Studies (2, 2)</td>
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<tr>
<td>GRMN 361, 362</td>
<td>Survey of German Literature (2, 2)</td>
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<tr>
<td>HIST 381, 382</td>
<td>German History (2, 2)</td>
<td></td>
</tr>
</tbody>
</table>
### BUAD/GRMN
- **231, 232, 233**: Intermediate Business German (1)
- **235, 236, 237**: Intermediate Listening Comprehension (2, 2, 2)
- **241, 242, 243**: Intermediate Grammar (2, 2, 2)
- **251, 252, 253**: Intermediate Vocabulary (1, 1, 1)
- **254, 255, 256**: Survey of German Literature (2, 2, 2)
- **267, 268, 269**: European Civilization (2, 2, 2)

### GRMN
- **306, 307, 308**: Advanced Oral Expression I (2, 2, 2)
- **310**: German Literature in Films (2)
- **311, 312, 313**: Advanced Written Expression I (2, 2, 2)
- **325, 326, 327**: Advanced Reading Comprehension I (2, 2, 2)
- **335, 336, 337**: Advanced Listening Comprehension I (2, 2, 2)
- **341, 342, 343**: Advanced Grammar I (2, 2, 2)
- **354, 355, 356**: Survey of Advanced German Literature (2, 2, 2)
- **367, 368, 369**: European Civilization (2, 2, 2)
- **381, 382, 383**: Advanced Vocabulary (1, 1, 1)
- **397**: Internship (1)
- **401, 402, 403**: Advanced Business German (2, 2, 2)
- **406, 407, 408**: Advanced Oral Expression II (2, 2, 2)
- **411, 412, 413**: Advanced Written Expression II (2, 2, 2)
- **425, 426, 427**: Advanced Reading Comprehension II (2, 2, 2)
- **435, 436, 437**: Advanced German Listening Comprehension II (2, 2, 2)
- **441, 442, 443**: Advanced Grammar II (2, 2, 2)
- **495**: Independent Study (2-6)

### SUMMER COURSES
- **101, 102, 103**: Beginning German (2, 2, 2)
- **151, 152, 153**: Elementary Oral Expression (1, 1, 1)
- **191, 192, 193**: Intensive German Review (3, 3, 3)
- **201, 202, 203**: Intermediate German (2, 2, 2)
- **251, 252, 253**: Intermediate Oral Expression (1, 1, 1)
- **291, 292, 293**: Intensive German Review II (3, 3, 3)
- **301, 302, 303**: Advanced German (2, 2, 2)
- **351, 352, 353**: Advanced Oral Expression (1, 1, 1)

### Istituto Avventista Villa Aurora on site in Florence, Italy

#### LOWER DIVISION
- **FREN 101, 102, 103**: Beginning French (2, 2, 2)
- **HMCE 102, 103**: Mediterranean Cooking (1, 1)
- **ITLN 111**: Phonetics (1)
- **ITLN 151, 152, 153**: Elementary Grammar (5, 5, 5)
- **ITLN 162**: Elementary Composition (2)
- **ITLN 172, 272**: Italian Fine Arts and Monuments (1, 1)
- **ITLN 181, 182, 183**: Elementary Conversation (3, 3, 3)
- **ITLN 212**: Italian Culture (2)
- **ITLN 230**: History of Italian Art (3)
- **ITLN 251, 252, 253**: Intermediate Grammar (5, 5, 5)
- **ITLN 262**: Intermediate Composition (2)
- **ITLN 278**: Language Through Drama (2)
- **ITLN 281, 282, 283**: Intermediate Conversation (2, 2, 2)

#### UPPER DIVISION
- **ART 351, 352, 353**: Comics and Art (2, 2, 2)
- **ITLN 303**: Italian History (2)
- **ITLN 310**: Geography of Italy (1)
- **ITLN 313**: Advanced Italian Culture (2)
- **ART 322, 333**: Fashion Design (2, 2)
- **ITLN 330**: History of Italian Art (3)
- **ITLN 333**: Italian Literature (2)
- **ART 351, 352, 353**: Advanced Grammar (3, 3, 3)
- **ITLN 350, 352, 353**: Italy and Its Culture in British and American Literature (2)
- **ITLN 361**: Advanced Composition (2)
- **ITLN 370, 470**: History of the Italian Cinema (2, 2)
- **ITLN 372**: Italian Fine Arts and Movements (1)
- **ITLN 375**: History of Italian Music (2)
- **ITLN 378**: Language Through Drama (2)
- **ITLN 380, 480**: Current Events (1, 1)
- **ITLN 381, 382, 383**: Advanced Conversation (2, 2, 2)
- **ART/ITLN 397**: Internship (1)
Program in Adventist Colleges Abroad

**ITLN 399**  Independent Study (1-4)
**ITLN 422, 423**  Translation and Interpretation (2, 2)
**ITLN 431**  Advanced Italian Literature (2)
**ITLN 451**  Advanced Grammar II (3)
**ITLN 461**  Advanced Composition II (2)
**ITLN 471**  Advanced Conversation II (3)

**SUMMER COURSES**
**ITLN 101, 102, 103**  Beginning Italian (2, 2, 2)
**ITLN 131**  Italian Art (3)
**ITLN 191, 192, 193**  Intensive Italian Review (2, 2, 2)
**ITLN 201, 202, 203**  Intermediate Italian (2, 2, 2)
**ITLN 291, 292, 293**  Intensive Italian Review (2, 2, 2)

**Saniku Gakuin College on Site in Tokyo, Japan**

*The units connected to the following courses indicate semester hours.*

**LOWER DIVISION**
**JAPN 101**  Beginning Japanese (2)
**JAPN 121**  Beginning Language Skills (2)
**JAPN 151**  Beginning Oral Expressions (2)
**JAPN 161**  Japanese Culture (2)
**JAPN 201**  Intermediate Japanese (2)
**JAPN 221**  Intermediate Language Skills (2)
**JAPN 251**  Intermediate Oral Expressions (2)
**JAPN 261**  Japanese Culture (2)

**Centro Universitário Adventista de São Paulo on Site in São Paulo, Brazil**

*The units connected to the following courses indicate semester hours.*

**LOWER DIVISION**
**PORT 131, 132**  Phonetics (2, 2)
**PORT 151, 152**  Elementary Portuguese Grammar (3, 3)
**PORT 161, 162**  Elementary Portuguese Composition (3, 3)
**MUPF 171, 172**  Music and Choir (1, 1)
**PORT 171, 172**  Elementary Portuguese Conversation (3, 3)
**PORT 251, 252**  Intermediate Portuguese

**UPPER DIVISION**
**GEOG 321, 322**  Geography of Spain & Europe (2, 2)
**SPAN 312, 313**  Spain and its Culture (2, 2)
**SPAN 315, 316, 317**  History of Spain and Europe (2, 2, 2)
**SPAN 322**  Business Spanish (2)
**ART 331, 332, 333**  History of European Art (2, 2, 2)
**SPAN 331, 332, 333**  History of Spanish Literature (2, 2, 2)
**SPAN 341, 342, 343**  Preparation for the Spanish Diploma DELEDBE (1, 1, 1)
**SPAN 351, 352, 353**  Advanced Spanish Grammar I (4, 4, 4)
**SPAN 361, 362, 363**  Advanced Spanish Composition I (3, 3, 3)
**SPAN 371, 372, 373**  Advanced Spanish Conversation (4, 4, 4)

**Upper Division Courses**

**PORT 261, 262**  Intermediate Portuguese Composition (3, 3)
**PORT 271, 272**  Intermediate Portuguese Conversation (3, 3)

**UPPER DIVISION**
**PORT 301**  Folklore of Brazil (3)
*This course is a continuation of PORT 300*
**PORT 331**  Brazilian Literature (3)
*This course is a continuation of PORT 300*

**Colegio Adventista de Sagunto on site in Sagunto, Spain**

**LOWER DIVISION**
**SPAN 201, 202, 203**  Spanish Folklore (2, 2, 2)
**SPAN 225**  Spanish in Contemporary Music (1)
**SPAN 228**  Spanish and European Movies (1)
**SPAN 241, 242, 243**  Preparation for the Spanish Diploma D.E.L.E.C.I.E. (1, 1, 1)
**SPAN 251, 252, 253**  Intermediate Spanish Grammar (4, 4, 4)
**SPAN 261, 262, 26**  Intermediate Spanish Composition (3, 3, 3)
**SPAN 271, 272, 273**  Intermediate Spanish Conversation (4, 4, 4)
**SPAN 281, 282, 283**  Current Events in Spain (1, 1, 1)
**MUPF/SPAN/ART 285, 286, 287**  Flamenco (2, 2, 2)

**UPPER DIVISION**
**GEOG 321, 322**  Geography of Spain & Europe (2, 2)
**SPAN 312, 313**  Spain and its Culture (2, 2)
**SPAN 315, 316, 317**  History of Spain and Europe (2, 2, 2)
**SPAN 322**  Business Spanish (2)
**ART 331, 332, 333**  History of European Art (2, 2, 2)
**SPAN 331, 332, 333**  History of Spanish Literature (2, 2, 2)
**SPAN 341, 342, 343**  Preparation for the Spanish Diploma DELEDBE (1, 1, 1)
**SPAN 351, 352, 353**  Advanced Spanish Grammar I (4, 4, 4)
**SPAN 361, 362, 363**  Advanced Spanish Composition I (3, 3, 3)
**SPAN 371, 372, 373**  Advanced Spanish Conversation (4, 4, 4)
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 375</td>
<td>Spanish for Health Professionals</td>
<td>(2)</td>
</tr>
<tr>
<td>SPAN 421, 422, 423</td>
<td>Translation and Interpretation I, II</td>
<td>(2, 2, 2)</td>
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<tr>
<td>SPAN 441, 442, 443</td>
<td>Preparation for the Spanish Diploma DELEDSE</td>
<td>(1, 1, 1)</td>
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<tr>
<td>SPAN 451, 452, 453</td>
<td>Advanced Spanish Grammar II</td>
<td>(4, 4, 4)</td>
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<td>SPAN 461, 462, 463</td>
<td>Advanced Spanish Composition II</td>
<td>(3, 3, 3)</td>
</tr>
<tr>
<td>SPAN 471, 472, 473</td>
<td>Advanced Spanish Conversation II</td>
<td>(4, 4, 4)</td>
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<tr>
<td>SPAN 495</td>
<td>Independent Study</td>
<td>(1-4)</td>
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<tr>
<td>SUMMER COURSES</td>
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<tr>
<td>SPAN 101, 102, 103</td>
<td>Beginning Spanish</td>
<td>(3, 3, 3)</td>
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<tr>
<td>SPAN 191, 192, 193</td>
<td>Intensive Spanish Review</td>
<td>(3, 3, 3)</td>
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<tr>
<td>SPAN 211, 212, 213</td>
<td>Intermediate Spanish</td>
<td>(3, 3, 3)</td>
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<tr>
<td>SPAN 291, 292, 293</td>
<td>Intensive Spanish Review II</td>
<td>(3, 3, 3)</td>
</tr>
<tr>
<td>SPAN 311</td>
<td>Spain and its Culture</td>
<td>(2)</td>
</tr>
<tr>
<td>SPAN 350</td>
<td>Advanced Spanish Grammar I</td>
<td>(3)</td>
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<tr>
<td>SPAN 360</td>
<td>Advanced Spanish Composition I</td>
<td>(2)</td>
</tr>
<tr>
<td>SPAN 370</td>
<td>Advanced Spanish Conversation I</td>
<td>(2)</td>
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<tr>
<td>SPAN 397</td>
<td>Internship</td>
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<tr>
<td>SPAN 422, 423</td>
<td>Translation and Interpretation</td>
<td>(2, 2)</td>
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<tr>
<td>SPAN 332, 333</td>
<td>Latin American Literature</td>
<td>(2, 2)</td>
</tr>
<tr>
<td>SPAN/HIST 345, 346</td>
<td>History of Argentina</td>
<td>(2, 2)</td>
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<tr>
<td>SPAN 351, 352, 353</td>
<td>Advanced Spanish Grammar I</td>
<td>(4, 4, 4)</td>
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<tr>
<td>SPAN 361, 362, 363</td>
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<td>(2, 2, 2)</td>
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<tr>
<td>SPAN 371, 372, 373</td>
<td>Advanced Spanish Conversation I</td>
<td>(2, 2, 2)</td>
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<tr>
<td>SPAN 381, 382</td>
<td>Current Events in South America</td>
<td>(1, 1)</td>
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<tr>
<td>SPAN 422, 423</td>
<td>Translation and Interpretation</td>
<td>(2, 2)</td>
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<td>Advanced Spanish Conversation II</td>
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<tr>
<td>SPAN 495</td>
<td>Independent Study</td>
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</tbody>
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**Universidad Adventista del Plata on site in Villa Libertador San Martin, Argentina**

**LOWER DIVISION**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SPAN 205</td>
<td>Geography of Latin America</td>
<td>(2)</td>
</tr>
<tr>
<td>SPAN 232</td>
<td>Phonetics</td>
<td>(2)</td>
</tr>
<tr>
<td>SPAN 240</td>
<td>Orthography</td>
<td>(2)</td>
</tr>
<tr>
<td>SPAN 251, 252, 253</td>
<td>Intermediate Spanish Grammar</td>
<td>(4, 4, 4)</td>
</tr>
<tr>
<td>SPAN 261, 262, 263</td>
<td>Intermediate Spanish Composition</td>
<td>(2, 2, 2)</td>
</tr>
<tr>
<td>SPAN 271, 272, 273</td>
<td>Intermediate Spanish Conversation</td>
<td>(2, 2, 2)</td>
</tr>
<tr>
<td>SPAN 293</td>
<td>Language through Drama</td>
<td>(1)</td>
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</table>

**UPPER DIVISION**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>SPAN 301, 302, 303</td>
<td>Folklore of Argentina</td>
<td>(2, 2, 2)</td>
</tr>
<tr>
<td>SPAN 306</td>
<td>Geography of Latin America</td>
<td>(2)</td>
</tr>
<tr>
<td>SPAN 316, 317</td>
<td>Latin American History</td>
<td>(2, 2)</td>
</tr>
<tr>
<td>SPAN 326-327</td>
<td>Translation and Interpretation</td>
<td>(2, 2)</td>
</tr>
</tbody>
</table>
Additional Courses

Adeny Schmidt, PhD, Dean
Nate Brandstater, PhD, Associate Dean

COURSES

Pre-Graduate/Pre-Professional

LOWER DIVISION

**DENT 103 Introduction to Dentistry (2):** This course is designed to introduce students to the facets of dentistry and the challenges awaiting them. Students will have the opportunity to interact with dental specialists who will give guest presentations. Included is discussion of preparation for the DAT exam, dental school application, financial issues, personal issues, and other relevant topics.

**GRAD 204 Introduction to Graduate School (1):** Varying topics and issues relevant to attending graduate school, including techniques for review and selection, the application process, and financial aid resources. **Prerequisite:** At least sophomore standing

**LBST 105 Seminar in Multiple Subject Matter for Teaching Credential (0.5):** First of two cornerstone courses for the Liberal Studies major for multiple subject matter program. Focus is on introduction to the portfolio requirements including dialogue and analysis of introductory classroom experiences.

**LBST 205 Seminar in Multiple Subject Matter for Teaching Credential (0.5):** Second of two cornerstone courses for the Liberal Studies major for multiple subject matter program. Focus is on the multiple subject matter portfolio requirements including dialogue and analysis of introductory classroom experiences.

**MDCN 204 Introduction to Medicine (2):** This course is designed to introduce students to the facets of medicine and the challenges awaiting them. Students will have the opportunity to interact with medical specialists who will give guest presentations. Included in the course is preparation for the MCAT exam, and discussion of medical school application, financial issues, personal issues, and other relevant topics.

**SPPA 284 Introduction to Speech-Language Pathology and Audiology (3):** Introduction to major types of disorders including terminology, etiology, and diagnosis/treatment. This is a survey course for pre-Speech-Language Pathology and Audiology majors, prospective teachers, and others who may interact with individuals having speech-language or hearing disorders.

UPPER DIVISION

**MDCN 385 Seminar - Preparation for Medical School (0.5):** Information and procedures relevant to medical school application. **Prerequisite:** At least junior standing

**Child Development**

*A concentration in child development is one of the options in the Liberal Studies major. Courses are offered alternate years.*

LOWER DIVISION

**CFSC 264 Foundations in Child Development (4):** Topics include social-emotional behavior and development of children, health and safety issues, children with special needs, effective methods of working with children and parents, historical and theoretical perspectives of child development advocacy, and ethical and legal issues related to children. Laboratories are included as part of this course.

**CFSC 265 Developing Creativity in Children (4):** Facilitation of the child's natural creative development and expression through various creative modalities, including art, music, movement, play, drama, and language. Laboratories are included as part of this course.

**CFSC 266 Learning Experiences for Young Children (4):** Planning learning environments for young children; facilitating learning experiences for children in areas that include language arts, science, math, music, social studies, religion, and cooking for preschool children. Laboratories are included as part of this course.

**CFSC 267 Learning Environments for Infants and Toddlers (4):** Planning the infant/toddler environment and curriculum, study of state regulations, developmentally appropriate practice and health issues. Observation and laboratory interaction included as part of the course at centers away from campus.

UPPER DIVISION

**CFSC 405 Children and Stress (2):** Developmental and situational life crises as they relate to the dynamics of stress in the lives of children and families.

**CFSC 486 Contemporary Parenting (4):** Course includes analysis of current theories and patterns of child rearing and parenting skills related to the holistic development of the young child and exploration of contemporary issues in child-rearing.
**CFSC 488 Seminar in Child Development (2-4):** Variable content based on the needs and interests of child development students and faculty. May be repeated with new content for additional credits.

**Geology**

**UPPER DIVISION**

**GEOL 314 Earth Science (4):** An introductory geology course providing the student with a broad picture of geological processes operating on and within the earth. Includes an introduction to minerals, sedimentary and igneous rocks, and fossils. Processes such as weathering, earthquakes, volcanism, erosion and sedimentation, and mountain building are presented. Sunday labs and off campus field exercises required.

**GEOL 316 Earth and Space Science (4):** Earth and Space Science is designed to acquaint the student with a practical introduction to the earth and the universe. Specific focus is on the solar system and the universe, the structure and composition of the earth, the earth's atmosphere, and the earth's water. Sunday labs and off campus field exercises required.
Department of Art

Department Faculty

Beatriz Mejia-Krumbein, Chair
Professor of Art (1997)
MFA James Madison University 1996
Painting, drawing, contemporary art

Timothy Musso
Assistant Professor of Art (2008)
MFA California State University, Long Beach 2007
Design, typography, printmaking, history of graphic design

Susan D. Patt
Associate Professor of Art (1979)
MEd Miami University 1976
Textiles and fibers, drawing, book arts, art appreciation

Terrill Thomas
Assistant Professor of Art (2001)
BFA Art Center College of Design 1992
Interactive design

Collaborating Faculty

Susan Elizalde-Holler
MFA California State University, Fullerton 2000
Ceramics, sculpture

Claudette Goux
MA University of California, Riverside 2005
Art history

Preparation for teaching

Students interested in learning more about the preparation involved for teaching at the elementary and secondary levels, should refer to the Department of Curriculum and Instruction section in this bulletin.

Mission

In context with the University's mission: “To Seek, To Know, To Serve,” the Department of Art expects students to be transformed into artistically trained and skilled graduates, ones who are socially aware and ready to contribute to society through a trans-disciplinary university experience. Regarding specific learning outcomes, we expect our graduates:

1. To have a solid foundation in color theory, visual design, and contemporary digital media.
2. To grow in their spiritual awareness and social awareness.
3. To expand the awareness and appreciation of the history, culture, and individuals that produced art throughout history.
4. To increase interdisciplinary collaboration.

Art Department Learning Outcomes

The Art Department has the following core learning outcomes:

Introductory Level:

1. Students begin to practice technical skills.
2. Students practice effective use of elements and principles of design.
3. Students practice and understand effective use of the theory of color.
4. Students practice basic skills of contemporary digital media.
5. Students begin to apply critical thinking and develop the skills to visualize concepts.

Intermediate Level:

1. Students begin to identify and analyze works of art, start to articulate their own work, and respond to the work of others.
2. Students produce art work in a variety of media that demonstrate a developing quality.
3. Students demonstrate sensibility to media.
4. Students demonstrate a sense of inventiveness or creativity and a willingness to explore and experiment.
5. Students can use appropriate technology tools.

Degrees offered

- Bachelor of Arts degree in Art
- Bachelor of Fine Arts degree in Studio Art, with two optional areas of emphasis: Fine Art or Graphic Design
- Minor in Art

The non-art major may elect to take art courses for personal enrichment and to fulfill general education requirements. These include courses in art appreciation, art history, and a variety of studio courses offering experiences in the creative process and art making.
Students Graduating with an Art Major:

1. Students demonstrate awareness and appreciation of the history, culture, and individuals that produced art throughout art history.
2. Students demonstrate clear writing skills. They can support an argument and present evidence through quotation, paraphrase, or other means. They can also write clear artist statements.
3. Students plan and install an exhibit of their original work (senior exhibit).

Students Graduating with a BA in Art:

1. Students apply skills and concepts to create a unique work exhibit.
2. Students can describe the major factors that influenced the development of art history.
3. Students demonstrate visual literacy.
4. Students critique, both in written and oral form, their own work, work of their peers, and other works of art in social context.

Students Graduating with a BFA in Fine Arts:

1. Students produce a research-based senior project, with a high quality of work, presented in a professional manner.
2. Students demonstrate proficiency in a variety of techniques and working methods.
3. Students demonstrate a high level ability to analyze and interpret art forms.
4. Students demonstrate a personal style and produce a cohesive body of work.
5. Students produce a professional portfolio to apply to graduate school or for gallery representation.

Students Graduating with a BFA in Graphic Design:

1. Students produce a professional portfolio to apply to graduate school or for employment.
2. Students successfully finish a graphic design-related internship.
3. Students are visually literate and understand the visual culture.
4. Students develop effective visual communication.
5. Students demonstrate a knowledge of digital technology.
6. Students are able to understand and to prepare for responding to future technological changes.

MAJORS

Core Curriculum: (48 units) Required of all students majoring in the Department of Art

Required:

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ARTA 205</td>
<td>The Language of Art</td>
</tr>
<tr>
<td>ARTA 309</td>
<td>Art History: Baroque through Modern</td>
</tr>
<tr>
<td>ARTS 115</td>
<td>Design Principles</td>
</tr>
<tr>
<td>ARTS 116</td>
<td>Color for Artists &amp; Designers</td>
</tr>
<tr>
<td>ARTS 117</td>
<td>Creative Visual Thinking</td>
</tr>
<tr>
<td>ARTS 194</td>
<td>Photoshop &amp; Illustrator Image Creation</td>
</tr>
<tr>
<td>ARTS 234</td>
<td>Painting</td>
</tr>
<tr>
<td>ARTS 254</td>
<td>Printmaking</td>
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<tr>
<td>ARTS 255</td>
<td>Photography</td>
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</tbody>
</table>

12 units of drawing to include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 224</td>
<td>Drawing</td>
</tr>
<tr>
<td>ARTS 324A</td>
<td>Drawing Workshops: Structure</td>
</tr>
<tr>
<td>ARTS 324B</td>
<td>Drawing Workshops: Figure</td>
</tr>
</tbody>
</table>

Bachelor of Arts

ART

Required: 75 units in art, including:

- Core curriculum
- 8 units in studio area of concentration (beyond introductory class)
- 6 units of studio electives
- The following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ARTA 308</td>
<td>Art History: Ancient through Renaissance</td>
</tr>
<tr>
<td>ARTA 408A</td>
<td>Contemporary Art Issues</td>
</tr>
<tr>
<td>ARTS 274</td>
<td>Ceramics: -OR-</td>
</tr>
<tr>
<td>ARTS 284</td>
<td>Sculpture</td>
</tr>
<tr>
<td>ARTX 486B</td>
<td>Senior Exhibit</td>
</tr>
</tbody>
</table>

Bachelor of Fine Arts

FINE ART

BFA fine art candidates must choose a primary area of concentration from: Painting, Ceramics, Printmaking, and Textiles. The secondary emphasis may be chosen from Painting, Ceramics, Printmaking, Textiles, Drawing, Photography, Sculpture, or Graphic Design.

Required: 103 units in art, including:

- Core Curriculum
- 12 upper division units of primary studio emphasis
- 8 units of secondary studio emphasis
- 8 units of studio electives
- The following courses:
<table>
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<tbody>
<tr>
<td>ARTA 308</td>
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</tr>
<tr>
<td>ARTA 408A</td>
<td>Contemporary Art Issues</td>
</tr>
<tr>
<td>ARTS 274</td>
<td>Ceramics (4 units)</td>
</tr>
<tr>
<td>ARTS 284</td>
<td>Sculpture (4 units)</td>
</tr>
<tr>
<td>ARTS 314</td>
<td>Three Dimensional Design</td>
</tr>
<tr>
<td>ARTX 486A</td>
<td>Professional Practices</td>
</tr>
<tr>
<td>ARTX 486B</td>
<td>Senior Exhibit</td>
</tr>
<tr>
<td>ARTX 495</td>
<td>Senior Project (6 units)</td>
</tr>
</tbody>
</table>

**GRAPHIC DESIGN**

Required: 103 units in art, including:

- Core Curriculum
- 8 units of studio electives
- The following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ARTA 408B</td>
<td>History of Graphic Design</td>
</tr>
<tr>
<td>ARTS 248</td>
<td>Introduction to Graphic Design</td>
</tr>
<tr>
<td>ARTS 266</td>
<td>Handmade Books</td>
</tr>
<tr>
<td>ARTS 314</td>
<td>Three Dimensional Design</td>
</tr>
<tr>
<td>ARTS 344</td>
<td>Typography</td>
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<tr>
<td>ARTS 345A</td>
<td>Packaging</td>
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<tr>
<td>ARTS 345B</td>
<td>Publication Design</td>
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<tr>
<td>ARTS 394C</td>
<td>Multimedia, 3D, &amp; Video: Flash Interface Design</td>
</tr>
<tr>
<td>ARTS 395A</td>
<td>Web Design: Communication Principles</td>
</tr>
<tr>
<td>ARTX 486A</td>
<td>Professional Practices</td>
</tr>
<tr>
<td>ARTX 486B</td>
<td>Senior Exhibit</td>
</tr>
<tr>
<td>ARTX 497</td>
<td>Internship (6 units)</td>
</tr>
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</table>

**MINOR**

**ART**

Required: 30 units (4 upper division) in art, including:

- Remaining 14 units selected in consultation with department advisor.
- The following courses:

<table>
<thead>
<tr>
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<tbody>
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<td>ARTA 205</td>
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<tr>
<td>ARTA 308</td>
<td>Art History: Ancient through Renaissance; -OR-</td>
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<tr>
<td>ARTA 309</td>
<td>Art History; Baroque through Modern</td>
</tr>
<tr>
<td>ARTS 115</td>
<td>Design Principles</td>
</tr>
<tr>
<td>ARTS 116</td>
<td>Color for Artists and Designers</td>
</tr>
<tr>
<td>ARTS 224</td>
<td>Drawing (4 units)</td>
</tr>
</tbody>
</table>

**COURSES**

A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.

**Art Appreciation & History**

**LOWER DIVISION**

**ARTA 205 The Language of Art (4):** Basic concepts, materials, and history of the visual arts which will enable the student to develop an art vocabulary and aesthetic judgment to enhance the appreciation of various art forms.

**UPPER DIVISION**

**ARTA 308 Art History: Ancient through Renaissance (4):** Chronological study of art in Western cultures from the prehistoric cave paintings of Lascaux through the Renaissance with an introduction to the art of non-Western cultures.

**ARTA 309 Art History: Baroque through Modern (4):** Continuation of chronological study of art in Western cultures from the Baroque period through the Modern era.

**ARTA 408 Topics in Art History (2-4):** Period and/or topical studies in art history. May be repeated for additional credit with new content.

**ARTA 408A Contemporary Art Issues (4):** Exploration of the drastic shift in thinking of artists and art movements in the contemporary world: from style and formalism, to social relevance and content. **Prerequisite: ARTA 205 & 309**

**ARTA 408B History of Graphic Design (4):** Thematic exploration of how graphic design effects everyday life and how visual messages (good or bad) shape our culture and seep into our collective conscious. Emphasis on systematic progressions, techniques, design innovations, social, political, and technological influences. **Prerequisite: ARTS 344**

**Ceramics**

**LOWER DIVISION**

**ARTS 274 Ceramics**

**274A Wheel Throwing (4):** Introduction to the process of wheel throwing, glazing, and firing.

**274B Hand-building (4):** Introduction to the process of hand-building to include pinch, slab, and coil construction in addition to glazing and firing.
UPPER DIVISION

ARTS 374 Ceramics Workshop (2-4): Various aesthetic and technical topics explored, such as surface decoration, form, clay and glaze calculation, kiln building. Topics change from quarter to quarter. May be repeated for additional credit. Prerequisite: ARTS 274

Design

LOWER DIVISION

ARTS 115 Design Principles (4): Conceptually affective application and appreciation of the elements and principles of design. Emphasis placed on line, form, color, and texture as created and manipulated according to design principles on a two-dimensional surface.

ARTS 116 Color for Artists & Designers (4): The study of color as an element of design to include the physics of color, practical applications and communication through color. Understanding the aspects of color and how humans perceive it are two key objectives of this class.

ARTS 117 Creative Visual Thinking (4): The exploration of art as a tool for communication and creative problem solving. Emphasis is placed on the creative process, conceptual thinking, skill development, craftsmanship, and personal expression. Prerequisite: ARTS 115

UPPER DIVISION

ARTS 314 Three Dimensional Design (4): Conceptually affective application and appreciation of the elements and principles of design. Emphasis placed on line, form, color, and texture as created and manipulated according to design principles on a three-dimensional surface. Prerequisites: ARTS 115, 116 & 117

Drawing

LOWER DIVISION

ARTS 224 Drawing (4): A sequence of exercises that develops confidence in the ability to see and draw representationally and expressively. Emphasis on line, shape (both positive and negative), and value utilizing traditional drawing media.

UPPER DIVISION

ARTS 324 Drawing Workshops: Development of representational skills and subjective expression using both traditional and non-traditional drawing media. Emphasis changes from quarter to quarter.

324A Structure (2-4): Building on a foundation in drawing skills through observation with a two-part focus: both light and shade (value) and linear perspective. Emphasis on strong composition through expressive and descriptive qualities of line, value, space, and texture. Prerequisite: ARTS 224

324B Figure (2-4): Introduction to the human figure as historically traditional subject matter, as well as an important component in self-expression. Covers the human structure, the skeleton, the muscles, gesture, proportion, foreshortening, and composition. Prerequisite: ARTS 224. Restriction: Only open to junior and senior art majors

324C Special Projects (2-4): Faculty and students, in collaboration, create a special topic in drawing. May be repeated for additional credit. Prerequisite: ARTS 224

Fibers and Fabrics

LOWER DIVISION

ARTS 264 Images on Fabric (4): The exploration of a wide range of both traditional and contemporary surface design techniques including dye and pigment application, screen printing, and surface embellishments. Emphasis on strong composition by applying the elements and principles of design to image, pattern, and surface texture.

ARTS 265 Weaving (4): Introduction to the processes of hand and loom weaving. Through the weaving of samplers and a range of projects, students gain experience designing and producing cloth for a variety of uses.

ARTS 266 Handmade Books (4): Stretching the conceptual and aesthetic boundaries of the book as a structure for creative expression and visual communication. Students develop basic bookmaking skills through the production of one-of-a-kind books.

UPPER DIVISION

ARTS 364A Images on Fabric Workshop: Textile Dyeing (2-4): Continued exploration of design concepts and dye processes with fiber-reactive dyes using resist processes, batik, discharge and/or direct dye. Emphasis on mastery of skill and development of personal style. Prerequisite: ARTS 264

ARTS 364B Images on Fabric Workshop: Painting and Printing (2-4): Continued exploration of design concepts and processes for application of pattern or imagery on fabric using direct pigment, stamping and/or screen printing. Emphasis on mastery of skill and development of personal style. Prerequisite: ARTS 264

ARTS 364C Images on Fabric Workshop: Art Quilts (2-4): Exploration of the quilt as a contemporary art form using traditional or contemporary techniques of piecing, quilting and surface embellishment with commercial and/or original fabrics. Emphasis on mastery of skill and development of personal style. Prerequisite: ARTS 264
ARTS 364D Images on Fabric Workshop: Sculptural Forms (2-4): Creation of three-dimensional forms using dye and pigment on original fabrics. Emphasis on mastery of skill and personal style. Prerequisite: ARTS 264

ARTS 365A Weaving Workshop: Loom Weaving (2-4): Continued exploration design concepts and processes of loom-controlled weaving including rigid heddle and multi-harness pattern weaving. Emphasis on mastery of skill and development of personal style. Prerequisite: ARTS 265


ARTS 365C Weaving Workshop: Tapestry (2-4): Continued exploration design concepts and processes in tapestry weaving. Emphasis on mastery of skill and development of personal style. Prerequisite: ARTS 265

ARTS 365D Weaving Workshop: Warp/Weft Painting (2-4): Continued exploration design concepts and processes involved in manipulation of woven fabric through dyeing such as ikat and warp/weft painting. Emphasis on mastery of skill and development of personal style. Prerequisite: ARTS 265

ARTS 366A Handmade Books Workshop: Book Editions (2-4): The creation of book editions culminating with the production of a minimum of one edition of ten books complete with identical content and structure. Emphasis on mastery of skill, concept development and personal style. Prerequisite: ARTS 266

ARTS 366B Handmade Books Workshop: Moveable Books (2-4): Exploration of a variety of moveable book formats such as accordion, maze, tunnel and/or carousel structures as well as books as sculpture. Emphasis on mastery of skill, concept development and personal style. Prerequisite: ARTS 266

ARTS 366C Handmade Books Workshop: Sculptural Books (2-4): A focus on the book as three-dimensional art object including altered and re-purposed books. Emphasis on mastery of skill, concept development and personal style. Prerequisite: ARTS 266

ARTS 366D Handmade Books Workshop: Artist’s Books (2-4): The visual, textual, sculptural, traditional or experimental form of Artist’s Books with a primary focus on connecting ideas and structure, binding style and text and/or image. Emphasis on mastery of skill, concept development and personal style. Prerequisite: ARTS 266

Graphic Design and Illustration

LOWER DIVISION

ARTS 194 Photoshop and Illustrator Image Creation (4): Learn the foundational skills needed to create believable photo compositions through Photoshop editing, and the digital drawing skills needed for logo creation, text manipulation, and poster design. Topics include photo compositing, image correction, and preparing images for professional print publication and web graphics.

ARTS 248 Introduction to Graphic Design (4): An introduction to the business of graphic design and the professional options it offers. The course makes a transition from design theory to design application as it relates to the development of effective visual communications. Projects take the student from utilization of basic skills through design of print communication pieces. Design principles, design with letterforms, formal development processes, and the use of digital media in the preparation of comprehensive layouts are covered, along with a focus on intelligent creativity, morality, and awareness of contemporary society. Prerequisites: ARTS 115, 116 & 194 or 194B

UPPER DIVISION

ARTS 344 Typography (4): An introduction to the beauty and function of letterforms and their interaction with other graphic elements (photography, illustration, surface) in printed and electronic media. Type readability and legibility, expressiveness and “personality” are explored in design projects developed to encourage creativity, and to give students design experiences which mirror those they will likely encounter professionally. Prerequisite: ARTS 115, 116, 194 or 194B, & 248

ARTS 345 Visual Communication Design: A series of courses offered on a rotating basis, focused on the development of goal-oriented creativity applied to the design of variety of visual communication media. (Publication, advertising, packaging, environmental, corporate identity/logo design, etc). Courses give students practical experiences in professional approaches to graphic design and opportunities for development of advanced computer skills and software knowledge for effective visualization and production of visual concepts.

ARTS 345A Packaging (4): What makes a product stand out on a crowded shelf? This course provides a broad overview of essential packaging design basics with continued exploration of print design. Students can expect to develop portfolio projects including process books. Prerequisites: ARTS 194 or 194B, 248 & 344

ARTS 345B Publication Design (4): Take a magazine idea through concept development, logo design, branding, print production and print. Course projects are based on real world print production practices currently in use. Discover how to extend the print magazine into the online space through social media integration. Prerequisites: ARTS 194 or 194B, 248 & 344
ARTS 346 Illustration: Intensive and experimental use of color media based on direct observation of still life and live model. May be repeated for additional credit.

346A Introduction to Illustration (2-4): Techniques utilized in editorial and commercial work.

346B Advanced Illustration Techniques (2-4): Communication of an idea or story through traditional and digital media. Prerequisite: ARTS 224

ARTS 394 Multimedia, 3D, and Video (4): A series of project-based courses designed to introduce students to the latest digital tools used in Multimedia, 3D, and Video. Each course focuses on conceptual development, technical training, and a deep understanding of the principles in each medium.

ARTS 394A 3D Modeling (2-4): An introductory course to working in 3-Dimensional space and time using Maya. Projects cover nurb and polygon modeling, texturing, lighting, camera, and special effects. Final project consists of creating an animated 3-Dimensional city.

ARTS 394B 3D Character Design (2-4): An advance course in 3D modeling with an emphasis on character design and animation. Projects include creating skeleton joins, binding skin, organic modeling and character controls. Character-driven final project will integrate audio. Prerequisite: ARTS 394A

ARTS 394C Flash Interface Design (4): An advanced Flash course with a focus on developing intuitive multimedia presentations and nonlinear animations. Topics include using variables in actionscript, encoding video using flash, dynamic menus, preloaders, and working with external assets. Prerequisite: ARTS 194 or 194B

ARTS 394D Final Cut Pro Video (4): Introductory course to video editing and visual storytelling with an emphasis on concept development and understanding visual language, time, and space. Projects consist of short shooting exercises such as documenting a person, place, or event.

ARTS 395 Web Design: A study of processes and principles of information design in an online environment. Courses will focus on proven methodologies to develop intuitive interactive environments optimized for a target audience. Advanced elements explored include user interface design, navigation, usability testing and effective sequencing of images and text.

395A Communication Principles (4): An introduction to professional web design tools using modern CSS and HTML to create search engine friendly websites. Projects include setting up one's own web domain, installing and customizing blogs, and embedding Flash and Video into one's websites. Prerequisites: ARTS 115, 116, 194 & 244B

395B Advanced Concepts (4): A study of professional web design practices including estimating projects, interacting with clients, and project workflow. Projects focus on developing the user interface, customized CSS styles, Flash navigation, and installing customized scripts. Prerequisites: ARTS 115, 116, 194 & 248

395C Special Project (4): Faculty and students, in collaboration, create a special topic in web design. Prerequisites: ARTS 115, 116, 194 & 248

Painting

LOWER DIVISION

ARTS 234 Painting (4): The study, practice, and development of skills necessary to create two-dimensional art work using a variety of media such as watercolor, acrylic, and oil paint. Prerequisites: ARTS 224

ARTS 234B 3D Character Design (2-4): An advance course in 3D modeling with an emphasis on character design and animation. Projects include creating skeleton joins, binding skin, organic modeling and character controls. Character-driven final project will integrate audio. Prerequisite: ARTS 394A

ARTS 334A Workshop in Painting: Acrylic and Texture (2-4): This course will continue exploration with the acrylic media. Emphasis will be on mastery of skills and development of personal style. Prerequisite: ARTS 234

ARTS 334B Workshop in Painting: Painting with Oil (2-4): This course will continue exploration of painting using oil media with emphasis on the human figure. Special attention will be given to mastery of skills and development of personal style. Prerequisite: ARTS 224, 234, and 324B

ARTS 334C Workshop in Painting: Watercolor (2-4): This course will continue exploration of painting using watercolor in a classic and contemporary approach. Emphasis will be upon a mastery of skills and development of personal style. Prerequisite: ARTS 224, & 234

ARTS 334D Workshop in Painting: Mixed Media (2-4): This course will explore painting using a variety of mixed media including Monotype, digital, and scenic and stage painting. The end product will include installations, and 3-dimensional explorations. Emphasis will be upon mastery of skills and development of personal style. Prerequisite: ARTS 224 & 234

Photography

LOWER DIVISION

ARTS 255 Photography (4): Introduction to digital editing and manipulation and fine printing techniques.

UPPER DIVISION

ARTS 355 Photography Workshop (2-4): An introduction to traditional black and white photographic media and fine printing techniques, with an emphasis on creative exploration, interpretation, and technical proficiency. Historic backgrounds and instruction in the use of cameras, light meters, and darkroom procedures, chemicals, and equipment. Prerequisite: ARTS 255
ARTS 355A Portrait Photography (2-4): Learn the principles and practices of effective portrait photography through a study of light, posing techniques, setting up the environment and digital retouching. Prerequisite: ARTS 255

ARTS 355B Flash Photography (2-4): Learn the principles and techniques of using external strobes to create dynamic images through modifying and shaping the light. Speedlight required. Prerequisite: ARTS 255

ARTS 355C Documentary Photography (2-4): Photography of a particular subject, usually depicting a certain perspective of the photographer. Prerequisite: ARTS 255

ARTS 355D Black and White Photography (2-4): An introduction to traditional black and white photographic media and fine printing techniques, with an emphasis on creative exploration, interpretation, and technical proficiency. Historic backgrounds and instruction in the use of cameras, light, meters, and darkroom procedures, chemicals, and equipment. Prerequisite: ARTS 255

Printmaking

LOWER DIVISION

ARTS 254 Printmaking (4): An introduction to major printmaking processes. A primary goal is the development of technical capabilities which allow the student to produce images that represent personal concepts, vision, and creativity. Prerequisite: ARTS 224

UPPER DIVISION

ARTS 354A Printmaking Workshop (2-4): Continued exploration of printmaking techniques and concepts. Students will work on large scale prints. Prerequisite: ARTS 254

ARTS 354B Printmaking Workshop (2-4): Continued exploration of traditional printmaking techniques and concepts. Emphasis placed on combining techniques to build layers. Prerequisite: ARTS 254

ARTS 354C Printmaking Workshop (2-4): Continued exploration concepts with emphasis placed on combining traditional techniques with digital techniques. Prerequisite: ARTS 254

ARTS 354D Printmaking Workshop (2-4): Continued exploration of concepts in both traditional and digital printmaking techniques with emphasis placed on experimental imagery. Prerequisite: ARTS 254

Scultpure

LOWER DIVISION

ARTS 284 Sculpture (4): Studio practices including clay modeling, waste-molding, stone and woodcarving, and assemblage.

UPPER DIVISION

ARTS 384 Sculpture Workshop (2-4): Advanced studies in sculpture. May be repeated for additional credit. Prerequisite: ARTS 284

Professional Studies

LOWER DIVISION

ARTX 298 Workshop in Art (1-4): Variety of studio media. May be repeated for additional credit with new content. May be repeated for up to 12 units of credit.

ARTX 299 Directed Study (1-4): Independent project in fine art, graphic design, or art history. Restriction: Only for art majors

UPPER DIVISION

ARTX 486 Topics in Art (2-4): Faculty and students, in collaboration, design topics in art. May be repeated for up to 12 units of credit.

ARTX 486A Professional Practices (4): This course addresses career goals as well as introduces students to a variety of art and design business practices. Topics covered include portfolios, resumes, contracts, graduate school applications, and gallery representation. Includes photography for portfolio, special lectures, and workshops. Restriction: Open to art majors with junior or senior standing only

ARTX 486B Senior Exhibit (1): All graduating senior fine art and graphic design majors are required to plan, prepare, and install an original exhibit accompanied by a written personal statement. Restriction: Graduating seniors in art majors only

ARTX 495 Senior Project (1-6): A cohesive body of work that must relate to the student’s area of specialization. Written statement and exhibition of work required. Prerequisite: Project proposal must be approved by art faculty during quarter prior to enrollment. Restriction: Art majors with senior standing only

ARTX 497 Internship (2-8): On-the-job training experience in the professional environment as it relates to the student’s major. Prerequisites: Submission of “Notice of Intention Form” & approval by art faculty during quarter prior to enrollment
ARTX 498 Workshop in Art (1-4): Continued exploration with a variety of studio media. May be repeated for additional credit with new content. *Prerequisite: ARTX 298*

**ARTX 499 Directed Study (1-4):** Advanced independent project in fine art, graphic design, or art history. *Restriction: Only open to art majors*

**UNST 404A Senior Seminar: Religion, Values and Social Responsibility (4):** An evaluation of the artistic and cultural forms by which religious values, beliefs, and experiences are expressed, which will culminate in the production of artwork that expresses the student’s religious beliefs and philosophy of life. *Restriction: Only open to art majors with junior or senior standing*
Department of Biology

Department Faculty

L. Lee Grismer, Chair
Professor of Biology (1994)
PhD Loma Linda University 1994
Herpetology, systematics, biogeography, vertebrate natural history

Natasha S. Dean
Assistant Professor of Biology (2003)
PhD Loma Linda University 2004
Microbiology

Eugene E. Joseph
Associate Professor of Biology (1989)
PhD Morehouse School of Medicine 2004
Anatomical and biomedical sciences

John Perumal
Professor of Biology (2002)
PhD University of Western Ontario 1994
Environmental science, botany, ecology

Shereen Sabet
Assistant Professor of Biology (2009)
PhD University of California, Los Angeles 2003
Virology, immunology, Extremophiles

Lloyd A. Trueblood
Assistant Professor of Biology (2010)
PhD University of Rhode Island 2010
Marine invertebrate physiology, environmental physiology

James R. Wilson
Professor of Biology (1991)
PhD University of Cincinnati 1976
Cell biology

Preparation for teaching

Students interested in learning more about the preparation involved for teaching at the elementary and secondary levels, should refer to the Department of Curriculum and Instruction section in this bulletin.

Biology Mission Statement

The Biology Faculty actively supports the La Sierra University mission: to Seek, to Know, to Serve. We believe that both Scripture and Nature speak to us about God. The Biology Department's curriculum provides both breadth and depth in both the Biological Sciences and Biomedical Sciences emphases and includes opportunities for research with faculty, experience in field biology, and training in biotechnology. To support the continued success of our students in graduate or professional schools and in their careers, the Biology Department teaches the current foundational principles of biology which students are expected to master. As such, the department's curriculum is in accordance with the American Association for the Advancement of Science guidelines. Additionally, as faculty in a Seventh-day Adventist university, we respect and affirm each student's faith journey. Through study, we seek to expand their faith and knowledge of a Creator God during their continuing quest for truth.

Objectives

The objectives of the Department of Biology are to help students better understand themselves and the living things around them, to develop a scholarly approach to the study and evaluation of scientific information, and to prepare for careers in biology and in medicine.

Biology Student Learning Outcomes

1. The student will demonstrate knowledge of Cell Biology: including biochemistry and cell energetics along with cellular structure, organization, and function.
2. The student will demonstrate knowledge of Molecular Biology and Genetics, with regard to molecular genetics and heredity.
3. The student will demonstrate knowledge of Organismal Biology including organismal diversity; animal organ systems (their comparative structure, function, and organization in invertebrates and vertebrates); animal reproduction, growth and development; plant organ systems (their comparative structure, function and organization in non-seed and seed plants); and plant reproduction, development, and growth.
4. The student will demonstrate knowledge of Population Biology, Evolution, and Ecology including population genetics; natural selection; evolutionary processes; speciation; population, community, and ecosystems ecology; biogeography; and human impact on the environment.

5. The student will demonstrate Analytical Skills invoking science as a way of knowing; hypothesis testing; experimental design; data interpretation; inductive reasoning; and the effective communication of scientific results.

6. The student will examine the intersection of Faith and Science through Adventist Christian and broader religious views on Faith and Science while experiencing service-oriented occupational responsibilities.

**Undergraduate Research**

The faculty of the department of biology is committed to providing students with research opportunities intended to result in poster presentations at scientific meetings and/or publications in peer-reviewed journals. The faculty offers mentoring and collaboration to qualified, highly motivated students who seek research opportunities in faculty laboratories. Interested students are encouraged to discuss research opportunities with individual faculty members. Limited support in the form of grants and assistantships may be available.

**Field Study of Biology**

The biology department offers field study courses through their Field School. The purpose of these courses is to provide students with the opportunity to gather raw data in the field, analyze those data, and present the results of those analyses in the form of a peer-reviewed publication. The field course generally runs two to three weeks beginning at the end of June and takes place in various regions throughout Southeast Asia. Students will be assisting the professor(s) in his/her field work and will be expected to hike through jungles and/or SCUBA dive along tropical reefs collecting specimens and/or gathering natural history data; prepare specimens for museum collections; extract tissue samples for DNA analyses; and keep their data in a properly organized field notebook. Recent trips have been to the Bay Islands of Honduras, islands off the coast of Peninsular Malaysia, and Baja California.

**Courses taught at Rosario Beach Marine Station** *

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td>BIOL 111R</td>
<td>Ecosystem Biology (5) (includes lab)</td>
</tr>
<tr>
<td>BIOL 112R</td>
<td>Processes in Biology (5) (includes lab)</td>
</tr>
<tr>
<td>BIOL 113R</td>
<td>Biology of Organisms (5) (includes lab)</td>
</tr>
<tr>
<td>BIOL 400R</td>
<td>Paleobiology (5)</td>
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<tr>
<td>BIOL 406R</td>
<td>Marine Biology (5)</td>
</tr>
<tr>
<td>BIOL 408R</td>
<td>Biology of Marine Invertebrates (5)</td>
</tr>
<tr>
<td>BIOL 426R</td>
<td>Marine Phycology (5)</td>
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<tr>
<td>BIOL 454R</td>
<td>Behavior of Marine Organisms (5)</td>
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<tr>
<td>BIOL 460R</td>
<td>Marine Ecology (5)</td>
</tr>
<tr>
<td>BIOL 462R</td>
<td>Ichthyology (5)</td>
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<tr>
<td>BIOL 465R</td>
<td>Ornithology (5)</td>
</tr>
<tr>
<td>BIOL 477R</td>
<td>Natural History of Vertebrates (5)</td>
</tr>
<tr>
<td>BIOL 485R</td>
<td>Systematic Botany (5)</td>
</tr>
<tr>
<td>BIOL 486R</td>
<td>Topics in Biology (1-5)</td>
</tr>
<tr>
<td>BIOL 446R</td>
<td>Human Anatomy (5)</td>
</tr>
</tbody>
</table>

* The General Biology series (BIOL 111R -113R) is taught every summer and is a prerequisite for all other Rosario Beach classes. Normally four to six of the upper-division courses are offered during any given summer. To see a current listing of courses offered, go online to rosario.wallawalla.edu.

**MAJORS**

**Bachelor of Science**

**BIOLOGY**

Required: 60 units in biology, including:

- An area of emphasis in biology (see below)
- In addition to the 60 biology units, majors must take during their final year: UNST 404B
- 1 unit may be applied to the major from CHEM 491 and 492
- 2 units may be applied from CHEM 493
- The following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>BIOL 111, 111L</td>
<td>General Biology I, laboratory</td>
</tr>
<tr>
<td>BIOL 112, 112L</td>
<td>General Biology II, laboratory</td>
</tr>
<tr>
<td>BIOL 113, 113L</td>
<td>General Biology III, laboratory</td>
</tr>
<tr>
<td>BIOL 221, 222, 223</td>
<td>Tools and Methods I, II, III</td>
</tr>
<tr>
<td>BIOL 301, 301L</td>
<td>Cell and Molecular Biology, laboratory</td>
</tr>
<tr>
<td>BIOL 302, 302L</td>
<td>Genetics, laboratory</td>
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<tr>
<td>BIOL 303, 303L</td>
<td>Developmental Biology, laboratory</td>
</tr>
<tr>
<td>BIOL 350</td>
<td>Colloquium</td>
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<tr>
<td>BIOL 405</td>
<td>Biology Seminar</td>
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</tbody>
</table>
Required Cognates:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 111, 111L</td>
<td>General Chemistry I, laboratory</td>
</tr>
<tr>
<td>CHEM 112, 112L</td>
<td>General Chemistry II, laboratory</td>
</tr>
<tr>
<td>CHEM 113, 113L</td>
<td>General Chemistry III, laboratory</td>
</tr>
<tr>
<td>CHEM 271, 271L</td>
<td>Organic Chemistry I, laboratory</td>
</tr>
<tr>
<td>CHEM 272, 272L</td>
<td>Organic Chemistry II, laboratory</td>
</tr>
<tr>
<td>CHEM 273, 273L</td>
<td>Organic Chemistry III, laboratory</td>
</tr>
<tr>
<td>MATH 131</td>
<td>Calculus I</td>
</tr>
<tr>
<td>PHYS 231, 231L</td>
<td>General Physics I, laboratory</td>
</tr>
<tr>
<td>PHYS 232, 232L</td>
<td>General Physics II, laboratory</td>
</tr>
<tr>
<td>PHYS 233, 233L</td>
<td>General Physics III, laboratory</td>
</tr>
</tbody>
</table>

The student chooses one of the following areas of emphasis:

**BIOLOGICAL SCIENCE:**

- BIOL 376 Biostatistics
- Choice of:
  - BIOL 414 General Ecology
  - BIOL 415 Environmental Science
- Choice of:
  - BIOL 467 Herpetology
  - BIOL 477 Vertebrate Natural History
- Plus 12 units from:
  - BIOL 408 Biology of Marine Invertebrates
  - BIOL 410 Science at the Cutting Edge
  - BIOL 434 Histology
  - BIOL 436 Immunology
  - BIOL 439 Neurobiology
  - BIOL 446 Human Gross Anatomy
  - BIOL 461 Virology
  - BIOL 466 Systems Physiology
  - BIOL 469 Animal Behavior
  - BIOL 474 Microbiology
  - BIOL 485 Systematic Botany
  - BIOL 486 Introduction to Marine Biology
  - BIOL 487 Field Study in Biology
  - BIOL 490 Survey of Bioinformatics and Genomics
- Any upper division course taught at Rosario Beach Marine station.
BIOMEDICAL SCIENCE:

- Choice of:
  - BIOL 376 Biostatistics
  - BIOL 414 General Ecology
  - BIOL 415 Environmental Science
- 20 units from:
  - BIOL 410 Science at the Cutting Edge
  - BIOL 434 Histology
  - BIOL 436 Immunology
  - BIOL 439 Neurobiology
  - BIOL 446 Human Gross Anatomy
  - BIOL 461 Virology
  - BIOL 466 Systems Physiology
  - BIOL 474 Microbiology
  - BIOL 490 Survey of Bioinformatics and Genomics

BIOMATHEMATICS:
Offered with the Department of Mathematics and Computing
(See requirements listed under that department.)

BIOPHYSICS:
Offered with the Department of Physics
(See requirements listed under that department.)

NEUROSCIENCE:
Offered with the Department of Psychology
(See requirements listed under Neuroscience.)

MINOR

BIOLOGY
Required: 30 units in biology, including:

- The courses listed below are required
- Remaining units to be selected from 300 or 400 level biology course

<table>
<thead>
<tr>
<th>COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.</td>
</tr>
</tbody>
</table>

LOWER DIVISION

BIOL 107 Human Biology (4): The human being as an integrated organism; the course explores systems of the body and the basis of healthful living. Four class hours per week. Not open to students who have taken any other course in physiology, or to students majoring in Biology.

BIOL 111 General Biology I (4): Introduction to life and its processes. Includes basic biological chemistry, the biology of the cell (including membranes, respiration, communication, and division), genes and inheritance, genomes, DNA, and the genetic basis of development. Students must earn a C or better to move to BIOL 112 and BIOL 112L. Four class hours per week.

BIOL 111L General Biology I Laboratory (1): One three-hour laboratory per week, presenting experimental aspects of the topics presented in BIOL 111. Recommended to be taken concurrently with BIOL 111. Students must earn a C or better to move to BIOL 112 and BIOL 112L.

BIOL 111A General Biology Seminar (0): The General Biology Seminar introduces students to the university's role to promote and propagate knowledge especially in ways to understand issues of science and Scripture. After finishing this seminar students will know the ways that science studies the natural world, ways to understand, interpret, and study Scripture and ways that Seventh-day Adventists and other religious faiths interpret the Genesis creation stories.

BIOL 112 General Biology II (4): Science-based evidence for the origin of biological diversity, speciation, phylogeny, and systematics. Descriptions of vertebrate and invertebrate diversity. Includes the principles of animal form, function, nutrition, circulation, immunity, excretion, hormones, reproduction, development, and neuronal systems. Students must earn a C or better to move to BIOL 113 and BIOL 113L. Four class hours per week. Prerequisites: BIOL 111, 111L & BIOL 111A

BIOL 112L General Biology II Laboratory (1): One three-hour laboratory per week, presenting experimental aspects of the topics presented in BIOL 112. Recommended to be taken concurrently with BIOL 112. Students must earn a C or better to move to BIOL 113 and BIOL 113L. Prerequisites: BIOL 111 & 111L
BIOL 113 General Biology III (4): Introduction to plant biology, including photosynthesis, evolution, transport, nutrition, reproduction, and environmental responses. Additionally includes basic ecological principles and processes and behavioral ecology. Four class hours per week. 
Prerequisites: BIOL 112 & 112L

BIOL 113L General Biology III Laboratory (1): One three-hour laboratory per week, presenting experimental aspects of the topics presented in BIOL 113. Recommended to be taken concurrently with BIOL 113. Prerequisites: BIOL 112 & 112L

BIOL 131 Human Anatomy and Physiology I (5): A systematic approach to the integrated study of human anatomy and physiology. Designed primarily for students in associate and baccalaureate degree programs in allied health sciences and nursing. Topics covered are organization of the body, cells, tissues, integumentary system, skeletal system, muscular system, and nervous system. Three classes, one hour each, and two three-hour laboratories per week. Does not apply toward a major in biology.

BIOL 132 Human Anatomy and Physiology II (5): A systematic approach to the integrated study of human anatomy and physiology. Designed primarily for students in associate and baccalaureate degree programs in allied health and nursing. Topics covered are special senses, endocrine system, cardiovascular system, lymphatic system, respiratory system, digestive system, urinary system, and reproductive system. Four class hours and one three-hour laboratory per week. Does not apply toward a major in biology. 
Prerequisite: BIOL 131

BIOL 185 Basic Medical Microbiology (5): Surveys human pathogens and diseases and provides a medicine-based overview of related concepts, such as bacterial metabolism and reproduction, drugs, drug resistance, and basic immunology. Designed primarily for students expecting to enter the allied health sciences (nursing, dental hygiene, physical therapy, etc.) Four class hours and three laboratory hours per week. Does not apply toward a major in biology.

BIOL 221 Tools and Methods I (1): This is an introductory laboratory methods course which develops student skills in notebook journaling, experimental design, problem solving, and biotechniques. Students learn to determine protein concentrations using protein concentration curves, separate and determine MW of proteins using the SDS-PAGE, and also measure enzyme activity. Students learn to do calculations, to make solutions, use balances and pH meters, and also become proficient in the use of spectrophotometers and centrifuges. Meets for a three-hour time period once per week. 
Prerequisites: BIOL 113 &113L

BIOL 222 Tools and Methods II (1): This laboratory course builds on information presented in Tools and Methods I. In addition to the laboratory skills developed in BIOL 221, particular interest is given to techniques and concepts in microbiology and molecular biology. Students learn the Gram stain method, bacterial transformation, DNA electrophoresis, the polymerase chain reaction (PCR), and aseptic techniques for performing transfers in microbiology and molecular biology. Students are introduced to the principles of the scientific method and experimental design. Meets for a three-hour time period once per week. Prerequisite: BIOL 221

BIOL 223 Tools and Methods III (1): Students are introduced to the scientific method and how to form hypotheses, design experiments, conduct scientific literature searches, and use a web-based reference manager. Students are guided in the development of a written, coherent, hypothesis-based research proposal.

BIOL 295 Undergraduate Research (1-4): Original investigation pursued under the direction of a faculty member. The student may take up to four units maximum. Restriction: Limited to freshman and sophomores with a minimum overall GPA of 3.0

BIOL 299 Directed Study (1-4): Lower division independent project, not involving original research, taught on an arranged basis. Up to four units maximum may be taken. Prerequisite: Consent of the Biology Department Chair & arrangement with an instructor

UPPER DIVISION

BIOL 301 Cell and Molecular Biology (4): The basic concepts of current molecular and cell biology, including cellular regulation, function, and control; processing of information; and cell organelle function and processes. Introduction to the techniques used in modern cell and molecular biology, and their application to answer questions about the cell. Four class hours per week. Prerequisites: BIOL 113, 113L & CHEM 271

BIOL 301L Cell and Molecular Biology Projects Laboratory (1): Investigation-based laboratories designed for student research experience. Projects focus on methods of modern cell biology and draw from techniques learned in the Tools and Methods labs (BIOL 221, 222, 223). Two to four weeks devoted to demonstration laboratories and the remaining laboratory time dedicated to the development and execution of the discipline-related project. To be taken concurrently with BIOL 301. Meets for a three-hour time period once a week. Prerequisite: BIOL 223

BIOL 302 Genetics (4): Principles of genetic analysis of viruses, bacteria, and eukaryotes; molecularly based but includes classical concepts. Four class hours per week. 
Prerequisites: BIOL 301 & 301L
BIOL 302L Genetics Projects Laboratory (1): Investigation-based laboratories designed for student research experience. Projects focus on methods of modern genetics and draw from techniques learned in the Tools and Methods labs (BIOL 221, 222, 223). Two to four weeks devoted to demonstration laboratories and the remaining laboratory time dedicated to the development and execution of a discipline-related project. To be taken concurrently with BIOL 302. Meets for a three-hour time period once a week. Prerequisites: BIOL 301 & 301L

BIOL 303 Developmental Biology (4): Molecular and genetic mechanisms of gametogenesis, fertilization, morphogenesis, differentiation, and regeneration. Processes of development caused by cell and molecular interactions, under the control of gene expression. Four class hours per week. Prerequisites: BIOL 302 & 302L

BIOL 303L Developmental Biology Projects Laboratory (1): Investigation-based laboratories designed for student research experience. Projects focus on methods of modern developmental biology and draw from techniques learned in the Tools and Methods labs (BIOL 221, 222, 223). Two to four weeks devoted to demonstration laboratories and the remaining laboratory time dedicated to the development and execution of a discipline-related project. To be taken concurrently with BIOL 303. Meets for a three-hour time period once a week. Prerequisites: BIOL 302 & 302L

BIOL 327 Survey of Biological Principles (4): An introduction to basic biological processes, this course is designed to give the student a modern treatment of the fundamental processes and principles of living organisms. This is an interdisciplinary study focusing on the biological paradigm, built on the fundamental principles of chemistry, physics, and biology. Does not apply toward a major in biology. Four class hours per week.

BIOL 350 Colloquium (1): Upper division departmental course involving invited speakers who present the results of their current research. A grade of IP is assigned until the student has attended 12 colloquia, over six consecutive quarters. One class hour per colloquium. Prerequisites: BIOL 113 & 113L

BIOL 376 Biostatistics (4): Statistical analysis of biological systems, including both parametric and non-parametric methods. Four class hours per week. Prerequisites: BIOL 113 & 113L

BIOL 389 Topics in Biology (4): Courses on various current topics in biological science, specifically designed for non-majors. The student may repeat different sections of the course for additional credit. Typically taught as an evening class. Does not apply toward a major in biology. Four class hours per week. Prerequisites: BIOL 113 & 113L

BIOL 405 Biology Seminar (2): Recent developments and current topics in selected areas of modern biology. Students may be asked to give multiple presentations on a subject pertinent to the topics discussed. May be repeated for a total of 4 units. Two class hours per week. Prerequisites: BIOL 113, 113L and BIOL 223

BIOL 408 Biology of Marine Invertebrates (4): An introduction to the biology of marine invertebrate groups. Treatment organized phylogenetically and covers a broad spectrum of current knowledge about the biology of individual representatives of marine invertebrate organisms. Three class hours and one three-hour laboratory per week, with extended field trips as substitution for some labs. Offered occasionally. Prerequisites: BIOL 113 & 113L

BIOL 410 Science at the Cutting Edge (2): The flow of scientific information from the research laboratory to textbooks and the popular media. The presentation of current research and its integration into the body of knowledge. Requires attendance at a minimum of one national scientific meeting within the Southern California area. Limited class size. Two class hours per week. Prerequisites: BIOL 113 & 113L. Restriction: May not be taken concurrently with UHNR 324

BIOL 414 General Ecology (4): Basic concepts concerning the relationships of organisms to their environment. Emphasis on physiological responses of individuals; structure and dynamics of populations; interactions between species; and the structure, dynamics, and functions of communities and ecosystems. Includes equivalent of one three-hour laboratory per week. May substitute for BIOL 415. Taught alternate years. Three class hours per week. Prerequisites: BIOL 113 & 113L

BIOL 415 Environmental Science (4): Environmental Science is an interdisciplinary study of how the physical, chemical, and biological conditions of the earth work, and how we are affecting the earth's life-support systems (the environment). This course introduces students to the very complex interlocking environmental problems facing us today. Beginning with basic ecological principles, the course goes on to examine population dynamics, energy utilization, resource consumption, the various forms of pollution, and conservation methods to preserve our natural resources, natural areas, and native species. This is a Service-Learning course and includes a three-hour laboratory period per week. May substitute for BIOL 414. Taught alternate years. Three class hours per week. Prerequisites: BIOL 113 & 113L

BIOL 434 Histology (4): Descriptive and functional analysis of normal human tissues and organs. Three class hours and one three-hour laboratory per week. Prerequisites: BIOL 113 & 113L
BIOL 436 Immunology (4): This course introduces students to the diverse roles of the vertebrate immune system with special attention paid to events that occur at the level of cellular communication and signalling. The immune response to disease are studied and the components of the immune response are explored in light of available experimental evidence. Four class hours per week. Prerequisite: BIOL 461 or BIOL 474

BIOL 439 Neurobiology (4): An advanced course on the functions of the mammalian nervous system. Neuronal substrates of behavior including perception, motivation, emotion, memory, consciousness, and abnormal thought and behavior are explored. Genetic correlates of behavior are also considered. Cross-listed as PSYC 452. Prerequisite: BIOL 466

BIOL 446 Human Gross Anatomy (5): An intensive, basic course in clinically oriented human anatomy, including laboratory study of the human cadaver. Three class hours and two three-hour laboratories per week. This is a Service-Learning course. Prerequisites: BIOL 113 & 113L. Restriction: Permission of the instructor is required for enrollment

BIOL 448 Neuroanatomy (5): Exploration of the neuroanatomy of the human nervous system. Course focuses on the structure, function, and relationships of the central and peripheral sub-categories of the nervous system; neurological development; and disorders and diseases of the nervous system. Concurrent enrollment in BIOL 448L is required. Cross-listed as NEUR 448. Prerequisites: BIOL 111, 111L, PSYC 104, NEUR 261, 261L; and BIOL 303, 303L; or BIOL 466

BIOL 448L Neuroanatomy Lab (0): Direct examination of the human and mammalian brain through dissection, examination of prepared slides and prosections, and work with computer models. Concurrent enrollment in BIOL 448 required. Cross-listed as NEUR 448L.

BIOL 461 Virology (4): This course introduces students to fundamental principles of viruses. Physical structure, classification, and life cycles are presented with in-depth examples from different families. Four class hours per week. Prerequisites: BIOL 113 & 113L

BIOL 466 Systems Physiology (4): This course demonstrates how the major organ systems function, internal regulation is maintained, and special adaptations for varying external environments across a broad range of taxa. Major topics include respiration, circulation, metabolic regulation, thermoregulation and tolerance, membrane transport and osmoregulation, nervous system function and integration, and hormonal regulation. Three class hours and one three-hour laboratory per week. Prerequisites: BIOL 113 & 113L

BIOL 467 Herpetology (4): Identification, evolution, distribution, and life history of amphibians and reptiles from around the world. Three class hours per week and one three-hour laboratory, or the equivalent, per week. Prerequisites: BIOL 113 & 113L

BIOL 469 Animal Behavior (4): A survey of basic principles and classic studies underlying the science of animal behavior. Behavior is presented as a manifestation of the structure and function of the animal, one that is subject to rigorous analysis and experimentation based on objective data. Four class hours per week. Prerequisites: BIOL 113 & 113L

BIOL 474 Microbiology (4): Biology of bacteria, viruses, protozoans, other microorganisms, and their interactions with their environment. Includes surveys of microbial adaptation and taxonomy, human-microbe relationships, environmental and industrial microbiology. Three class hours and one three-hour laboratory per week. Prerequisites: BIOL 113 & 113L

BIOL 477 Vertebrate Natural History (4): An evolutionary approach to the morphology, physiology, behavior, and ecology of major vertebrate groups. Treats the question of how members of different vertebrate groups live their lives, and critiques scientific hypotheses on how these different life strategies evolved. The course is designed to engage students in the scientific thought process required to go from the observed to the theoretical. Weekend field trips will be taken to different regions of Southern California. Three class hours per week and one three-hour laboratory, or the equivalent, per week. Prerequisites: BIOL 113 & 113L

BIOL 485 Systematic Botany (4): Classification of vascular plants with focus on flowering plants. Emphasis is made on identification of species with the aid of botanical keys; involves the recognition of plant families; and notes the habitats where various species occur. Other taxonomic methods are introduced. Three class hours and one three-hour laboratory, or the equivalent, per week. Prerequisites: BIOL 113 & 113L

BIOL 486 Introduction to Marine Biology (4): This course is designed for students interested in the biology of marine life. The course will tour the marine environment from a community perspective and will examine the biology of organisms found in a variety of marine habitats. Diversity of species and adaptations to habitats from the sea surface to the depths of the ocean will be explored in detail. Three class hours with several extended laboratories throughout the quarter. Prerequisites: BIOL 113 & 113L
Department Faculty

Marvin A. Payne, Chair
Associate Professor of Chemistry (1997)
PhD University of North Texas 1993
Biochemistry, enzyme mechanisms

Nate Brandstater
Associate Dean, College of Arts and Sciences
Associate Professor of Chemistry (2004)
PhD University of California, Los Angeles 1996
Physical chemistry

Jennifer Helbley
Assistant Professor of Chemistry (2006)
PhD University of Nevada, Reno 2006
Materials chemistry

Michael S. Malarek
Assistant Professor of Chemistry (2008)
PhD University of Melbourne, Australia 2005
Organometallic chemistry

Krista Motschiedler
Assistant Professor of Chemistry (2002)
PhD University of California, Los Angeles 2000
Physical organic chemistry

G. Roger Tatum
Professor of Chemistry (1979)
PhD University of Maryland 1979
Instrumental and inorganic chemistry

Collaborating Faculty

Clyde L. Webster
Research Professor of Chemistry (2000)
PhD Colorado State University, Ft. Collins 1972
Inorganic geochemistry

Leland Y. Wilson
Research Professor of Chemistry (1974)
PhD University of Nebraska 1964
Physical and computational chemistry

H. Raymond Shelden
Professor of Chemistry (1969), Retired
PhD University of California, Irvine 1969
Physical organic chemistry

Degrees offered
- Bachelor of Arts degree in Chemistry
- Bachelor of Science degrees in:
  - Biochemistry
  - Chemistry
  - Physical Science
- Minors in Chemistry & Biochemistry

Preparation for teaching
Students interested in learning more about the preparation involved for teaching at the elementary and secondary levels, should refer to the Department of Curriculum and Instruction section in this bulletin.

Objectives
Developing a sense of intellectual curiosity concerning chemical theory and an appreciation of the practical role of chemistry in life constitute the general objectives of the department. Additional objectives include preparing students to enter graduate programs in chemistry or biochemistry, professional programs in the health sciences, and careers in the chemical industry. In addition to majors in chemistry and biochemistry, the department offers a major in physical science designed for those planning to teach science at the secondary level.

Chemistry & Biochemistry Learning Outcomes
1. Demonstrate proficiency in the major content areas of chemistry at the bachelors degree level as specified by the American Chemical Society. The major content areas are:
   (1) General chemistry          (2) Organic chemistry
   (3) Inorganic chemistry        (4) Analytical chemistry
   (5) Physical chemistry (thermodynamics and dynamics)
2. Be able to solve complex theoretical and quantitative problems accurately and efficiently.
3. Communicate scientific information effectively through writing and oral presentations as well as effectively utilize scientific information presented by other scientists through writing and oral presentations.
4. Perform an independent chemical research project under the supervision of a faculty member.
5. Anticipate, recognize, and respond to chemical hazards included in the storage, handling, and disposal of chemicals, and laboratory accidents.
6. Be able to efficiently obtain and utilize data from and understand the principles of GC-MS, HPLC, FT-IR, UV-vis, and NMR instruments.
7. Be able to perform basic lab skills including synthesis of inorganic and organic compounds, accurate and precise measurement, data collection, and experiment design and be able to keep legible, accurate and complete experimental records.
8. Demonstrate ethical behavior in presenting and reporting results, utilizing chemical information and pursuing research as well as being aware of current ethical issues in society which involve chemistry.

Senior assessment

All department majors must participate in the department's assessment program. This may include taking a comprehensive chemistry assessment test during the winter or spring term of the senior year (on the specified date announced) and/or tests in UNST 404D.

MAJORS

Core Curriculum: (46 units) Required of all students majoring in the Department of Chemistry & Biochemistry

Required:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CHEM 111, 111L</td>
<td>General Chemistry I, laboratory</td>
</tr>
<tr>
<td>CHEM 112, 112L</td>
<td>General Chemistry II, laboratory</td>
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<tr>
<td>CHEM 113, 113L</td>
<td>General Chemistry III, laboratory</td>
</tr>
<tr>
<td>CHEM 205</td>
<td>Chemistry Seminar (2 units)</td>
</tr>
<tr>
<td>CHEM 224</td>
<td>Analytical Chemistry</td>
</tr>
<tr>
<td>CHEM 271, 271L</td>
<td>Organic Chemistry I, laboratory</td>
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<tr>
<td>CHEM 272, 272L</td>
<td>Organic Chemistry II, laboratory</td>
</tr>
<tr>
<td>CHEM 273, 273L</td>
<td>Organic Chemistry III, laboratory</td>
</tr>
<tr>
<td>CHEM 351, 351L</td>
<td>Physical Chemistry: Thermodynamics, laboratory</td>
</tr>
<tr>
<td>CHEM 352, 352L</td>
<td>Physical Chemistry: Dynamics, laboratory</td>
</tr>
<tr>
<td>CHEM 375</td>
<td>Advanced Organic Laboratory</td>
</tr>
<tr>
<td>CHEM 405</td>
<td>Senior Seminar</td>
</tr>
<tr>
<td>CHEM 408</td>
<td>Introduction to Research</td>
</tr>
</tbody>
</table>

Required Cognates:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MATH 131</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 132</td>
<td>Calculus II</td>
</tr>
<tr>
<td>PHYS 231, 231L</td>
<td>General Physics I, laboratory</td>
</tr>
<tr>
<td>PHYS 232, 232L</td>
<td>General Physics II, laboratory</td>
</tr>
<tr>
<td>PHYS 233, 233L</td>
<td>General Physics III, laboratory</td>
</tr>
</tbody>
</table>

BACHELOR OF ARTS

CHEMISTRY

Required: 60 units in chemistry, including:

- Core Curriculum
- The courses listed below
- Remaining units to be selected in consultation with advisor

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CHEM 353, 353L</td>
<td>Physical Chemistry: Quantum Mechanics, laboratory</td>
</tr>
</tbody>
</table>

Plus, choice of two of the following

<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>CHEM 424, 424L</td>
<td>Instrumental Analysis I, laboratory</td>
</tr>
<tr>
<td>CHEM 425, 425L</td>
<td>Instrumental Analysis II, laboratory</td>
</tr>
<tr>
<td>CHEM 426, 426L</td>
<td>Instrumental Analysis III, laboratory</td>
</tr>
</tbody>
</table>

BACHELOR OF SCIENCE

BIOCHEMISTRY

Required: 70 units in chemistry, including:

- Core Curriculum (46 units)
- The courses listed below
- 1 unit of either CHEM 498 or 499 (or at least two upper division electives in Chemistry or Biochemistry).
- Remaining units to be selected from courses applicable to a biochemistry major

Choice of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CHEM 424, 424L</td>
<td>Instrumental Analysis I, laboratory</td>
</tr>
<tr>
<td>CHEM 425, 425L</td>
<td>Instrumental Analysis II, laboratory</td>
</tr>
<tr>
<td>CHEM 426, 426L</td>
<td>Instrumental Analysis III, laboratory</td>
</tr>
</tbody>
</table>

Plus:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CHEM 491, 491L</td>
<td>Biochemistry I, laboratory</td>
</tr>
<tr>
<td>CHEM 492, 492L</td>
<td>Biochemistry II, laboratory</td>
</tr>
<tr>
<td>CHEM 493, 493L</td>
<td>Biochemistry III, laboratory</td>
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</tbody>
</table>

Required Cognates:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 111, 111L</td>
<td>General Biology I, laboratory</td>
</tr>
<tr>
<td>BIOL 112, 112L</td>
<td>General Biology II, laboratory</td>
</tr>
<tr>
<td>BIOL 113, 113L</td>
<td>General Biology III, laboratory</td>
</tr>
</tbody>
</table>
CHEMISTRY

Required: 70 units in chemistry, including:
- Core Curriculum (46 units)
- 1 unit of either CHEM 498 or 499
- The courses listed below
- Remaining units to be selected from courses applicable to a chemistry major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CHEM 353, 353L</td>
<td>Physical Chemistry: Quantum Mechanics, laboratory</td>
</tr>
</tbody>
</table>

**Plus, choice of 2 of the following:**
- CHEM 424, 424L Instrumental Analysis I, laboratory
- CHEM 425, 425L Instrumental Analysis II, laboratory
- CHEM 426, 426L Instrumental Analysis III, laboratory

(or at least two upper division electives in Chemistry or Biochemistry)

Required Cognate:
- MATH 133 Calculus III

PHYSICAL SCIENCE

Designed for students interested in teaching in the physical sciences, with an emphasis in chemistry

Required: 77 units in chemistry and physics, including:
- Core Curriculum (46 units)
- The courses listed below

<table>
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>PHYS 231, 231L</td>
<td>General Physics I, laboratory</td>
</tr>
<tr>
<td>PHYS 232, 232L</td>
<td>General Physics II, laboratory</td>
</tr>
<tr>
<td>PHYS 233, 233L</td>
<td>General Physics III, laboratory</td>
</tr>
<tr>
<td>CHEM 417</td>
<td>Chemistry of the Periodic Table</td>
</tr>
<tr>
<td>GEOL 314</td>
<td>Earth Science</td>
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<tr>
<td>PHYS 304</td>
<td>Astronomy</td>
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</tbody>
</table>

**Plus, choice of 4 units from the following:**
- CHEM 353, 353L Physical Chemistry: Quantum Mechanics, laboratory
- CHEM 415 Topics in Inorganic Chemistry
- CHEM 424, 424L Instrumental Analysis I, laboratory
- CHEM 425, 425L Instrumental Analysis II, laboratory
- CHEM 426, 426L Instrumental Analysis III, laboratory

MINORS

CHEMISTRY

Required: 35 units in chemistry, including:
- The courses listed below
- Remaining 8 units to be selected from those upper division courses applicable to a chemistry major

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>CHEM 111, 111L</td>
<td>General Chemistry I, laboratory</td>
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<tr>
<td>CHEM 112, 112L</td>
<td>General Chemistry II, laboratory</td>
</tr>
<tr>
<td>CHEM 113, 113L</td>
<td>General Chemistry III, laboratory</td>
</tr>
<tr>
<td>CHEM 271, 271L</td>
<td>Organic Chemistry I, laboratory</td>
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<tr>
<td>CHEM 272, 272L</td>
<td>Organic Chemistry II, laboratory</td>
</tr>
<tr>
<td>CHEM 273, 273L</td>
<td>Organic Chemistry III, laboratory</td>
</tr>
</tbody>
</table>

Required Cognates:
- BIOL 111, 111L General Biology I, laboratory
- BIOL 112, 112L General Biology II, laboratory
- BIOL 113, 113L General Biology III, laboratory

BIOCHEMISTRY

Required: 35 units in chemistry, including:
- The courses listed below
- At least 6 additional units of upper division biochemistry
- Remaining 2 units must be selected from upper division courses applicable to a biochemistry or chemistry major

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>CHEM 111, 111L</td>
<td>General Chemistry I, laboratory</td>
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<tr>
<td>CHEM 112, 112L</td>
<td>General Chemistry II, laboratory</td>
</tr>
<tr>
<td>CHEM 113, 113L</td>
<td>General Chemistry III, laboratory</td>
</tr>
<tr>
<td>CHEM 271, 271L</td>
<td>Organic Chemistry I, laboratory</td>
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<tr>
<td>CHEM 272, 272L</td>
<td>Organic Chemistry II, laboratory</td>
</tr>
<tr>
<td>CHEM 273, 273L</td>
<td>Organic Chemistry III, laboratory</td>
</tr>
</tbody>
</table>
COURSES

A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.

LOWER DIVISION

CHEM 101, 102, and 103 are designed for liberal arts students and those preparing to enter nursing and other allied health programs. Credit does not apply toward a major or minor in chemistry, biochemistry, or physical science, or toward pre-professional requirements for dentistry, medicine, or medical technology.

CHEM 101 Introductory Inorganic Chemistry (3): First course in a year-long introduction to the three main branches of chemistry. Introduction to the fundamental principles important to inorganic chemistry including matter, atomic structure, bonds, chemical reactions, solutions, reaction rates, equilibrium and acid-base chemistry. Does not apply toward a major or minor in chemistry or biochemistry. Three class periods per week. Prerequisite: MATH 007 & CHEM 101L (can be concurrently enrolled)

CHEM 101L Introductory Inorganic Chemistry Laboratory (1): First course in a year-long introduction to the laboratory of CHEM 101. Laboratory experiments introduce measurements, calculations, reaction, states of matter, reaction rates, equilibrium solutions, pH and buffers. One three-hour laboratory per week. Prerequisite: CHEM 101 (can be concurrently enrolled)

CHEM 102 Introductory Organic Chemistry (3): Continuation of the introductory sequence. Introduction to the fundamental chemistry of carbon compounds including chirality, nomenclature, properties and reactions of hydrocarbons, alcohols, aldehydes, amines, carboxylic acids, ketones, polymers and minor functional groups. Does not apply toward a major or minor in chemistry or biochemistry. Three class periods per week. Prerequisite: CHEM 101 or 113 (‘C’ or better) & 102L (can be concurrently enrolled)

CHEM 102L Introductory Organic Chemistry Laboratory (1): Continuation of the introductory laboratory sequence. Laboratory experiments introduce properties and reactions of organic compounds including basic synthesis. One three-hour laboratory per week. Prerequisite: CHEM102 (can be concurrently enrolled)

CHEM 103 Introductory Biochemistry (3): Continuation of the introductory sequence. Introduction to the chemistry of living organisms including carbohydrates, lipids, proteins, nucleic acids, metabolic pathways, blood chemistry and enzymes. Does not apply toward a major or minor in chemistry or biochemistry. Three class periods per week. Prerequisites: CHEM 102 or 272 (‘C’ or better) & 103L (can be concurrently enrolled)

CHEM 103L Introductory Biochemistry Laboratory (1): Continuation of the introductory laboratory sequence. Laboratory experiments introduce analysis, properties and reactions of biological molecules and systems. One three-hour laboratory per week. Prerequisite: CHEM 103 (can be concurrently enrolled)

CHEM 111 General Chemistry I (4): First course in a year-long general chemistry sequence. Investigation into structure and reactivity of chemical materials, including atomic structure; mass; mole; formulas; naming of compounds; balancing equations; reaction types and stoichiometric relationships in reactions; qualitative and quantitative aspects of solutions; acid-base chemistry; electron configurations; and elementary quantum theory. Four class periods per week. Must be taken in sequence. Concurrent registration in CHEM 111L is required. Students must earn a C or better to move to CHEM 112 & 112L. Prerequisite: Eligibility for MATH 121

CHEM 111L General Chemistry Laboratory I (1): Hands-on laboratory work in the principles and techniques of inorganic quantitative and qualitative analysis. Experiments are coordinated with the lecture material of CHEM 111. Computer data acquisition, graphing, and quantitative calculations are emphasized. One three-hour laboratory per week. Concurrent registration in CHEM 111 is required. Students must earn a C or better to move to CHEM 112 & 112L. Prerequisite: Eligibility for MATH 121

CHEM 112 General Chemistry II (4): Continuation of the general chemistry sequence. Topics covered include molecular structure and bonding; VSEPR, VB, and MO theories; physical and chemical properties of gas phase systems; gas laws; liquid and solid states of matter; concentration measures of solutions; colligative properties, and colloidal suspensions. Four class periods per week. Must be taken in sequence. Concurrent registration in CHEM 112 is required. Students must earn a C or better to move to CHEM 113 & 113L. Prerequisites: CHEM 111 & 111L

CHEM 112L General Chemistry Laboratory II (1): Continuation of the introductory laboratory sequence. Laboratory experiments introduce properties and reactions of organic compounds including basic synthesis. One three-hour laboratory per week. Prerequisite: CHEM 112 & 112L (can be concurrently enrolled)
CHEM 113 General Chemistry III (4): Continuation of the general chemistry sequence. Topics covered include thermochromy, and introductory thermodynamics (energy, entropy, free energy, and spontaneity of reactions and natural processes); reaction dynamics (kinetics, homogeneous and heterogeneous, acid-base, and solubility equilibria); redox reactions; and electrochemistry. Four class periods per week. Must be taken in sequence. Concurrent registration in CHEM 113L is required. Prerequisites: CHEM 112 & 112L

CHEM 113L General Chemistry Laboratory III (1): Continuation of hands-on laboratory work in the principles and techniques of inorganic quantitative and qualitative analysis. Experiments are coordinated with the lecture material of CHEM 113. Computer data acquisition, graphing, and quantitative calculations are emphasized. One three-hour laboratory per week. Must be taken in sequence. Concurrent registration in CHEM 113 is required. Prerequisites: CHEM 112 & 112L

CHEM 205 Chemistry Seminar (0.5): Relevant topics of interest and concern to chemists covered in greater detail than in most other classes. One class period per week. May be repeated for credit with a maximum of two units applying toward the major.

CHEM 208 Everyday Chemistry (4): A course specifically designed for the non-department majors that presents fundamental principles of science by exploring the chemistry of drugs, detergents, petroleum products, plastics, foods and other everyday materials and their effects on the environment. Does not apply toward a major or minor in the Department of Chemistry. Four class periods per week. Credit not allowed if student has previous credit for college chemistry.

CHEM 224 Analytical Chemistry (4): Quantitative analysis of chemical systems emphasizing development of accurate and precise laboratory technique and statistical treatment of data applied to gravimetric, volumetric, acid-base, oxidation-reduction, compleximetric, and colorimetric methods of analysis. Two class periods and two three-hour laboratories per week. Prerequisite: CHEM 113

CHEM 271 Organic Chemistry I (3): Principles, properties, and reactions of carbon-based molecules. Nomenclature, structure, and reactions involving alkanes, alkenes, alcohols, and ethers. Introduction to substitution and elimination reactions, mechanisms, acid-base reactions, and retrosynthesis. Four one hour class periods per week. Prerequisites: CHEM 113 & 113L

CHEM 271L Organic Chemistry Laboratory I (1): Introduction to organic laboratory glassware, techniques, the properties of organic molecules and synthesis. Techniques covered include separation and purification (crystallization, extraction, precipitation, distillation, chromatography, filtration, GC) and characterization (melting and boiling point, sublimation, solubility). Prerequisites: CHEM 271 (or concurrent enrollment)

CHEM 272 Organic Chemistry II (3): Nomenclature, structure, and reactions involving aromatics, phenols, and carbonyls. Introduction to spectroscopic methods of compound identification including UV, IR, 13C NMR, 1H NMR, and MS. Continuation of mechanisms and retrosynthesis. Three one hour class periods per week. Prerequisite: CHEM 271

CHEM 272L Organic Chemistry Laboratory II (1): Continuation of organic laboratory techniques including synthesis, isolation, purification, and characterization. Introduction to spectroscopic techniques including NMR, IR and GC-MS. Prerequisites: CHEM 272 & 271L (can be concurrently enrolled)

CHEM 273 Organic Chemistry III (3): Nomenclature, structure, and reactions involving carboxylic acids and carbonyl compounds. Continuation of mechanisms and retrosynthesis. Structure and reactions of basic biological molecules-amino acids, carbohydrates, sugars, proteins, and lipids. Three one hour class periods per week. Prerequisites: CHEM 272 & 272L

CHEM 273L Organic Chemistry Laboratory III (1): Continuation of organic laboratory techniques including synthesis, isolation, purification, characterization, and spectroscopic techniques. Introduction to multi-step organic synthesis. Prerequisites: CHEM 272L, 273 (can be concurrently enrolled)

CHEM 298 Directed Research (1-2): Completion of a laboratory research project under the direction of an off-campus faculty member or approved off-campus research supervisor. Minimum three laboratory hours per week, per unit of credit. Prerequisite: Consent of the instructor

CHEM 299 Directed Study (1-4): Independent study of a chemically-related topic selected jointly by the student and a supervising chemistry faculty member. Prerequisites: Consent of the instructor and department chair

UPPER DIVISION

CHEM 301 Topics in Chemistry: Courses on various current topics in chemical science, specifically designed for non-majors. The student may repeat different sections of the course for additional credit. Typically taught as an evening class. Does not apply toward a major in chemistry or biochemistry. Prerequisites: Admittance into ACCESS program & eligibility for MATH 121

CHEM 351 Physical Chemistry: Thermodynamics (3): Principles of thermodynamics applied to chemistry. Entropy and energy concepts used to predict direction and extent of reactions. Includes computer applications. Three class periods per week. Prerequisites: CHEM 224, MATH 132 & PHYS 233
CHEM 351L Physical Chemistry Laboratory I (1): Emphasizes laboratory computer use for acquiring data from laboratory instruments and equipment, statistical processing of data, and graphical presentation of experimental results. Use of MathCAD and LabVIEW software, and thermal and electrical methods of analysis in experiments for determination of kinetic, equilibrium, and physical constants of chemical systems. One three-hour laboratory per week. 
Prerequisite: CHEM 351 (can be concurrently enrolled)

Prerequisites: CHEM 351 & 351L

CHEM 352L Physical Chemistry Laboratory II (1): Emphasizes use of optical instruments for determination of kinetic, equilibrium, and physical constants of chemical systems. One three-hour laboratory per week. 
Prerequisite: CHEM 352 (can be concurrently enrolled)

Prerequisites: CHEM 352 & 352L

CHEM 353L Physical Chemistry Laboratory III (1): Emphasizes use of spectroscopic and chromatographic instruments for determination of kinetic, equilibrium, and physical constants of chemical systems. One three-hour laboratory per week. 
Prerequisite: CHEM 353 (can be concurrently enrolled)

CHEM 375 Advanced Organic Laboratory (2): Planning and completion of a multistep synthesis utilizing information from chemical literature; utilization of proper laboratory notebook keeping; and characterization of products using IR, GC/MS, and NMR. One three-hour laboratory per week. 
Prerequisites: CHEM 273 & 273L

CHEM 405 Senior Seminar (1): Student presentations on topics of chemical interest. Each student must make a presentation. One class period per week. 
Prerequisite: Senior standing in department

CHEM 408 Introduction to Research (2): Development of skills basic to conducting chemical research, including literature searching, experimental design, and proposal writing. Students will develop a proposal for a research project. One class period per week. 
Prerequisite: At least 27 units of chemistry

CHEM 415 Topics in Inorganic Chemistry (4): Varied content from quarter to quarter on descriptive and theoretical inorganic chemistry topics with specific areas listed in the class schedule. Four class periods per week. May be repeated with new content for additional credit. 
Prerequisite: CHEM 113

CHEM 417 Chemistry of the Periodic Table (4): Inorganic chemistry using atomic and molecular structure and periodic properties of the elements to understand physical and chemical properties of inorganic molecules and chemical reactions emphasizing the representative (s- and p-block) groups of elements on the periodic table. Four class periods per week. 
Prerequisite: CHEM 271

CHEM 424 Instrumental Analysis I (3): Basic theory of instrument design and operational parameter optimization of chemical instrumentation. Application to optical methods of analysis involving molecular and atomic refraction, polarization, scattering, emission, absorption, fluorescence, and phosphorescence in the ultraviolet and visible regions of the spectrum. Includes computer applications. Three class periods per week. 
Prerequisite: CHEM 224

CHEM 424L Instrumental Analysis Laboratory I (1): Emphasizes laboratory use of UV and visible spectroscopic instruments (see CHEM 424) for optical analysis of chemical systems. One three-hour laboratory per week. 
Prerequisite: CHEM 424 (can be concurrently enrolled)

CHEM 425 Instrumental Analysis II (3): Basic theory of instrument design and operational parameter optimization of chemical instrumentation. Application of modern FT/IR, NMR, and GC/MS methods of spectroscopic and spectrometric analyses. Includes computer applications to chemical analysis. 
Prerequisite: CHEM 224

CHEM 425L Instrumental Analysis Laboratory II (1): Emphasizes laboratory use of FT/IR, NMR, and GC/MS methods of analysis in chemical systems. One three-hour laboratory per week. 
Prerequisite: CHEM 425 (can be concurrently enrolled)

CHEM 426 Instrumental Analysis III (3): Basic theory of instrument design and operational parameter optimization of chemical instrumentation. Application to electrochemical methods involving potentiometry, coulometry, amperometry, and voltammetry. Includes computer applications to chemical analysis. 
Prerequisite: CHEM 224

CHEM 426L Instrumental Analysis Laboratory III (1): Emphasizes laboratory use of electrochemical instrumentation (see CHEM 426) for electrical analysis of chemical systems and use of laboratory computers for data acquisition, information processing and presentation of results. One three-hour laboratory per week. 
Prerequisite: CHEM 426 (can be concurrently enrolled)
CHEM 470 Introduction to Medicinal Chemistry (4): Introduction to drugs with an emphasis on action, structure, discovery, activity, and synthesis. Includes looking at several case studies of drugs currently in use. Four class periods per week. **Prerequisite:** CHEM 492

CHEM 475 Topics in Organic Chemistry (4): Varied content from quarter to quarter related to theory and application of organic chemistry with specific areas listed in the class schedule. Four class periods per week. May be repeated with new content for additional credit. **Prerequisite:** CHEM 273

CHEM 485 Topics in Biochemistry (2-4): Varied content from quarter to quarter on theory and applications of biochemistry, with specific areas listed in the class schedule. **Prerequisite:** CHEM 492

CHEM 491 Biochemistry I (3): Basic concepts of biomolecules, including: buffers, amino acids, protein structure and dynamics, sugars and polysaccharides, lipids and membranes, enzymes and enzyme kinetics. **Prerequisite:** CHEM 273

CHEM 491L Biochemistry I Laboratory (1): Techniques of modern experimental biochemistry including: characterization of amino acids; sequencing of peptides; protein isolation, purification and characterization; protein-ligand binding interactions; polarimetric analysis of sugars; isolation of lipids; and enzyme kinetics. **Prerequisites:** CHEM 224 & 491 (can be concurrently enrolled)

CHEM 492 Biochemistry II (3): Molecular structure and function of biomolecules, including: carbohydrate metabolism and glycolysis; citric acid cycle; gluconeogenesis; glyoxylate pathway; pentose phosphate pathway; cytochrome system and oxidative phosphorylation; photosynthesis; and lipid, amino acid, and nucleotide metabolism. **Prerequisite:** CHEM 491

CHEM 492L Biochemistry II Laboratory (1): Techniques of modern experimental biochemistry including: isolation, purification and characterization of enzymes by techniques including affinity chromatography, electrophoresis, HPLC, photosynthesis, subcellular fractionation and enzymatic analysis. **Prerequisites:** CHEM 491L & 492 (can be concurrently enrolled)

CHEM 493 Biochemistry III (3): Additional functions of biomolecules including: nucleic acid structure; DNA replication, repair and recombination; transcription and reverse transcription; translation; viruses; and eukaryotic gene expression. **Prerequisite:** CHEM 492

CHEM 493L Biochemistry III Laboratory (1): Techniques of modern experimental biochemistry including: extraction and characterization of DNA from bacterial cells; micro- and semi-preparative-scale isolation and purification of plasmids; action of restriction enzymes on nucleic acids; binding of polyamines to DNA, followed by ethidium fluorescence assay; and isolation of rRNA and mRNA. **Prerequisites:** CHEM 492L & 493 (can be concurrently enrolled)

CHEM 498 Directed Research (1-4): Completion of an advanced laboratory research project under the direction of an on-campus faculty member or approved off-campus research supervisor. Minimum three laboratory hours per week, per unit of credit. A maximum of four units may be applied toward the major. **Prerequisite:** Consent of the department chair

CHEM 499 Directed Study (1-4): Independent advanced study of a chemically-related topic selected jointly by the student and a supervising chemistry faculty member. **Prerequisites:** Consent of the instructor & department chair

UNST 404D Senior Seminar: Religion, Values, and Social Responsibility in Chemistry (4): Senior Seminar: Religion, Values and Social Responsibility in Chemistry is the senior seminar culminating the University Studies program. Analyzing religious, moral and social issues within the student's major program of study, students will reflect on their own faith as they apply theoretical principles to specific problems of contemporary life. Students will integrate their values with their academic experiences and their professional aspirations by drawing on their service and knowledge. Students will examine their commitments to service as socially responsible members of their various communities. **Prerequisite:** Senior standing in department
Program in Communication

Department Faculty

Mary E. Wilson, Chair
Associate Professor of Communication (1994)
PhD University of Southern California 2001
Organizational communication, mass communication

Melissa Broton
Director of College Writing
Assistant Professor of English (2007)
PhD University of North Dakota, Grand Forks 2004
18th & 19th century British literature, Elizabeth Barrett
Browning, Milton

Carl Christman
Assistant Professor of Communication (2011)
MA California State University, Fullerton 2005
Speech, Video, Rhetorical Criticism

Sari Fordham
Assistant Professor of English (2007)
MFA University of Minnesota 2007
Creative writing, non-fiction, humor

Lora Geriguis
Director of Graduate Studies
Assistant Professor of English (2007)
PhD University of California, Riverside 1997
17th & 18th century British literature, colonialism, post-coloniality, literary criticism

Winona R. Howe
Professor of English (1991)
PhD University of California, Riverside 1991
Romantic and Victorian literature, children’s and young adult literature

Christine Law
Assistant Professor of Communication (2006)
PhD University of California, Santa Barbara 2010
Interpersonal communication, persuasion, news writing

Marilynn Loveless
Associate Professor of English (2007)
PhD Griffith University 2004
Drama, Shakespeare, screenwriting, media production

Sam McBride
Director of Pre-Foundational English
Associate Professor of English (2007)
PhD University of California, Riverside 1997
Twentieth century literature and fine arts, literary criticism, the inklings

Collaborating Faculty

Robert P. Dunn
Emeritus Professor of English (1968)
PhD University of Wisconsin 1970
RelM School of Theology at Claremont 1977
English renaissance, religion and literature

Elissa Kido
Professor of English (2001)
EdD Boston University 1980
Composition and Rhetoric

Nanci Geriguis-Mina
Instructor in Journalism (1996)
MA La Sierra University 1989
Public relations, news and featured writing

Degrees Offered

- Bachelor of Arts degree in Communication, with a required emphasis in one of the following areas: public relations/advertising or theory
- Minor in Communication

Preparation for teaching

Students interested in learning more about the preparation involved for teaching at the elementary and secondary levels, should refer to the Department of Curriculum and Instruction section in this bulletin.
The Mission of the English and Communication Department

The faculty of the Department of English and Communication recognize that communication, on both the personal and social levels, is the foundation of human interaction. Our mission is to understand ourselves and our world more fully by returning again and again to those linguistic forms which have continually shaped and reshaped us, which define and limit us and then wonderfully set us free—recast in new forms. We take language seriously as a tool of self- and social-understanding, as a means of entry into the life and responsibilities of the adult, the church member, and the citizen, and as a means to professional advancement, yet not so seriously as to overlook the important roles language plays in recreation and entertainment. Finally, the department emphasizes the importance of a liberal arts education with a firmly grounded knowledge of the communication process to prepare students for graduate education and for success in a wide variety of occupations.

Objectives

The department has three objectives: a) to enhance the creative and critical competency of all students across multiple modes of communication; b) to provide courses that assist students in understanding the complexity of their world by exploring literature and mass media as avenues to truth, social commentary, service, and self-understanding; c) to offer a well-balanced program that examines social and personal responsibilities within literary, theoretical, and cultural frameworks.

Communication Learning Outcomes

The English and Communication Department has six core learning outcomes for all majors. Students graduating should be able to:

1. Read and listen perceptively, analytically, and in an empathic way.
2. Write (create content) effectively for a variety of styles and genres.
3. Design and deliver effective presentations.
4. Analyze and critically evaluate texts.
5. Demonstrate knowledge of basic rhetorical and critical perspectives from classical traditions through contemporary innovations.
6. Retrieve, evaluate, and employ information.

DIRECTED STUDY POLICY

General provisions: Directed study is strongly discouraged on the undergraduate level. Exceptions will be made only for unusual cases (i.e., transfer students needing requirements, or department majors having taken all required courses) and will be considered, provided that the directed study does not duplicate earlier course work. Students may not take a directed study of a course that it is currently being offered. Only Communication majors may take COMM 299 and 499.

Approval Procedure: Complete a Directed/Independent Study Request Form, available at the Office of the Registrar. Submit the form first to the course instructor and then to the advisor, who will in turn present it to the department faculty. The form must be accompanied by a proposal explaining the need for directed study and outlining an intended study plan. Deadline for submitting the request is before the end of the 10th week of the preceding quarter.

INTERNSHIPS

Internships in journalism, public relations, radio, television, film, and advertising are available to qualified English and Communication majors. All internships must be approved by the internship director and will be graded on a satisfactory/unsatisfactory basis.

SENIOR EXIT INTERVIEW

Immediately prior to graduating, all seniors will be interviewed by the department chair. The results of the interview will be used by the department to assess its own effectiveness.

SENIOR PORTFOLIO

Students completing a major in English and/or Communication will prepare a portfolio of work that represents their La Sierra journeys. As part of their portfolio, they will analyze their work in an academic paper, paying particular attention to the department’s learning objectives. Specific requirements of the portfolio will be detailed in UNST 404E. Students will give a presentation over their portfolio to a committee of faculty members. The faculty will evaluate the portfolio as an assessment of students’ achievements. The portfolios will also be used by the department to assess its own effectiveness.

MAJORS

Bachelor of Arts

COMMUNICATION

Core Curriculum: (44 units) Required for all communication majors, for both public relations & strategic communication emphases.

Required:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>COMM 104</td>
<td>Fundamentals of Speech</td>
</tr>
<tr>
<td>COMM 226</td>
<td>Mass Media in Society</td>
</tr>
<tr>
<td>COMM 238</td>
<td>Introduction to Writing for the Print Media</td>
</tr>
<tr>
<td>COMM 244</td>
<td>Interpersonal Communication</td>
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</tbody>
</table>
Program in Communication

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>COMM 285</td>
<td>Communication Colloquium (1 unit)</td>
</tr>
<tr>
<td>COMM 288</td>
<td>Communication Theory I</td>
</tr>
<tr>
<td>COMM 328</td>
<td>Persuasion and Rhetoric</td>
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</tbody>
</table>

**Choice of:**

- COMM 338  Advanced Writing for the Print Media
- OR-
- COMM 339  Writing for the Digital Media

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>COMM 344</td>
<td>Gender and Communication</td>
</tr>
<tr>
<td>COMM 354</td>
<td>Advanced Public Speaking</td>
</tr>
<tr>
<td>COMM 485</td>
<td>Communication Colloquium (1 unit)</td>
</tr>
<tr>
<td>COMM 490</td>
<td>Communication Research Design</td>
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<tr>
<td>COMM 494</td>
<td>Internship (2 units)</td>
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University Studies Requirement:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MATH 155</td>
<td>Introductory Statistics (preferred)</td>
</tr>
<tr>
<td>OR choose from:</td>
<td></td>
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<tr>
<td>MATH 115</td>
<td>Application of Mathematics</td>
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<tr>
<td>-OR-</td>
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<tr>
<td>MATH 121</td>
<td>College Algebra</td>
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<td>-OR-</td>
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<tr>
<td>CPTG 117</td>
<td>Problem Solving Using Computer Programming</td>
</tr>
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The student chooses one of the following areas of emphasis:

**PUBLIC RELATIONS:**

Required: 72 units total (29 units upper division), as follows:

- Core Curriculum
- The courses listed below

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>COMM 215</td>
<td>Public Relations</td>
</tr>
<tr>
<td>COMM 237</td>
<td>Principles of Advertising</td>
</tr>
<tr>
<td>COMM 315</td>
<td>Public Relations Marketing and Development</td>
</tr>
<tr>
<td>ARTS 115</td>
<td>Design Principles</td>
</tr>
<tr>
<td>ARTS 116</td>
<td>Color for Artists and Designers</td>
</tr>
<tr>
<td>ARTS 194</td>
<td>Photoshop and Illustrator Image Creation</td>
</tr>
<tr>
<td>ARTS 255</td>
<td>Photography</td>
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</table>

Students will be advised to take as electives:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ARTS 248</td>
<td>Introduction to Graphic Design</td>
</tr>
<tr>
<td>ARTS 344</td>
<td>Typography</td>
</tr>
<tr>
<td>ARTS 345</td>
<td>Visual Communication Design</td>
</tr>
<tr>
<td>MKTG 305</td>
<td>Marketing Principles</td>
</tr>
<tr>
<td>MKTG 374</td>
<td>Consumer Behavior</td>
</tr>
<tr>
<td>ECON 255</td>
<td>Principles of Microeconomics</td>
</tr>
</tbody>
</table>

**MINOR COMMUNICATION**

Required: 32 units (16 upper division), as follows:

- The courses listed below
- Remaining units to be selected in consultation with advisor

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>COMM 202</td>
<td>Communication in Society</td>
</tr>
<tr>
<td>COMM 226</td>
<td>Mass Media in Society</td>
</tr>
<tr>
<td>COMM 244</td>
<td>Interpersonal Communication</td>
</tr>
<tr>
<td>COMM 288</td>
<td>Communication Theory I</td>
</tr>
<tr>
<td>COMM285/485</td>
<td>Communication Colloquium</td>
</tr>
</tbody>
</table>

**COURSES**

A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.

**LOWER DIVISION**

**COMM 104 Fundamentals of Speech (4):** Oral communication of ideas to others; self-appraisal; evaluation of the speech of others. Includes practice in preparation and delivery of public speeches. Prerequisite: Placement examination performance satisfactory for entrance to ENGL 111 (Students for whom English is a second language must first complete ENGL 111)

**COMM 170 Experience Communication (4):** Designed for non-majors, this course is not applicable to the Communication major. COMM 170 offers a broad overview of the field of Communication: Interpersonal, Mass Media, and Communicating across cultures. Prerequisite: ENGL 111 or ENGL 124 (can be concurrently enrolled)

**COMM 202 Communication in Society (4):** Examines the role of communication in social change and social movements, including, but not limited to, media campaigns, grassroots
Program in Communication

movements, and linguistic determinism (the concept that how language is used influences how human beings think and/or act). One example was the political impact of rephrasing the estate tax as the “death tax.” If the expression “words have power” is accepted, one still needs to examine what kind of power they have and how such power operates. Special emphasis will be placed on ethical use of communication in the societal context. Offered alternate years. Prerequisite: ENGL 113 or ENGL 124

COMM 206 Introduction to Media Technologies (4): An introduction to the theories, principles, and techniques of mass media, including print, television, film, radio, and Internet-based multimedia. Includes the preparation, production, presentation, and critical analysis of media content. Students will complete page layout, audio and video production and web-page design projects making extensive use of computers. Offered alternate years.

Prerequisite: ENGL 113 or ENGL 124

COMM 215 Public Relations (4): An examination of the use of communication strategies in public relations in both profit and nonprofit organizations. Topics include the history of public relations, use of media in PR, as well as ethical and legal responsibilities. Students may be required to participate in the development of a public relations campaign or work in a PR office. Offered alternate years. Prerequisite: ENGL 113 or ENGL 124

COMM 226 Mass Media in Society (4): Examines the role of print and broadcast media in a democratic society. Social-media issues are viewed as contributing to or reflecting the values, tensions, and conflict in society. Prerequisite: ENGL 113 or ENGL 124

COMM 237 Principles of Advertising (4): A survey of advertising theory and practice. Also an introduction to media and audience analysis. Offered alternate years. Prerequisite: ENGL 113 or ENGL 124

COMM 238 Introduction to Writing for the Print Media (4): Introduction to basic skills of print news writing, news-gathering, interviewing, news judgment, and construction of print news stories. Social responsibility and ethical framework for journalists is emphasized. Ability to use word processing software required. Cross-listed as ENGL 238. Prerequisite: ENGL 113 or ENGL 124

COMM 244 Interpersonal Communication (4): Examines face-to-face dialogue. Investigates elements important for effective communication in contexts such as interviews, counseling sessions, public speaking, social conversation, and problem-solving groups. Study of various frameworks used to describe and explain interpersonal communication. Prerequisite: ENGL 113 (can be concurrently enrolled) or ENGL 124

COMM 246E Introduction to Acting (4): A survey of the craft, philosophy, and theory of acting involving close analysis, evaluation, and discussion of a written text in preparation for formal presentations and guided feedback on peer presentations. Through written assignments and a journal, students will respond to both written and performed texts which focus on exploring issues of diversity including race, ethnicity, gender, social class, and religion. Cross-listed as DRAM 246E and ENGL 246E

COMM 264 Topics in Communication (1-4): Courses in various content areas (communication, journalism, public relations, advertising, broadcasting, and aesthetics). Some topics, especially those involving debate, are taught on a yearly cycle. See class schedule each quarter for possible offerings. May be repeated with new content for additional credit.

COMM 264C Edutainment (4): This course examines entertainment with purposeful and planned educational objectives. Students will utilize communication theory, research, and various media to produce “fun” activities that teach prosocial behaviors and/or educational lessons. The course integrates service and academic learning. The practical application of theory and learned materials will help students gain a greater understanding of the concepts addressed in this course. Prerequisite: ENGL 113 or ENGL 124; or consent of the instructor

COMM 264O Oral Interpretation (4): This course provides an introductory study of the various types of interpretative literature with a view toward its understanding for the purpose of public presentation. The fundamental theory of the course is that only when a student understands a literary selection can any reliable performance preparation begin. The course will be offered alternate years.

COMM 285 Communication Colloquium (1): Lower division course required of all majors. Issues pertinent to the discipline. A student with three or more years of residence requires 1.0 unit of 285 and 1.0 unit of 485. Cross-listed as ENGL 285.

COMM 288 Communication Theory I (4): Introductory survey of fundamental content in communication. Focuses on the practical usefulness of a social science approach to the study of communication (description, explanation, prediction, and application). Prerequisite: ENGL 113 or ENGL 124
COMM 297 Drama Production: Preparation and formal performance of a dramatic production through the English and Communication department. Students may receive credit for a variety of tasks, including acting, lighting, staging, etc. All sections are cross-listed as DRAM 297 & as ENGL 297. See below for specific topics. Course descriptions are listed under DRAMA.

- COMM 297A Performance (1-2)
- COMM 297B Technical Production (1-2)
- COMM 297C Technical Design (1-2)
- COMM 297D PR & Publications (1-2)
- COMM 297E Directing (1-2)
- COMM 297F Play Reading (1-2)

COMM 299 Directed Study (1-4): Lower division independent study in consultation with an advisor. May be repeated for additional credit to a maximum of 4 units. See policy above. *Prerequisite: Consent of the instructor*

**UPPER DIVISION**

COMM 304 Advanced Expository Writing (4): Advanced study of writing forms with particular emphasis on creative nonfiction and argument. An application of purpose, audience, rhetorical modes and devices enables students to develop voice and effective expression of ideas. Cross-listed as ENGL 304. *Prerequisite: 4 units at the 200 level in English & ENGL 113 or 124*

COMM 315 Public Relations Marketing and Development (4): A class designed for advanced students that focuses on the role of public relations as a contemporary marketing tool. Corporate identity and image development, fund-raising, and community responsibility are also emphasized. Offered alternate years. *Prerequisites: COMM 215 & 238*

COMM 328 Persuasion and Rhetoric (4): The psychology of persuasion. Classical concepts and communication theory research from psychology and modern behavioral studies. Practice in oral and written forms.

COMM 338 Advanced Writing for Print Media (4): Refines news writing skills acquired in COMM 238, extending to cross-media content, copy-editing and print production layout, headline and caption writing, the analyses of major 20th century journalists. Assignments in the shorter forms of general and specialized media feature stories including: the profile, the light feature, the news feature, and the in-depth story. Cross-listed as ENGL 338. Offered alternate years. *Prerequisite: COMM 238*

COMM 339 Writing for the Digital Media (4): Application of the fundamental media writing skills acquired in COMM 238 (and COMM 338) to the special needs of digital media. Digital media differ from print media in three significant ways: the medium itself, the addition of audio and motion content, and the non-linear nature of many digital media products. Planning, writing, and developing digital media products will be the focus. Also emphasizes basic technical skills for digital audio and video as well as web page creation. Basic computer skills required. Cross-listed as ENGL 339. Offered alternate years. *Prerequisite: COMM 238*

COMM 344 Gender and Communication (4): Focuses on the interactive relationships between gender and communication in contemporary American society.

COMM 354 Advanced Public Speaking (4): Expanding on the essentials of public speaking, this course emphasizes the development of individual style as a speaker. Through a set of seven speeches, students will improve their public speaking-related skills and develop an understanding of speaking style. Includes an on-camera speech. Offered alternate years. *Prerequisite: COMM 104*

COMM 365 Organizational Communication (4): Broad overview to the study of organizational communication. Theories and communication processes relevant to contemporary organizations are discussed. Offered alternate years. *Prerequisite: COMM 288*

COMM 405 Creative Writing: Advanced theoretical and practical application of writing techniques. Focus is provided in a genre. All sections are cross-listed as ENGL 405. *Prerequisite: ENGL 113 or ENGL 124*

COMM 405A Short Story (4): Students will read short stories by masters of the craft paying attention to the methods they use to shape their fiction. Students will apply these tools in their own work as they write, workshop, and revise. *Prerequisite: ENGL 113 or ENGL 124, & ENGL 205*

COMM 405B Poetry (4): While investigating the methods of the great poets of the Romantic, Modern, and Contemporary eras, students will write their own original verse with eye towards form, rhythm, and imagery. *Prerequisite: ENGL 113 or ENGL 124, & ENGL 205*

COMM 405C Playwriting (4): Advanced theoretical and practical application of playwriting techniques. While consulting models from a variety of historical eras, writers will brainstorm, draft, and revise a full one-act play. Techniques of character invention, plot construction, and dialogue will be practiced in a workshop setting. *Prerequisite: ENGL 113 or ENGL 124, & ENGL 205*

COMM 405D Screenwriting (4): Advanced theoretical and practical application of scriptwriting techniques. Film, television, and radio scripts are the focus of the course. Techniques of narrative and documentary storytelling will be emphasized equally with media and format standards. Students will complete a variety of scripts for different media and genres during the quarter. *Prerequisite: ENGL 113 or ENGL 124, & ENGL 205*
COMM 405E Humor Writing (4): Students will read humor literature, paying attention to what makes the pieces funny. Students will apply these tools in their own work as they write, workshop, and revise. **Prerequisite: ENGL 113 or ENGL 124, & ENGL 205**

COMM 405F The Long Project (4): Students will consider what it means to tell a story for the larger canvas—be it fiction or memoir. Students will read books in each, examining such craft issues as structure, point of view, plot, theme, and characterization. Students will write a book proposal and two sample chapters. **Prerequisite: ENGL 113 or ENGL 124, & ENGL 205**

COMM 405G Memoir (4): Students will read memoirs by masters of the craft, paying attention to the tools they use to shape their narratives. Students will apply these tools in their own work as they write, workshop, and revise. **Prerequisite: ENGL 113 or ENGL 124, & ENGL 205**

COMM 406 Writing for Publication (4): Students will analyze writing venues, writing guidelines, and published pieces. They will write, workshop, and revise, submitting work for publication at the end of the quarter. Cross-listed as ENGL 406. **Prerequisites: 4 units at the 200-level in English & ENGL 113 or ENGL 124, & ENGL 205**

COMM 407 Writing for Children (4): Focuses on fundamental tools and techniques of writing for children and their practical application. Students will work on a number of projects as they develop their individual style and creativity through written assignments. Cross-listed as ENGL 407. **Prerequisite: ENGL 113 or ENGL 124**

COMM 405L Advanced Advertising (4): Using the basic principles of advertising, along with modern design skills, this class is built around the simulated advertising agency experience and critique of professional advertisements. Three clients’ (two assigned and one open choice) needs are addressed by in-class agency groups to develop campaign “pitches.” Students are free to focus on individual interests within the requirements of the agency and are expected to document their individual work within their agency and turn in their advertising campaign portfolios. **Prerequisites: ARTS 248, ARTS 345, & COMM 237. Restriction: Only for students with junior or senior standing**

COMM 406L Internship (2-8): On-the-job experience arranged and supervised for students. Internships must be arranged in coordination with the internship director. Students may take up to eight units of internship; however, not all eight units need to be in the same internship. Graded on a Satisfactory/Unsatisfactory basis. **Restriction: For advanced department majors only**

COMM 407L Entry Writing (4): Focuses on the wide variety of writing both for and about children. Students will work on a number of projects as they develop their individual style and creativity through written assignments. Cross-listed as ENGL 407. **Prerequisite: ENGL 113 or ENGL 124**

COMM 408 Communication Theory II (4): Seeks to develop frameworks for explaining and better understanding human communication. Analyzes theoretical models of the process of communication from a wide variety of disciplinary bases. Offered alternate years. **Prerequisite: COMM 288**

COMM 409 Communication Research Design (4): Conversational analysis, discourse analysis, content analysis, and empirical research are introduced. Both “contemporary” and “communication” methods of scholarly inquiry are examined. Traditional social scientific empiricism is blended with analytical and critical methods derived from the arts and humanities. Offered alternate years. **Prerequisites: COMM 288 & MATH 155, or MATH 251, or ECON 241**

COMM 410 Communication Colloquium (1): Upper division course required of all majors. Issues pertinent to the discipline. A student with three or more years of residence requires 1.0 unit of 285 and 1.0 unit of 485. Cross-listed as ENGL 485.

COMM 411 Classical Rhetoric and Criticism (4): A consideration of the formative theories of persuasion and interpretation, dating from the Greek, Roman, and early Christian eras. Particular emphasis is given to the relevance of classical theory to contemporary rhetoric and literature. Offered alternate years. Cross-listed as ENGL 487A and PHIL 487A.

COMM 412 Communication Colloquium (1): Upper division course required of all majors. Issues pertinent to the discipline. A student with three or more years of residence requires 1.0 unit of 285 and 1.0 unit of 485. Cross-listed as ENGL 485.

COMM 413 Communication Research Design (4): Conversational analysis, discourse analysis, content analysis, and empirical research are introduced. Both “contemporary” and “communication” methods of scholarly inquiry are examined. Traditional social scientific empiricism is blended with analytical and critical methods derived from the arts and humanities. Offered alternate years. **Prerequisites: COMM 288 & MATH 155, or MATH 251, or ECON 241**

COMM 414 Internship (2-8): On-the-job experience arranged and supervised for students. Internships must be arranged in coordination with the internship director. Students may take up to eight units of internship; however, not all eight units need to be in the same internship. Graded on a Satisfactory/Unsatisfactory basis. **Restriction: For advanced department majors only**

COMM 415 Communication Research Design (4): Conversational analysis, discourse analysis, content analysis, and empirical research are introduced. Both “contemporary” and “communication” methods of scholarly inquiry are examined. Traditional social scientific empiricism is blended with analytical and critical methods derived from the arts and humanities. Offered alternate years. **Prerequisites: COMM 288 & MATH 155, or MATH 251, or ECON 241**

COMM 416 Internship (2-8): On-the-job experience arranged and supervised for students. Internships must be arranged in coordination with the internship director. Students may take up to eight units of internship; however, not all eight units need to be in the same internship. Graded on a Satisfactory/Unsatisfactory basis. **Restriction: For advanced department majors only**
**COMM 497 Drama Production**: Preparation and formal performance of a dramatic production through the English and Communication Department. Students may receive credit for a variety of tasks, including acting, lighting, staging, etc. All sections are cross-listed as DRAM 497 & as ENGL 497. See below for specific topics. Descriptions are listed under DRAMA. *Restriction for all sections: Only for students with junior or senior standing*

- COMM 497A Advanced Performance (1-2)
- COMM 497B Advanced Technical Production (1-2)
- COMM 497C Advanced Technical Design (1-2)
- COMM 497D Advanced PR & Publications (1-2)
- COMM 497E Advanced Directing (1-2)
- COMM 497F Advanced Play Reading (1-2)

**COMM 499 Directed Study (1-4)**: Upper division independent study in consultation with an advisor. See policy above. *Restriction: For advanced department majors only*

**UNST 404E Religious, Moral & Social Aspects of Communication (4)**: A review and critique of mimetic, theological and communication theories in an attempt to understand how belief is created, expressed, and sustained. Does not apply to a major or minor. UNST 404E is for Communications majors only; UNST 404F is for English majors only. *Restriction: Students must be seniors*
Program in Computer Science & Information Systems

Department Faculty

Barbara Kreaseck, Chair  
Professor of Computer Science (1989)  
PhD University of California, San Diego 2003  
Program analysis, distributed computation

Vernon W. Howe  
Professor of Mathematics and Computer Science (1974)  
PhD Dartmouth College 1971  
Algebra, modeling, theoretical computer science

Enoch O. Hwang  
Professor of Computer Science (1988, 1999)  
PhD University of California, Riverside 1999  
Databases, networking, hardware

Ping-Herng Denny Lin  
Assistant professor of Computer Science (2001)  
MS California State University, Fullerton 2002  
Software engineering, distance learning

Cheng F. Ng  
Professor of Computer Science (1991, 2002)  
PhD University of California, Irvine 1991  
Algorithms, data structures

Collaborating Faculty

Hilmer W. Besel  
Emeritus Professor of Mathematics and Computer Science (1960)  
MA University of Nebraska 1952  
Compiler theory, computer architecture

Degrees Offered

- Bachelor of Science degrees in:  
  - Computer Science  
  - Information Systems  
  - Minor in Computer Science

Preparation for teaching

Students interested in learning more about the preparation involved for teaching at the elementary and secondary levels, should refer to the Department of Curriculum and Instruction section in this bulletin.

OBJECTIVES

The department provides a curriculum in computer science to provide a technological background for all liberal arts students, as a basic tool for students entering a wide variety of vocations, and as a preparation for professionals in the computing industry and for graduate study.

Learning Outcomes

The program in Computer Science and Information Systems has eight core learning outcomes for all majors. Students graduating should:

1. Be able to correctly analyze problems for possible computer solutions; design and implement efficient solutions.
2. Understand how core data structures work; be able to implement and apply them to solve problems.
3. Know how machine instructions are stored and executed; be able to program at the machine/assembly language level.
4. Understand professional ethics and the impact of computers on society.
5. Be able to design a large-scale software system.
6. Be able to communicate and work effectively in a team environment.
7. Be able to design appropriate test data for a given software solution/application.
8. Be able to develop software solutions in more than one high-level language.

Students graduating in Computer Science additionally should:

1. Understand the concept and design of computer architecture components such as adders, ALU, memory, cache, control unit, data path, CPU.
2. Understand the core network protocols and be able to design/implement programs that utilize them.
3. Understand the components of an operating system such as resource scheduling, memory management, process management, security.

Students graduating in Information Systems additionally should:

1. Be able to analyze/understand the informational needs of an organization and to provide a high-level design of an information system.
**MAJORS**

Bachelor of Science

**COMPUTER SCIENCE**

Required: 78 units, as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>CPTG 121</td>
<td>Introduction to Computer Science I</td>
</tr>
<tr>
<td>CPTG 122</td>
<td>Introduction to Computer Science II</td>
</tr>
<tr>
<td>CPTG 244</td>
<td>Data Structures</td>
</tr>
<tr>
<td>CPTG 245</td>
<td>Computer Organization and Assembly Language Programming</td>
</tr>
<tr>
<td>CPTG 255</td>
<td>Systems and Network Programming</td>
</tr>
<tr>
<td>CPTG 324</td>
<td>Programming Languages</td>
</tr>
<tr>
<td>CPTG 345</td>
<td>Digital Logic Design</td>
</tr>
<tr>
<td>CPTG 434</td>
<td>Operating Systems</td>
</tr>
<tr>
<td>CPTG 445</td>
<td>Computer Architecture</td>
</tr>
<tr>
<td>CPTG 455</td>
<td>Software Engineering</td>
</tr>
<tr>
<td>MATH 131</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 132</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MATH 133</td>
<td>Calculus III</td>
</tr>
<tr>
<td>MATH 231</td>
<td>Introduction to Linear Algebra &amp; Discrete Mathematics</td>
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<tr>
<td>MATH 276</td>
<td>Discrete Mathematics</td>
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Plus, choice of 2 units from:

<table>
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<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>CPTG 485</td>
<td>Seminar</td>
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<tr>
<td>MATH 485</td>
<td>Seminar</td>
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Plus, choice of 16 additional units from the following (at most 8 from MATH):

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>CPTG 334</td>
<td>Systems Analysis</td>
</tr>
<tr>
<td>CPTG 364</td>
<td>Analysis of Algorithms</td>
</tr>
<tr>
<td>CPTG 424</td>
<td>Database Design and Management</td>
</tr>
<tr>
<td>CPTG 454</td>
<td>Compiler Theory</td>
</tr>
<tr>
<td>CPTG 486</td>
<td>Topics in Computer Science</td>
</tr>
<tr>
<td>CPTG 494</td>
<td>Internship</td>
</tr>
<tr>
<td>CPTG 499</td>
<td>Directed Study</td>
</tr>
<tr>
<td>MATH 361</td>
<td>Numerical Methods I</td>
</tr>
<tr>
<td>MATH 362</td>
<td>Numerical Methods II</td>
</tr>
<tr>
<td>MATH 461</td>
<td>Biomathematical Modeling I</td>
</tr>
<tr>
<td>MATH 462</td>
<td>Biomathematical Modeling II</td>
</tr>
</tbody>
</table>

Required Cognates:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>PHYS 231</td>
<td>General Physics I</td>
</tr>
<tr>
<td>PHYS 232</td>
<td>General Physics II</td>
</tr>
</tbody>
</table>

**INFORMATION SYSTEMS**

Required: 54 units, as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>CPTG 121</td>
<td>Introduction to Computer Science I</td>
</tr>
<tr>
<td>CPTG 122</td>
<td>Introduction to Computer Science II</td>
</tr>
<tr>
<td>CPTG 226</td>
<td>File Processing</td>
</tr>
<tr>
<td>CPTG 244</td>
<td>Data Structures</td>
</tr>
<tr>
<td>CPTG 245</td>
<td>Computer Organization and Assembly Language Programming</td>
</tr>
<tr>
<td>CPTG 324</td>
<td>Programming Languages</td>
</tr>
<tr>
<td>CPTG 334</td>
<td>Systems Analysis</td>
</tr>
<tr>
<td>CPTG 424</td>
<td>Database Design and Management</td>
</tr>
<tr>
<td>CPTG 445</td>
<td>Computer Architecture</td>
</tr>
<tr>
<td>MATH 131</td>
<td>Calculus I</td>
</tr>
</tbody>
</table>

Plus, choice of two units from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPTG 485</td>
<td>Seminar</td>
</tr>
<tr>
<td>MATH 485</td>
<td>Seminar</td>
</tr>
</tbody>
</table>

Plus, choice of 12 additional units of upper division computer science or mathematics courses

Required Cognates:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ACCT 211</td>
<td>Financial Accounting I</td>
</tr>
<tr>
<td>ACCT 212</td>
<td>Managerial Accounting</td>
</tr>
<tr>
<td>ECON 254</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECON 255</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>ECON 444</td>
<td>Operations Research Methods</td>
</tr>
<tr>
<td>MGMT 304</td>
<td>Management and Organizational Behavior</td>
</tr>
<tr>
<td>MGMT 356</td>
<td>Human Resource Management</td>
</tr>
</tbody>
</table>

Plus, choice of:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 155</td>
<td>Introductory Statistics</td>
</tr>
<tr>
<td>ECON 241</td>
<td>Managerial Statistics</td>
</tr>
</tbody>
</table>

**MINOR**

**COMPUTER SCIENCE**

Required: 36 units, as follows:

- The courses listed below
- 12 additional units of upper division CPTG
- 8 units of additional coursework, selected with departmental approval

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CPTG 121</td>
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<td>CPTG 244</td>
<td>Data Structures</td>
</tr>
<tr>
<td>CPTG 245</td>
<td>Computer Organization and Assembly Language Programming</td>
</tr>
</tbody>
</table>

Required Cognates:
LOWER DIVISION

CPTG 104 Introduction to Information Systems (4): Conceptual basis of computer operations and logic; introduction to use of word processing, spreadsheet, database, and Internet access software. Applications to both personal and business problems. Prerequisite: MATH 007 or appropriate score on placement examination.

CPTG 117 Problem Solving Using Computer Programming (4): An introduction to problem solving using computer programming. This course fulfills the general studies foundational mathematics requirement. Topics will be chosen from the history of computing, basic computer operation, algorithms, and programming constructs such as variables, expressions, input/output, data types, control structures, and functions. Does not apply to any mathematics or computer science program, but may be useful for students wanting additional preparation for CPTG 121. Three class periods, one three-hour laboratory per week. Prerequisite: MATH 007 or appropriate score on placement examination.

CPTG 121 Introduction to Computer Science I (4): Solving problems through structured programming of algorithms on computers, using an object-oriented language. Topics include variables, expressions, input/output, branches, loops, functions, parameters, arrays and strings. Also covers software design, testing and debugging. Three class periods, one three-hour laboratory per week. Prerequisite: MATH 121.

CPTG 122 Introduction to Computer Science II (4): Structured and object-oriented programming, emphasizing good programming principles and development of substantial programs. Topics include searching and sorting arrays, strings, classes, inheritance, polymorphism, virtual functions, pointers, abstract data types, and libraries. Three class periods, one three-hour laboratory per week. Prerequisite: CPTG 121.

CPTG 226 File Processing (4): The file processing environment, records and blocking, various file access methods, file maintenance, control systems, and utilities. Prerequisite: CPTG 122.

CPTG 244 Data Structures (4): Basic data structures such as lists, stacks, queues, priority queues (heaps), binary search trees and hashing. Sorting algorithms. Three class periods, one three-hour laboratory per week. Prerequisite: CPTG 122.


CPTG 255 Systems and Network Programming (4): Programming projects using application program interfaces in the operating system and distributed environment. Projects selected from file services, concurrent processes, inter-process communications, sockets, remote procedure calls, TCP/IP, network protocols. Prerequisite: CPTG 244.

CPTG 286 Programming (1-4): Instruction in a specific computer language for the advanced programmer. May be repeated, provided a different language is used. Prerequisite: CPTG 122.

CPTG 299 Directed Study (1-4): A lower division level study of topics or problems not covered in courses currently being taught. Prerequisite: Consent of the department chair.

UPPER DIVISION

CPTG 324 Programming Languages (4): A formal definition of programming languages, including specification of syntax and semantics. Study of the design and implementation of high-level languages. Offered alternate years. Prerequisites: CPTG 244 & 245.

CPTG 334 Systems Analysis (4): Approaches to the analysis and design of management and information systems. Offered alternate years. Prerequisite: CPTG 244.

CPTG 345 Digital Logic Design (4): Design of digital systems. Topics include Boolean algebra, combinational and sequential logic design, design and use of arithmetic-logic units, carry-lookahead adders, multiplexers, decoders, comparators, multipliers, flip-flops, registers, and simple memories. Laboratories involve use of hardware description languages, synthesis tools, programmable logic, and hardware prototyping. Three class periods, one three-hour laboratory per week. Offered alternate years. Prerequisite: CPTG 245.

CPTG 364 Analysis of Algorithms (4): Techniques for the design and analysis of efficient algorithms, including divide-and-conquer, greedy algorithms, and dynamic programming. Applications selected from scheduling, matching, text-pattern processing, combinatorics, graphs, and advanced data structures. Offered alternate years. Prerequisites: CPTG 244 & MATH 276.

CPTG 424 Database Design and Management (4): Data models, data description languages, query languages, file organization, data security and reliability. Offered alternate years. Prerequisite: CPTG 244.
CPTG 434 Operating Systems (4): Study of the design and implementation of operating systems. CPU management, memory management, process management, file systems, scheduling, protection and security. Offered alternate years.  
Prerequisites: CPTG 244 & 245

Prerequisites: CPTG 244 & 245

CPTG 454 Compiler Theory (4): Fundamentals of compiler design, lexical analysis, parsing, semantic analysis, code generation, and error detection. Offered alternate years.  
Prerequisite: CPTG 324

CPTG 455 Software Engineering (4): Concepts and methodologies of object-oriented analysis and software design. Students will discuss and implement moderately large software systems as team projects. Three class periods, one three-hour laboratory per week. Offered alternate years.  
Prerequisites: CPTG 324 or CPTG 334; & ENGL 113 or ENGL 124

CPTG 485 Seminar (0.5-2): Informal seminars dealing with topics chosen from areas of pure or applied mathematics or computer science, which are not usually covered in regular mathematics or computer science courses. Level of accessibility may vary by topic. May be repeated with new content for additional credit. Four units maximum may be counted on any program in the Department of Mathematics and Computer Science. Cross-listed as MATH 485. May not register for both CPTG 485 and MATH 485 during the same term.  
Prerequisite: MATH 131

CPTG 486 Topics in Computer Science (2-4): Content determined by interests of faculty and students, with specific areas listed in class schedule. May be repeated with new content for additional credit.  
Prerequisites: CPTG 244 & 245

CPTG 494 Internship (0-8): A minimum of 10 weeks of structured and supervised work experience. Credit given for only one internship. May be registered for more than one term. Total credit limited to a maximum of 8 units.  
Prerequisites: CPTG 244, 245, 4 units of upper-division CPTG courses & consent of the department chair.  
Restriction: Limited to juniors and seniors majoring in computer science/information systems

CPTG 499 Directed Study (1-4): An upper division level study of topics or problems not covered in courses currently being taught. May be repeated for additional credit.  
Prerequisites: CPTG 244, 245 & consent of the department chair.  
Restriction: Limited to majors in the Department of Mathematics and Computer Science
Program in Criminal Justice

**Department Faculty**

Lisa M. Murphy  
Assistant Professor of Criminal Justice (2010)  
PhD University of California, Riverside 2007  
Victimology, Methods of Research, Gender

Cindy Parkhurst  
Associate Professor of Criminal Justice (2011)  
MLIS San Jose State University (1994)  
JD Willamette University (1988)  
Criminal Law and Procedure

**Collaborating Faculty**

Sean E. Evans  
Assistant Professor of Psychology (2010)  
PhD Loma Linda University 2005  
Clinical Psychology, Forensic Psychology

In-Kyeong Kim  
Professor of Psychology (1995)  
PhD Cornell University 1990  
Cognitive psychology, perceptual and cognitive development, eye witness memory

**Degrees Offered**

- Bachelor of Science degree in Criminal Justice  
(Please note this is an off campus ONLY program)

**Mission Statement and Objectives**

The program offers an interdisciplinary curriculum that provides educational opportunities for students at the baccalaureate levels. The objective of the program is to prepare students to seek entry level positions in the criminal justice system (public and private sector) and/or for admission to graduate programs in law and other related fields. The program also prepares students with a strong foundation for critical, balanced, and responsible administrative responses to the changing dynamics in the field of Criminal Justice.

**Criminal Justice Program’s Student Learning Outcomes**

Students who graduate from the program will:

1. Know and understand the basic foundation of the major components of the criminal justice system (i.e., law enforcement, courts, prosecution, and corrections).
2. Identify issues and apply theories and principles of substantive and procedural criminal law that regulate the criminal justice system.
3. Use critical thinking skills to assess and explain theories, policies, practices and processes of the criminal justice system.
4. Identify the major historical and contemporary issues, policies, programs, and events using the lenses of race, ethnicity, culture, gender, and religion.
5. Demonstrate research skills necessary in the criminal justice system including information literacy in searching, analyzing, synthesizing, and reporting data relevant to the field of criminal justice.
6. Demonstrate effective oral and written skills as it applies to the basic knowledge of information technology related to the criminal justice field.
7. Exhibit knowledge of ethical principles and attitudes of professional responsibility in the field of criminal justice.

**MAJORS**

**Bachelor of Science**

**CRIMINAL JUSTICE**

Required: 72 units as follows:

Core Requirement: 51 units as follows:

- The following courses
- Remaining units from upper division CJUS courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>CJUS 105</td>
<td>Introduction to the Criminal Justice System</td>
</tr>
<tr>
<td>CJUS 205</td>
<td>The American Criminal Court System</td>
</tr>
<tr>
<td>CJUS 231</td>
<td>Criminal Law</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
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</tr>
<tr>
<td>CJUS 232</td>
<td>Criminal Procedure and the U.S. Constitution</td>
</tr>
<tr>
<td>CJUS 245</td>
<td>Policing</td>
</tr>
<tr>
<td>CJUS 334</td>
<td>Ethics and the Administration of Criminal Justice</td>
</tr>
<tr>
<td>CJUS 344</td>
<td>Corrections in America</td>
</tr>
<tr>
<td>CJUS 347</td>
<td>Criminology</td>
</tr>
<tr>
<td>CJUS 354</td>
<td>Interpersonal Communication for Criminal Justice Professionals</td>
</tr>
<tr>
<td>CJUS 381</td>
<td>Introduction to Research Methods and Statistics: Description and Correlation</td>
</tr>
<tr>
<td>CJUS 382</td>
<td>Research Methods</td>
</tr>
<tr>
<td>CJUS 408</td>
<td>Public Policy in Criminal Justice</td>
</tr>
<tr>
<td>CJUS 219</td>
<td>Criminal Justice Colloquium (0.5 units for each year in residence up to 4 years, minimum of 0.5 units)</td>
</tr>
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Required Cognates:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>UNST 404CJ</td>
<td>Senior Seminar: Religious, Moral &amp; Social Aspects of Criminal Justice</td>
</tr>
<tr>
<td>MATH 155</td>
<td>Introductory Statistics</td>
</tr>
</tbody>
</table>

Notes:

Individual graduate programs require specific classes. Please consult program-specific entrance requirements.

**COURSES**

*Students in the Criminal Justice Program must receive a grade of C or better in CJUS 105 before proceeding to subsequent Criminal Justice courses.*

**LOWER DIVISION**

**CJUS 105 Introduction to the Criminal Justice System (4):** Introduction to the history, philosophy, and function of the major components of the criminal justice system. Topics include an overview of the criminal justice system; the interrelationship of law enforcement, courts, prosecution and corrections; definitions of and explanations for crime; criminal law; and due process of law.

**CJUS 106 Forensic Science Principles and Crime Scene Investigation (4):** As an introduction to forensic science and its application to criminal investigations, this class includes topics such as forensic photography, firearms and tool mark identification, the examination of questioned documents, hair and fiber analysis, serology, instrumental analysis, forensic pathology and odontology and forensic psychology.

**CJUS 110 Introduction to Special Topics in Criminal Justice (4):** As an introduction to special topics in law enforcement, courts and corrections, this class will provide an overview of special topics including, but not limited to, serial killers, Homeland Security, criminal profiling, death penalty, and police use of force. Students will be expected to research, analyze and present findings on these topics.

**CJUS 205 The American Criminal Courts System (4):** An exploration into the federal, state and local court structure of the United States court system. Topics include types of court jurisdiction, due process of defendants, differences between the federal and state courts and the fundamental organizational structure of both systems, and issues such as bail, grand jury, arraignment, plea bargaining, criminal trial, sentencing, and appeals. **Prerequisite: ENGL 111**

**CJUS 219 Criminal Justice Colloquium (0.5):** Colloquium devoted to exploring current topics in criminal justice and professional issues in the field. Students register for this colloquium each year of residence as a criminal justice major. S/U grade. May be repeated up to 4 times for credit. Attendance at nine colloquia is required per half-unit of enrollment. **Prerequisite: ENGL 111**

**CJUS 231 Criminal Law (4):** Overview of the history and development of substantive criminal law. Topics include the types of crime, common law, statutory law, elements of a crime; accomplice liability, inchoate crimes, crimes against a person and property, principles of justification and excuse of the defendant such as self defense, insanity and diminished capacity. **Prerequisite: ENGL 111**

**CJUS 232 Criminal Procedure and the US Constitution (4):** Examination into the procedural due process of law and its protections guaranteed by the United States Constitution. Topics include search and seizure under the Fourth Amendment, prohibition against self incrimination under the Fifth Amendment, the Sixth Amendment right to assistance of counsel, and the legal procedures before trial, during trial and post trial. **Prerequisite: ENGL 111**

**CJUS 245 Policing (4):** This course examines contemporary policing and its function within the criminal justice system. Students will gain knowledge of the history and structure of policing and understand the central tenets of the criminal justice system including police, courts and corrections. **Prerequisite: ENGL 111**

**CJUS 295 Directed Research (1-4):** Research project under the direction of a faculty member or an approved off-campus research supervisor. May be repeated for additional credit and may extend through a second or third quarter. Approximately 40 clock hours of work per quarter per unit of credit. **Prerequisite: consent of instructor & a minimum GPA of 2.5**
CJUS 299 Directed Study (1-4): Limited to Criminal Justice majors who wish to pursue independent investigations in Criminal Justice under the direction of a program faculty member. Approximately 40 hours of work per quarter per unit of credit. Prerequisite: Consent of Instructor. Restriction: Criminal Justice majors & approval of Program Director.

UPPER DIVISION

CJUS 334 Ethics and the Administration of Criminal Justice (4): Identifies and explores ethical dilemmas within the criminal justice system. Topics include utilitarianism, ethical formalism, determining moral and ethical behavior, ethical theories and the concerns of administrative justice, management and leadership roles in the various fields of criminal justice, ethics and law enforcement, and other related criminal justice fields. Prerequisite: ENGL 113

CJUS 344 Corrections in America (4): An in-depth overview of the United States correctional system. Topics include the history, development and functions of jails, prisons, and community-based correctional programs, the processes and people that constitute the primary make up in the correctional system. Prerequisite: ENGL 113

CJUS 347 Criminology (4): An examination into classical and modern perspectives of criminology that include the definition of criminology; biological, sociological, and psychological theories of criminal behavior; and theories of crime pattern and causation of different types of crime, delinquency and recidivism. Prerequisite: ENGL 113

CJUS 354 Interpersonal Communication for Criminal Justice Professionals (4): This course develops effective oral and written skills pertinent to the criminal justice system, interview techniques and interrogation techniques. It also demonstrates how individuals can listen respectfully and reflectively, gather information in a non-judgmental manner and communicate in a manner that is effective and necessary in the criminal justice world. Prerequisite: ENGL 113

CJUS 374 Career Management in Criminal Justice (2): Provides an overview of career opportunities for students pursuing employment in the field of criminal justice. Students will develop professional writing skills needed for applications, cover letters, resumes and interview skills. Focuses on interview strategies, career planning, and exposure to the competitive hiring process for law enforcement including candidate background, written and psychological examinations, and oral interviews. Prerequisite: ENGL 113

CJUS 381 Research Methods and Statistics: Description and Correlation (4): Descriptive and correlational research methods and statistics in criminal justice, including questionnaire construction and administration, descriptive statistics, hypothesis testing applied to means and frequencies, correlation and regression. Effect size and power are introduced. Special emphasis writing reports using APA style. Concurrent registration in CJUS 381L is required. Prerequisite: MATH 155 and ENGL 113

CJUS 381L Research Methods and Statistics: Description and Correlation Laboratory (1): Descriptive and correlational criminal justice research techniques and statistical methods are explored through replicating and conducting studies, analyzing data, and presenting results. Practice in the use of computer software to analyze results from these studies. Concurrent registration in CJUS 381 required.

CJUS 382 Research Methods (4): Experimental research methods and inferential statistics in criminal justice, including multiple regression, mediation and moderation, causal relationship, reliability and validity, tests and ANOVA, and effect size. Special emphasis on conducting a literature search and theoretically justifying hypotheses, research ethics, editing and improving technical writing, and the visual and oral presentation of results. Prerequisite: CJUS 381 & 381L

CJUS 408 Public Policy in Criminal Justice (4): An overview of the relationship between criminal justice public policy and the criminal justice system examining how public policy stems from contemporary issues. Students will be able to analyze the use of public policy for social change. Prerequisite: ENGL 113

CJUS 409 Private Security: Administration, Management and Investigation (4): Introduction to the private security system. Topics include security management, corporate security, emergency planning, facility safety, asset/intellectual property rights security and loss prevention. Students will also examine the differences between private and public law enforcement agencies in tactics such as information gathering, investigations and arrest. Prerequisite: ENGL 113

CJUS 414 Juvenile Justice: Delinquency and the Administration of Justice (4): A study of the history and legal process of the juvenile justice system. This course examines the patterns and causes of juvenile delinquent behavior, juvenile law, juvenile gangs, and the processes and sentencing as well as understanding the uniqueness of the juvenile court system as compared to the criminal court system. Prerequisite: ENGL 113

CJUS 415 Cultural Diversity in the Criminal Justice System (4): A comprehensive discussion of issues related to race, ethnicity and law enforcement in the criminal justice system. Topics include: race, ethnicity, sexuality, gender, class, and the intersectionality of these structures in America. Prerequisite: ENGL 113
CJUS 416 Victimology (4): Focusing on a group that is less often considered in the field of criminal justice, this course examines various elements of victimology, including the effects of crime on the victim, the concept of victimization, and the relationship between the victim and the offender, the criminal justice system, and other social groups such as media, business, and social environments. Prerequisite: ENGL 113

CJUS 417 Domestic Violence (4): Examination of patterns and characteristics of offenders and victims of domestic violence, including its causes as well as its effect on the victim and the abuser. The course includes a review of different approaches law enforcement has taken to deal with domestic violence and victim's issues and the evaluation methods used for determining the effectiveness of victim assistance programs. Prerequisite: ENGL 113

CJUS 424 Probation, Parole and Community Corrections in America (4): A study of the nature of corrections and the corrections continuum with topics such as history of corrections, correctional ideologies, the court process to corrections, prisons and other correctional facilities, inmate control, alternatives to detention and current problems in the corrections system. Prerequisite: ENGL 113

CJUS 429 Criminal Investigations (4): Beginning with the history of criminal investigations, this course introduces students to current tools used by law enforcement in criminal investigations including interviewing witnesses, interrogating suspects, collecting and reviewing evidence and writing reports. Students will understand the importance of an effective investigation within the complexity that law enforcement faces in order to effect appropriate criminal convictions.

CJUS 437 Rules of Evidence (4): Overview of the federal rules of evidence and the United States courtroom procedure. Students will be able to explain the presentation of evidence by identifying and understanding the application of the federal rules of evidence. Topics include the types of evidence, relevance, authentication, best evidence rule, hearsay, impeachment, privilege communication, trial objections and more. Prerequisite: CJUS 231, 232 & ENGL 113

CJUS 444 White Collar Crime (4): An introduction into the study of white collar crimes. Topics include types of white collar crimes such as mail, Internet and wire fraud, money laundering, bribery, embezzlement, identity theft, computer crimes, corporate liability, insider trading, and insurance fraud. Restriction: Must have junior standing

CJUS 455 Special Topics in Criminal Justice: In-depth analysis of different topics in the field of criminal justice. See the class schedule each quarter for additional offerings. Prerequisite: ENGL 113

CJUS 465 CyberCrime (4): A relatively new field is the study of crimes involving the information technology infrastructure. CyberCrime includes, among other things, illegally accessing or interfering, misuse of devices, forgery, electronic fraud, hacking, copyright infringement and cyber-bullying. Prerequisite: ENGL 113

CJUS 466 Computer Forensics and Investigations: Hacking and Identity Theft (4): A study of investigative techniques utilized in the processing and understanding of digital evidence. Students taking this course will study basic computer theory, operating systems, digital information storage methods and how to execute the safe extraction of digital evidence. Also covered are legal issues on evidence, chain of custody and methods of seizing, examining and presenting evidence. Prerequisite: CJUS 437. Restriction: Must have junior standing

CJUS 467 Terrorism and Homeland Security (4): A comprehensive view of the history and current trends in foreign and domestic terrorism and current domestic issues facing the country today. Topics include: weapons of mass destruction (chemical, biological, and nuclear) as well as other terrorism activities and other issues that affect domestic security. Restriction: Must have junior standing

CJUS 485 Integrative Internship Program (4,4): Students that are eligible and approved for this program will be able to work in the field of criminal justice while concurrently enrolled as a student of the Criminal Justice major. Prerequisite: Approval of Program Director. Restriction: Must have junior standing

CJUS 495 Undergraduate Research (1-4): Original investigation under the direction of a faculty member or an approved off-campus research supervisor. May be repeated for additional credit and may extend through a second or third quarter. Approximately 40 clock hours of work per quarter per unit of credit. Prerequisite: consent of instructor & a minimum GPA of 3.0. Restriction: Criminal Justice majors & approval of Program Director

CJUS 499 Directed Study (1-4): Limited to Criminal Justice majors who wish to pursue independent investigations in criminal justice under the direction of a program faculty member. Approximately 40 hours of work per quarter per unit of credit. Requires approval of Program Director. Prerequisite: Consent of instructor & approval of Program Director

UNST 404CJ Senior Seminar: Religious, Moral, & Social Aspects of Criminal Justice (4): Capstone course integrates the baccalaureate experience into a coherent whole. Students explore significant criminal justice issues, bringing their experience and knowledge to bear on the interaction of their values and skills within the major. In this integrative experience, students take the senior comprehensive exam. Restriction: Only for Criminal Justice majors with senior standing
Program in English

Department Faculty

Mary E. Wilson, Chair
Associate Professor of Communication (1994)
PhD University of Southern California 2001
Organizational communication, mass communication

Melissa Brotton
Director of College Writing
Assistant Professor of English (2007)
PhD University of North Dakota, Grand Forks 2004
18th & 19th century British literature, Elizabeth Barrett Browning, Milton

Carl Christman
Assistant Professor of Communication (2011)
MA California State University, Fullerton 2005
Speech, video, rhetorical criticism

Sari Fordham
Assistant Professor of English (2007)
MFA University of Minnesota 2007
Creative writing, non-fiction, humor

Lora Geriguis
Director of Graduate Studies
Associate Professor of English (2007)
PhD University of California, Riverside 1997
17th & 18th century British literature, colonialism, post-coloniality, literary criticism

Winona R. Howe
Professor of English (1991)
PhD University of California, Riverside 1991
Romantic and Victorian literature, children’s and young adult literature

Christine Law
Assistant Professor of Communication (2006)
PhD University of California, Santa Barbara 2010
Interpersonal communication, persuasion, news writing

Marilynn Loveless
Associate Professor of English (2007)
PhD Griffith University 2004
Drama, Shakespeare, screenwriting, media production

Sam McBride
Director of Pre-Foundational English
Professor of English (2007)
PhD University of California, Riverside 1997
Twentieth century literature and fine arts, literary criticism, the inklings

Collaborating Faculty

Robert P. Dunn
Emeritus Professor of English (1968)
PhD University of Wisconsin 1970
RelM School of Theology at Claremont 1977
English renaissance, religion and literature

Elissa Kido
Professor of English (2001)
EdD Boston University 1980
Composition and Rhetoric

Nanci Geriguis-Mina
Instructor in Journalism (1996)
MA La Sierra University 1989
Public relations, news and featured writing

Degrees Offered

- Bachelor of Arts degree in English, with a required emphasis in one of the following areas: literature or writing
- Minors in English & Drama

English Graduate Program

The department’s graduate program leading to a Master of Arts degree in English is described in the Graduate Bulletin.

Preparation for teaching

Students interested in learning more about the preparation involved for teaching at the elementary and secondary levels, should refer to the Department of Curriculum and Instruction section in this bulletin.

The Mission of the English and Communication Department

The faculty of the Department of English and Communication recognize that communication, on both the personal and societal levels, is the foundation of human interaction. Our mission is to understand ourselves and our world more fully by returning again and again to those linguistic forms which
have continually shaped and reshaped us, which define and limit us and then wonderfully set us free—recast in new forms. We take language seriously as a tool of self- and social-understanding, as a means of entry into the life and responsibilities of the adult, the church member, and the citizen, and as a means to professional advancement, yet not so seriously as to overlook the important roles language plays in recreation and entertainment. Finally, the department emphasizes the importance of a liberal arts education with a firmly grounded knowledge of the communication process to prepare students for graduate education and for success in a wide variety of occupations.

Objectives

The department has three objectives: a) to enhance the creative and critical competency of all students across multiple modes of communication; b) to provide courses that assist students in understanding the complexity of their world by exploring literature and mass media as avenues to truth, social commentary, service, and self-understanding; c) to offer a well-balanced program that examines social and personal responsibilities within literary, theoretical, and cultural frameworks.

English Learning Outcomes

The English and Communication Department has six core learning outcomes for all majors. Students graduating should be able to:

1. Read and listen perceptively, analytically, and empathically.
2. Write (create content) effectively for a variety of styles and genres.
3. Design and deliver effective presentations.
4. Analyze and critically evaluate texts.
5. Demonstrate knowledge of basic rhetorical and critical perspectives from classical traditions through contemporary innovations.
6. Retrieve, evaluate, and employ information.

Directed Study Policy

General provisions: Directed study is strongly discouraged on the undergraduate level. Exceptions will be made only for unusual cases (i.e., transfer students needing requirements, or department majors having taken all required courses) and will be considered, provided that the directed study does not duplicate earlier coursework. Students may not take a directed study of a course that is currently being offered. Only English majors may take ENGL 299 and 499.

Approval Procedure: Complete a Directed/Independent Study Request Form, available at the Office of the Registrar. Submit the form first to the course instructor and then to the advisor, who will in turn present it to the department faculty.

The form must be accompanied by a proposal explaining the need for directed study and outlining an intended study plan. Deadline for submitting the request is before the end of the 10th week of the preceding quarter.

English as a Second Language Program

An ESL program is available for non-native speakers of English. This program is described under the English Language & American Culture section in this bulletin.

Internships

Internships in journalism, public relations, radio, television, film, and advertising are available to qualified English and Communication majors. All internships must be approved by the internship director and will be graded on a satisfactory/unsatisfactory basis.

Senior Exit Interview

Immediately prior to graduating, all seniors will be interviewed by the department chair. The results of the interview will be used by the department to assess its own effectiveness.

Senior Portfolio

Students completing a major in English and/or Communication will prepare a portfolio of work that represents their La Sierra journey. As part of their portfolio, they will analyze their work in an academic paper, paying particular attention to the department's learning objectives. Specific requirements of the portfolio will be detailed in UNST 404F. Students will give a presentation based on their portfolios to a committee of faculty members. The faculty will evaluate the portfolio as an assessment of student's achievements. The portfolios will also be used by the department to assess its own effectiveness.

MAJORS

Bachelor of Arts

ENGLISH

Core Curriculum: (34 units) Required for all English majors, for both literature and writing emphases

Required:

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<tr>
<th>Choice of 8 units from:</th>
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<tr>
<td>ENGL 210 Survey of British Literature I: to 1600</td>
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<tr>
<td>ENGL 211 Survey of British Literature II: 1600-1800</td>
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<tr>
<td>ENGL 212 Survey of British Literature III: 1800-1890</td>
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<tr>
<td>ENGL 213 Survey of British Literature IV: 1890 - present</td>
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<tr>
<td>ENGL 224 Survey of American Literature I: to 1860</td>
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</tbody>
</table>
Program in English

ENGL 225 Survey of American Literature II: 1860-present
ENGL 246 Literary Forms and Ideas

Choice of 8 units from:
ENGL 414 World Literature
ENGL 425 Major American Authors or Movements
ENGL 446 Major British Authors or Movements
ENGL 487A Classical Rhetoric and Criticism
ENGL 487B Contemporary Literary Criticism

Choice of 8 units from:
ENGL 205 Introduction to Creative Writing
ENGL 238 Introduction to Writing for the Print Media
ENGL 304 Advanced Expository Writing
ENGL 338 Advanced Writing for the Print Media
ENGL 339 Writing for the Digital Media
ENGL 405A Short Story
ENGL 405B Poetry
ENGL 405C Playwriting
ENGL 405D Screenwriting
ENGL 405E Humor Writing
ENGL 405F The Long Project
ENGL 405G Memoir
ENGL 406 Writing for Publication

Choice of 4 units from:
ENGL 457 Chaucer
ENGL 458 Shakespeare
ENGL 459 Milton

Choice of 4 units from:
ENGL 482 Advanced Grammar and Style
ENGL 484 Language and Linguistics

Choice of 2 units from:
ENGL 285 English Colloquium
ENGL 485 English Colloquium

*See course descriptions for ENGL 285 & 485 for more information.

Required Cognates:

- Modern foreign language through level 201

The student chooses one of the following areas of emphasis:

**Literature:**
Required: 58 units total (28 units upper division) in English, as follows:

- Core Curriculum
- Remaining units to be selected in consultation with advisor

**Writing:**
Required: 58 units total (28 units upper division) in English, as follows:

- Core Curriculum
- The courses listed below
- Remaining units to be selected in consultation with advisor

Choose 16 units (not taken in core curriculum) from:
ENGL 205 Introduction to Creative Writing
ENGL 238 Introduction to Writing for the Print Media
ENGL 304 Advanced Expository Writing
ENGL 338 Advanced Writing for the Print Media
ENGL 339 Writing for the Digital Media
ENGL 405A Short Story
ENGL 405B Poetry
ENGL 405C Playwriting
ENGL 405D Screenwriting
ENGL 405E Humor Writing
ENGL 405F The Long Project
ENGL 405G Memoir
ENGL 406 Writing for Publication
ENGL 407 Writing for Children

**MINORS**

**ENGLISH**

Required: 32 units at or above the 200 level (16 units upper division) chosen in consultation with advisor
DRAMA

Required: 32 units (16 units upper division)

17 units as follows:

- DRAM 246E  Introduction to Acting
- DRAM 297A  Performance (2 units)
- DRAM 297B  Technical Production (2 units)
- DRAM 297F  Play Reading (1 unit)
- DRAM 491  Directing
- DRAM 496  History and Theory of Drama

15 units of electives to be chosen from the following:

- ARTS 115  Design Principles
- ARTS 194  Photoshop and Illustrator Image Creation
- ARTS 334D  Workshop in Painting: Mixed Media (2-4 units)
- ARTS 394D  Final Cut Pro Video
- COMM 264O  Oral Interpretation
- DRAM 297A  Performance (1-2 units)
- DRAM 297B  Technical Production (1-2 units)
- DRAM 297C  Technical Design (1-2 units)
- DRAM 297D  PR & Publications (1-2 units)
- DRAM 297E  Directing (1-2 units)
- DRAM 490  Advanced Acting
- DRAM 493  Production Design
- DRAM 497A  Advanced Performance (1-2 units)
- DRAM 497B  Advanced Technical Production (1-2 units)
- DRAM 497C  Advanced Technical Design (1-2 units)
- DRAM 497D  Advanced PR & Production (1-2 units)
- DRAM 497E  Advanced Directing (1-2 units)
- DRAM 497F  Advanced Play Reading (1-2 units)
- DRAM 498  Drama Workshop
- ENGL 246E  Introduction to Acting
- ENGL 405C  Playwriting
- ENGL 405D  Screenwriting
- ENGL 414B  Classical Literature: Greek Drama
- ENGL 446H  20th Century: British Drama
- ENGL 446P  19th Century: British Drama
- ENGL 446P  Major British Authors or Movements
- ENGL 446R  Restoration 18th Century British Comedy
- ENGL 458  Shakespeare
- MUET 101  Fundamentals of Audio and Music Technology
- MUED 294  Vocal Methods and Techniques
- EXSC 107  Water Aerobics (0.5 units)
- EXSC 183  Aerobic Rhythms I (0.5 units)

COURSES

A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.

Pre-foundational English

Pre-foundational English courses do not apply toward a university degree. They are offered for entering students with low scores on the English reading and writing placement tests and are designed to enable students to meet La Sierra University-level expectations in reading and writing. Students with SAT Critical Reading scores between 340 and 470 (ACT 2 to 21) will be placed in ENGL 005A. Students with SAT scores of 470 or higher (ACT 22 or higher) will be placed into ENGL 111. Students who wish to challenge their Pre-Foundational English placement may take the AccuPlacer test administered by the Learning Support and Testing Center, prior to the beginning of their first quarter. At the end of every quarter, the Department offers a Writing Placement test to pre-foundational English students who have earned a C or higher in their coursework that quarter. The score on this test determines which course (either ENGL 005A, ENGL 005B, or ENGL 111) students may register for in the following quarter.

Students may need to spend more than one quarter strengthening English skills. Students must remain enrolled in basic English coursework until they are eligible to enter ENGL 111. (See “Pre-foundational” section under Academic policies for further information.)

ENGL 001 Reading Improvement (4): This course enables students to read material from a variety of university disciplines with an emphasis on active reading, critical thinking, and using tools that connect reading and writing. Students expand their vocabulary, increase comprehension, and develop study skills.

ENGL 005A Introduction to Composition I (4): Intensive practice in writing simple expository and argumentative texts with particular emphasis on applying writing strategies. Students learn to compose university-level essays in content, form, style, and syntax.

ENGL 005B Introduction to Composition II (4): Intensive practice in writing advanced expository and argumentative texts, with particular attention to sentence-level writing issues that adversely affect students’ writing.
College Writing

These courses do not apply toward a major or minor in English and must be taken in sequence unless the student has transferred from another college and is required to take only a portion of the sequence to satisfy the College Writing requirement.

Students of ENGL 111, 112, 113 are subject to the two-day rule, which states that if a student does not show up for the first two days of class without having contacted the teacher of that class (not the program director) at least 2 days prior to the first day of class, the student’s place will not be held and his or her name will be dropped from the roster so that other students on the waiting list can get into the class.

LOWER DIVISION

ENGL 111 College Writing (3): This course develops critical thinking, reading, and writing essential for college-level papers. Students work on individual writing processes for both expressive and descriptive writing, focusing on organization, logical flow, diction, sentence structure, and standard grammar and usage. Students must earn a C or better to move to ENGL 112. Prerequisite: Satisfactory performance on a placement test or SAT Critical Reading score of 470 or higher

ENGL 112 College Writing (3): This course focuses on academic discourse (explanation, argumentation, persuasion, and incorporation of credible sources) and features of effective writing, including organization, development, use of evidence, logical flow, diction, sentence structure, and standard grammar and usage. Students must earn a C or better to move to ENGL 113. Prerequisite: ENGL 111

ENGL 113 College Writing (3): This course emphasizes the development and use of research skills (in addition to critical thinking, reading, and writing) essential for creating college-level research papers. The course emphasizes writing argumentative, critical, documented, research-based papers using either APA or MLA style. Prerequisite: ENGL 112

ENGL 124 Freshman Seminar in Writing (4): Gives the well-prepared student an opportunity to read and evaluate more challenging material and write more sophisticated papers than is characteristic of those written for the College Writing sequence. Students performing at a grade level of B or better will not be required to take additional College Writing classes. Students receiving B- or lower must take ENGL 112 and 113. ENGL 124 may not be repeated. Does not apply toward a major or minor in English. Prerequisites: Satisfactory performance on a placement test & consent of the instructor

Drama

LOWER DIVISION

DRAM 246E Introduction to Acting (4): A survey of the craft, philosophy, and theory of acting involving close analysis, evaluation, and discussion of a written text in preparation for formal presentations and guided feedback on peer presentations. Through written assignments and a journal, students will respond to both written and performed texts which focus on exploring issues of diversity including race, ethnicity, gender, social class, and religion. Cross-listed as COMM 246E and ENGL 246E.

DRAM 297 Drama Production: Preparation and formal performance of a dramatic production through the English and Communication Department. Students may receive credit for a variety of tasks, including acting, lighting, staging, etc. All sections are cross-listed as COMM 297 & as ENGL 297. See below for specific topics.

DRAM 297A Performance (1-2): Students must successfully audition for a specific role in a production prior to being admitted to this class which involves a public performance at the conclusion of the quarter. Students will learn to pare down extraneous actions and movement to get to the simple, technical base of character, plot, and relationship. Maximum of 4 units can count toward the minor. Restriction: Students must audition to enter this class

DRAM 297B Technical Production (1-2): Students gain a basic overview of the technical production of a play as they assist with the design and/or construction of a technical aspect of a production in one or more of the following areas: stage/house management, set construction, lighting, sound, costume, or makeup production. Maximum of 4 units can count toward the minor.

DRAM 297C Technical Design (1-2): Students work closely with both the director and technical director on a production, in creating the design for a production-specific aspect of the show or on one or more of the following areas: stage/house management, set construction, lighting, sound, costume, or makeup production. Prerequisite: ENGL 115 or permission of the instructor

DRAM 297D PR & Publications (1-2): Students work closely with the director(s) on the development of a basic marketing and public relations strategy for a production as they assist in the preparation of a portfolio that will include the following: poster design, printing, and distribution points; ticket design, printing, and sales; playbill design, writing, editing, and printing; creation of a press kit with press releases and rehearsal photos and distribution. Prerequisite: ARTS 194
DRAM 297E Directing (1-2): Students work closely with an ensemble of actors and technical crew in a collaborative environment to create a live show or film for public performance.

DRAM 297F Play Reading (1-2): Students gain both a theoretical framework for directing a play, along with practical experience as they learn about various theories of play direction. Students also read a wide selection of one-act plays, in preparation to direct for the Festival of One-Acts or the Festival of New Works.

UPPER DIVISION

DRAM 490 Advanced Acting (4): Fundamental acting preparation, including performance exercises, breathing and diction techniques, text interpretation, and scene rehearsal. Cross-listed as ENGL 490. Prerequisites: DRAM 246E & 2 units of DRAM 297A or 497A

DRAM 491 Directing (4): Study of production process, script interpretation, and interaction with designers and actors, leading to the presentation of selected scenes. Cross-listed as ENGL 491. Prerequisites: DRAM 246E, DRAM 297F & 4 units at the 200-level in English & ENGL 113 or ENGL 124 or permission of instructor

DRAM 493 Production Design (4): A practical introduction to the stagecraft of lighting, costume, set design. Cross-listed as ENGL 493. Prerequisites: 2 units of DRAM 297B or 497B

DRAM 496 History and Theory of Drama (4): The course provides an introduction to the history and development of theater. Students will gain exposure to various cultures in social, historical, and geographical context through study of the world of artistic and literary expression as it is revealed through the art of theater. Emphasis is placed on the student exploring the various ways changes in technology and a changing worldview affect the theater of a given period and reflect the behavior and responsibilities of individuals and societies. The course is designed to enable the student to develop their understanding of theatrical history and form through lectures, play script readings, and attending theatrical performances. Students will conduct a major individual research project that requires the formulating, organizing, and communicating the original ideas and information in a paper and formal presentation. Students will also collaborate on short projects, presenting the results of their reflection, analysis, and critical thinking in oral presentations. Cross-listed as ENGL 496. Prerequisites: 4 units at the 200-level in English & ENGL 113 or ENGL 124 or permission of instructor

DRAM 497 Drama Production: Preparation and formal performance of a dramatic production through the English and Communication Department. Students may receive credit for a variety of tasks, including acting, lighting, staging, etc. All sections cross-listed as COMM 497 & as ENGL 497. See below for specific topics. Restriction for all sections: Only for students with junior or senior standing

DRAM 497A Advanced Performance (1-2): Students must successfully audition for a specific role in a production prior to being admitted to this class which involves the analysis and rehearsal of a complex or leading role that requires the student to critically read and analyze a substantial text in preparation for performance. Prerequisite: DRAM 297A or permission of the instructor. Restriction: Students must audition to enter this class

DRAM 497B Advanced Technical Production (1-2): Students work closely with both the director and technical director on a production, in creating the design for a production-specific aspect of the show or on one or more of the following areas: stage/house management, set construction, lighting, sound, costume, or makeup production. Prerequisite: DRAM 297B or permission of the instructor

DRAM 497C Advanced Technical Design (1-2): Students work closely with both the director and technical director to refine the skills learned in 297C, in creating the design for a production-specific aspect of a show or on one or more of the following areas: stage/house management, set construction, lighting, sound, costume, or makeup production. Prerequisites: ARTS 115 & DRAM 297C or permission of the instructor

DRAM 497D Advanced PR & Publications (1-2): Students work closely with the director(s) on the development of a basic marketing and public relations strategy based on research conducted for a production which also involves overseeing the preparation of a portfolio that will include the following: poster design, printing, and distribution points; ticket design, printing, and sales; playbill design, writing, editing, and printing; creation of a press kit with press releases and rehearsal photos and distribution information. Prerequisites: ARTS 194 or 194B & DRAM 297D or permission of the instructor

DRAM 497E Advanced Directing (1-2): Students work closely with an ensemble of actors and technical crew in a collaborative environment to create a live show or film for public performance, refining skills learned in 297E. Prerequisites: DRAM 491 & 297E or permission of the instructor
DRAM 497F Advanced Play Reading (1-2): Students study the theory and practice of play direction, designed to familiarize the student with the skills necessary to lead a cast and technical crew. Includes the study of elements such as play selection and analysis; collaboration with the cast, designers, stage managers, and dramaturge; casting and rehearsal technique and management; and aesthetic, ethical, and economic concerns. Students also read a wide selection of one-act plays in preparation to direct for the Festival of One-Acts or the Festival of Original Works. Prerequisite: DRAM 297F or permission of the instructor

DRAM 498 Drama Workshop (4): Classroom rehearsal and staging of selected scenes and one-act plays. Cross-listed as ENGL 498. Prerequisites: DRAM 246E & 2 units of DRAM 297A or DRAM 297B

Literature, Writing & Drama

LOWER DIVISION

ENGL 150 Experience Literature (4): This course functions as an introduction to the genres of poetry, fiction, and drama, focusing on literature as a way of defining and exploring human experience, and introducing students to basic literary concepts such as plot structure, point of view, voice, characterization, imagery, major verse forms, tragedy, etc. Students will gain experience in reading, analyzing, and writing about literature. The course may be taught thematically. This course is designed for non-majors and does not apply toward the requirements for a major in English. Prerequisite: Placement into ENGL 111

ENGL 205 Introduction to Creative Writing (4): Introduction to Creative Writing is an introduction to writing poetry, fiction, and literary nonfiction. Students will explore the craft of creative writing, learning traditional literary techniques and experimenting with new forms and styles. They will exercise their critical thinking skills and develop the ability to read as writers. They will be asked to write and revise regularly and will complete a portfolio in each genre. Prerequisite: Placement into ENGL 111

ENGL 210 Survey of British Literature I: To 1600 (4): An introduction to the reading and analysis of major literary genres, authors, and works, focusing on British literature from the Middle Ages through the Elizabethan era. Prerequisite: ENGL 113 or ENGL 124

ENGL 211 Survey of British Literature II: 1600-1800 (4): An introduction to the reading and analysis of the major literary genres, authors, and works, focusing on British literature from the Metaphysical Poets through the Neoclassical period. Prerequisite: ENGL 113 or ENGL 124

ENGL 212 Survey of British Literature III: 1800-1890 (4): An introduction to the reading and analysis of the major literary genres, authors and works, focusing on British literature in the Romantic and Victorian periods. Prerequisite: ENGL 113 or ENGL 124

ENGL 213 Survey of British Literature IV: 1890-Present (4): An introduction to the reading and analysis of the major literary genres, authors, and works, focusing on British and post-colonial literature of the late Victorian period to the present. Prerequisite: ENGL 113 or ENGL 124

ENGL 224 Survey of American Literature I: To 1860 (4): An introduction to the reading and analysis of the major literary genres, authors, and works, focusing on American literature from the Colonial period to the Civil War. Prerequisite: ENGL 113 or ENGL 124

ENGL 225 Survey of American Literature II: 1860 to Present (4): An introduction to the reading and analysis of the major literary genres, authors, and works, focusing on American literature from the Civil War to the present. Prerequisite: ENGL 113 or ENGL 124

ENGL 238 Introduction to Writing for the Print Media (4): Introduction to basic skills of print news writing, gathering, interviewing, news judgment, and construction of print news stories. Social responsibility and ethical framework for journalists is emphasized. Ability to use word processing software required. Cross-listed as COMM 238. Prerequisite: ENGL 113 or ENGL 124

ENGL 246E Introduction to Acting (4): A survey of the craft, philosophy, and theory of acting involving close analysis, evaluation, and discussion of a written text in preparation for formal presentations and guided feedback on peer presentations. Through written assignments and a journal, students will respond to both written and performed texts which focus on exploring issues of diversity including race, ethnicity, gender, social class, and religion. Cross-listed as COMM 246 and DRAM 246E.

ENGL 285 English Colloquium (1): Lower division course required of all majors. Issues pertinent to the discipline. A student with three or more years of residence requires 1.0 unit of 285 and 1.0 unit of 485. Cross-listed as COMM 285. Prerequisite: ENGL 113 or ENGL 124
ENGL 297 Drama Production: Preparation and formal performance of a dramatic production through the English and Communication Department. Students may receive credit for a variety of tasks, including acting, lighting, staging, etc. All sections are cross-listed as COMM 297 & as DRAM 297. See below for specific topics. Course descriptions are listed under DRAMA.

ENGL 297A Performance (1-2)
ENGL 297B Technical Production (1-2)
ENGL 297C Technical Design (1-2)
ENGL 297D PR & Publications (1-2)
ENGL 297E Directing (1-2)
ENGL 297F Play Reading (1-2)

ENGL 299 Directed Study (1-4): Lower division independent study in consultation with an advisor. May be repeated for additional credit to a maximum of 4 units. See policy listed above. Prerequisite: Consent of the instructor and ENGL 113 or 124

UPPER DIVISION

Most upper division courses are offered alternate years. Please check schedule with advisor.

ENGL 304 Advanced Expository Writing (4): Advanced study of writing forms with particular emphasis on creative nonfiction and argument. An application of purpose, audience, rhetorical modes and devices enables students to develop voice and effective expression of ideas. Cross-listed as COMM 304. Prerequisites: 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 338 Advanced Writing for Print Media (4): Refines news writing skills acquired in COMM 238, extending to cross-media content, copy-editing and print production layout, headline and caption writing, the analyses of major 20th century journalists. Assignments in the shorter forms of general and specialized media feature stories including: the profile, the light feature, the news feature, and the in-depth story. Cross-listed as COMM 338. Offered alternate years. Prerequisite: ENGL 238

ENGL 339 Writing for the Digital Media (4): Application of the fundamental media writing skills acquired in ENGL 238 (and ENGL 338) to the special needs of digital media. Digital media differ from print media in three significant ways: the medium itself, the addition of audio and motion content, and the non-linear nature of many digital media products. Planning, writing and developing digital media products will be the focus. Also emphasizes basic technical skills for digital audio and video as well as web page creation. Basic computer skills required. Cross-listed as COMM 339. Offered alternate years. Prerequisite: ENGL 238

ENGL 364 Topics in English (4): Course designed for non-majors on various current topics in English. May be repeated with new content for additional credit. Typically taught as an evening class. Course does not apply toward requirements for a major or minor in English. Prerequisites: 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 405 Creative Writing: Advanced theoretical and practical application of writing techniques. Focus is provided in a genre. All sections are cross-listed as COMM 405.

ENGL 405A Short Story (4): Students will read short stories by masters of the craft, paying attention to the methods they use to shape their fiction. Students will apply these tools in their own work as they write, workshop, and revise. Prerequisite: ENGL 113 or ENGL 124, & ENGL 205

ENGL 405B Poetry (4): While investigating the methods of the great poets of the Romantic, Modern, and Contemporary eras, students will write their own original verse with an eye towards form, rhythm, and imagery. Prerequisite: ENGL 113 or ENGL 124, & ENGL 205

ENGL 405C Playwriting (4): Advanced theoretical and practical application of playwriting techniques. While consulting models from a variety of historical eras, writers will brainstorm, draft, and revise a full one-act play. Techniques of character invention, plot construction, and dialogue will be practiced in a workshop setting. Prerequisite: ENGL 113 or ENGL 124, & ENGL 205

ENGL 405D Screenwriting (4): Advanced theoretical and practical application of scriptwriting techniques. Film, television, and radio scripts are the focus of the course. Techniques of narrative and documentary storytelling will be emphasized equally with media and format standards. Students will complete a variety of scripts for different media and genres during the quarter. Prerequisite: ENGL 113 or ENGL 124, & ENGL 205

ENGL 405E Humor Writing (4): Students will read humor literature, paying attention to what makes the pieces funny. Students will apply these tools in their own work as they write, workshop, and revise. Prerequisite: ENGL 113 or ENGL 124, & ENGL 205

ENGL 405F The Long Project (4): Students will consider what it means to tell a story for the larger canvas—be it fiction or memoir. Students will read books in each, examining such craft issues as structure, point of view, plot, theme, and characterization. Students will write a book proposal and two sample chapters. Cross-listed as COMM 405F. Prerequisite: ENGL 113 or ENGL 124, & ENGL 205
ENGL 405G Memoir (4): Students will read memoirs by masters of the craft, paying attention to the tools they use to shape their narratives. Students will apply these tools in their own work as they write, workshop, and revise. **Prerequisite:** ENGL 113 or ENGL 124, & ENGL 205

ENGL 406 Writing for Publication (4): Students will analyze writing venues, writing guidelines, and published pieces. They will write, workshop, and revise. Cross-listed as COMM 406. **Prerequisites:** ENGL 113 or ENGL 124, & ENGL 205

ENGL 407 Writing for Children (4): Focuses on fundamental tools and techniques of writing for children and their practical application. Students will work on a number of projects as they develop their individual style and creativity through written assignments. Cross-listed as COMM 407. **Prerequisites:** 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 410 Literary Genres (4): Considers various genres of literature in English including poetry, the essay, drama, film, autobiography, the novel, short story, etc. May be repeated for new content. **Prerequisites:** 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 414 World Literature (4): Study of masterpieces of classical and/or world literature. May be repeated for new content. **Prerequisites:** 4 units at the 200-level in English & ENGL 113 or ENGL 124


ENGL 415A Classic Children's Literature (4): This course examines the genre of children's literature from the time that stories and books were written specifically for children through the first half of the 20th century. It will also focus on trends in children's literature during this time (particularly gender presentation), the role of traditional literature, and the relationship between literature for children and society. **Prerequisites:** 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 415B Modern Children's Literature, Post 1940 (4): This class is designed to introduce students to a wide range of literature written for children. Emphasis will be placed on reading and evaluating modern children's books (pre-school to reading level 5) through investigation of significant authors and works, diverse genres, problem areas, literary merit, etc. **Prerequisites:** 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 416 Young Adult Literature (4): An examination of young adult literature, focusing on genres, cultural diversity, literary elements, and problem areas. Required for State Teacher Credential, 7-9. **Prerequisites:** 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 425 Major American Authors or Movements (4): The course focuses on a major figure or group in American literature. May be repeated for new content. **Prerequisites:** 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 445 Biblical Literature (4): An introduction to the reading of the Bible from the standpoint of a literary critic, with an assessment of the importance of the influence of the Bible on Western literature. Required for Seventh-day Adventist Secondary Teacher Credential. **Prerequisites:** 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 446 Major British Authors or Movements (4): An examination of a major figure, group, movement, or period in British literature. May be repeated for new content. **Prerequisites:** 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 457 Chaucer (4): A study primarily of the “General Prologue” and selected stories in The Canterbury Tales. Not offered every year. **Prerequisites:** 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 458 Shakespeare (4): An introduction to the dramatist through representative comedies, tragedies and histories. **Prerequisites:** 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 459 Milton (4): An intensive study of Milton’s early poetry and drama, prose, and his three major epic works. Not offered every year. **Prerequisites:** 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 465 Topics in English (4): Seminars in various current topics in English. Specific topics listed in class schedule. May be repeated with new content for additional credit. **Prerequisites:** 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 466 Topics in Film (4): Seminars in various film topics. Specific topics listed in class schedule. May be repeated with new content for additional credit. Cross-listed as COMM 466. **Prerequisites:** 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 467 Topics in Drama (4): Seminars in various drama topics. Specific topics listed in class schedule. May be repeated with new content for additional credit. **Prerequisites:** 4 units at the 200-level in English & ENGL 113 or ENGL 124
ENGL 482 Advanced Grammar and Style (4): Study of traditional, structural, and transformational grammars with additional emphasis on standard American usage rules and stylistic features; taught especially for prospective teachers and writers. Offered alternate years. Prerequisites: 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 484 Language and Linguistics (4): Major descriptions of the origins, development, and grammar of modern English, with additional emphasis on phonology, morphology, syntax, semantics, and the acquisition of language. Offered alternate years. Prerequisites: 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 485 English Colloquium (1): Upper division course required of all majors. Issues pertinent to the discipline. A student with three or more years of residence requires 1.0 unit of 285 and 1.0 unit of 485. Cross-listed as COMM 485. Prerequisites: 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 487A Classical Rhetoric and Criticism (4): A consideration of the formative theories of persuasion and interpretation, dating from the Greek, Roman, and early Christian eras. Particular emphasis is given to the relevance of classical theory to contemporary rhetoric and literature. Offered alternate years. Cross-listed as COMM 487A and PHIL 487A. Prerequisites: 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 487B Contemporary Literary Criticism (4): An examination of modern and post-modern literary theory, including the schools of formalism, psychoanalysis, feminism, post-structuralism, and cultural criticism. Readings survey the writers, philosophers, and social commentators whose contributions shaped and continue to shape current methodologies of interpretation. Offered alternate years. Cross-listed as PHIL 487B. Prerequisites: 4 units at the 200-level in English & ENGL 113 or ENGL 124

ENGL 490 Advanced Acting (4): Fundamental acting preparation, including performance exercises, breathing and diction techniques, text interpretation, and scene rehearsal. Cross-listed as DRAM 490. Prerequisites: DRAM 246E & 2 units of DRAM 297A or DRAM 497A

ENGL 491 Directing (4): Study of production process, script interpretation, and interaction with designers and actors, leading to the presentation of selected scenes. Cross-listed as DRAM 491. Prerequisites: DRAM 246E, DRAM 297F & 4 units at the 200-level in English & ENGL 113 or ENGL 124 or permission of instructor

ENGL 493 Production Design (4): A practical introduction to the stagecraft of lighting, costume, set design. Cross-listed as DRAM 493. Prerequisites: 2 units of DRAM 297B or 497B

ENGL 494 Internship (2-4): On-the-job experience arranged and supervised for students. Graded on a Satisfactory/ Unsatisfactory basis. Maximum of 8 units. Prerequisites: 4 units at the 200-level in English & ENGL 113 or ENGL 124. Restriction: Only for students with junior or senior standing

ENGL 496 History and Theory of Drama (4): The course provides an introduction to the history and development of theater. Students will gain exposure to various cultures in social, historical, and geographical context through study of the world of artistic and literary expression as it is revealed through the art of theater. Emphasis is placed on the student exploring the various ways changes in technology and a changing worldview affect the theater of a given period and reflect the behavior and responsibilities of individuals and societies. Cross-listed as DRAM 496. Prerequisites: 4 units at the 200-level in English & ENGL 113 or ENGL 124 or permission of instructor

ENGL 497 Drama Production: Preparation and formal performance of a dramatic production through the English and Communication Department. Students may receive credit for a variety of tasks, including acting, lighting, staging, etc. All sections are cross-listed as COMM 497 & as DRAM 497. See below for specific topics. Course descriptions are listed under DRAMA. Restriction for all sections: Only for students with junior or senior standing

ENGL 497A Advanced Performance (1-2)  
ENGL 497B Advanced Technical Production (1-2)  
ENGL 497C Advanced Technical Design (1-2)  
ENGL 497D Advanced PR & Publications (1-2)  
ENGL 497E Advanced Directing (1-2)  
ENGL 497F Advanced Play Reading (1-2)

ENGL 498 Drama Workshop (4): Classroom rehearsal and staging of selected scenes and one-act plays. Cross-listed as DRAM 498. Prerequisites: DRAM 246E and 2 units of DRAM 297A or DRAM 297B

ENGL 499 Directed Study (1-4): Upper division independent study in consultation with an advisor. See policy above. Prerequisites: 4 units of 200-level English course & ENGL 113 or ENGL 124. Restriction: Only for students with junior or senior standing

UNST 404F Religious, Moral & Social Aspects of English (4): A review and critique of mimetic, theological, and communication theories in an attempt to understand how belief is created, expressed, and sustained. Does not apply to a major or minor. UNST 404E is for Communications majors only; UNST 404F is for English majors only. Restriction: Students must be seniors
Department Faculty

Robert K. Thomas, Chair
Associate Professor of Health & Exercise Science (2001)
EdD Boston University 2007
Exercise physiology, sociology of sport, research methods

William C. Andress
Associate Professor of Health and Exercise Science (2007)
DPH Loma Linda University 1988
Health science, laughter, biblical dimensions of health

Wayne E. Borin
Assistant Professor of Health and Exercise Science (2010)
EdD University of San Diego 2003
Corporate fitness, exercise prescription, behavior change

Laura J. Fenton
Associate Professor of Health and Exercise Science (2009)
MA Western Michigan University 1998
Pedagogy, sport science

Collaborating Faculty

Catherine Hendon
Assistant Professor of Health and Exercise Science (2006)
MS University of Oregon 1983
Physiology, assessment, lifetime fitness

Roger L. McFarland
Associate Professor of Health and Exercise Science (1979)
EdS La Sierra University 2005
Athletic injuries, outdoor pursuits, teacher education

Nelson E. Thomas
Professor of Exercise Science (2006)
PhD Florida State University 1973
Physical education pedagogy, lifetime fitness

Degrees Offered

Bachelor of Science degrees in:

- Exercise Science, with three concentrations:
  1. Physical education
  2. Scientific basis
  3. Wellness management
- Health Science, with four concentrations:
  1. Bio-health science
  2. Globalization and international health
  3. Health care management
  4. Health promotion and education
- Minors in Exercise Science & Health Science

Preparation for teaching

Students interested in learning more about the preparation involved for teaching at the elementary and secondary levels, should refer to the Department of Curriculum and Instruction section in this bulletin.

Objectives and Functions

The department of Health and Exercise Science seeks to advance the mission of the University through the following objectives and functions.

1. Promote the philosophy of life that emphasizes the health of the whole person in healthy communities.
2. Offer undergraduate degrees and certificate programs that prepare students for careers as physical educators, health educators, coaches, and managers of health facilities. These programs also prepare students for further study in graduate and professional schools.
3. Provide instruction and guidance in a variety of physical, recreational, and intramural activities.

Departmental Learning Outcomes

1. Demonstrate critical thinking skills in addressing discipline-based questions.
2. Demonstrate knowledge and skills of research principles and methodologies relevant to the discipline.
3. Be familiar with standards, ethics, and expectations of professional communities within our disciplines.

Exercise Science:

1. Examine and analyze physical activity and motor skill performance as they relate to the physiological, psychological, and social responses and adaptations to exercise.
2. Integrate learned competencies and skills as part of prescribed integrative learning activities and experiences throughout the curriculum.
3. Describe the reciprocal relationship between sport and the philosophical, historical, or sociological perspectives of society.
Health Science:

1. Recognize how the social, cultural, economic, political, and biological environments affect personal and community health.
2. Describe the US health profile, including key indicators, determinants, disparities, access to health services, and both historical and contemporary trends and implications.
3. Understand the role of research, evaluation, and the use of data in health promotion, disease prevention, and health services.

**MAJORS**

**Bachelor of Science**

**EXERCISE SCIENCE:**

The Exercise Science major provides students opportunities in two directions:

1. Further study in graduate and/or professional schools such as medicine, dentistry, physical therapy, and optometry; and
2. Entry-level positions in the fitness industry, education, coaching, aquatics, and parks and recreation.

Core Curriculum: (16 units) Required of all students majoring in Exercise Science

<table>
<thead>
<tr>
<th>Required</th>
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<tbody>
<tr>
<td>EXSC 215</td>
<td>Introduction to Athletic Training</td>
</tr>
<tr>
<td>EXSC 344</td>
<td>Special Education</td>
</tr>
<tr>
<td>EXSC 444</td>
<td>Physiological Assessment &amp; Exercise Prescription</td>
</tr>
<tr>
<td>HLSC 214</td>
<td>Dimensions of Health</td>
</tr>
<tr>
<td>EXSC 426</td>
<td>Exercise Physiology</td>
</tr>
</tbody>
</table>

The student chooses one of the following areas of concentration:

**PHYSICAL EDUCATION:**

Required: 69 units, as follows:

- Exercise Science Core Curriculum
- The following courses and cognates:

<table>
<thead>
<tr>
<th>Required</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>EXSC 108</td>
<td>Lifeguarding</td>
</tr>
<tr>
<td>EXSC 109</td>
<td>Water Safety</td>
</tr>
<tr>
<td>EXSC 290</td>
<td>Individual Activities I (3 units)</td>
</tr>
<tr>
<td>EXSC 291</td>
<td>Individual Activities II (3 units)</td>
</tr>
<tr>
<td>EXSC 301</td>
<td>Technique and Theory of Flagball</td>
</tr>
<tr>
<td>EXSC 302</td>
<td>Technique and Theory of Soccer</td>
</tr>
<tr>
<td>EXSC 303</td>
<td>Technique and Theory of Basketball</td>
</tr>
<tr>
<td>EXSC 304</td>
<td>Technique and Theory of Volleyball</td>
</tr>
<tr>
<td>EXSC 305</td>
<td>Technique and Theory of Baseball/Softball</td>
</tr>
<tr>
<td>EXSC 306</td>
<td>Technique and Theory of Track and Field</td>
</tr>
<tr>
<td>EXSC 384</td>
<td>Elementary School Physical Education</td>
</tr>
<tr>
<td>EXSC 408</td>
<td>Management of Physical Education and Sport</td>
</tr>
<tr>
<td>EXSC 414</td>
<td>Principles of Coaching</td>
</tr>
<tr>
<td>EXSC 427</td>
<td>Motor Learning</td>
</tr>
<tr>
<td>EXSC 485</td>
<td>Practicum in Coaching</td>
</tr>
<tr>
<td>HLSC 429</td>
<td>Measurement and Evaluation (4 units)</td>
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</tbody>
</table>

Required Cognates:

<table>
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<tr>
<th>Required</th>
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<tbody>
<tr>
<td>BIOL 131</td>
<td>Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>BIOL 132</td>
<td>Human Anatomy and Physiology II</td>
</tr>
</tbody>
</table>

**SCIENTIFIC BASIS:**

Required: 66 units, as follows:

- Exercise Science Core Curriculum
- The following courses:
- Remaining units selected in consultation with advisor

<table>
<thead>
<tr>
<th>Plus, choice of 3 courses to be selected from the following EXSC/HLSC courses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 408</td>
<td>Management of Physical Education and Sport</td>
</tr>
<tr>
<td>EXSC 418C</td>
<td>Movement in Cultural Perspective</td>
</tr>
<tr>
<td>EXSC 424</td>
<td>Biomechanics of Human Movement</td>
</tr>
<tr>
<td>EXSC 427</td>
<td>Motor Learning</td>
</tr>
<tr>
<td>HLSC 225</td>
<td>Nutrition Theory and Practice</td>
</tr>
<tr>
<td>HLSC 317</td>
<td>Health, Society, and the Consumer</td>
</tr>
<tr>
<td>HLSC 467</td>
<td>Principles of Epidemiology</td>
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</table>

<table>
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<tr>
<th>Plus, choice of</th>
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<tbody>
<tr>
<td>BIOL 111, 111L, 112, 112L, 113, 113L</td>
<td>General Biology I, II, &amp; III, with laboratories</td>
</tr>
<tr>
<td>CHEM 111, 111L, 112, 112L, 113, 113L</td>
<td>General Chemistry I, II, &amp; III, with laboratories</td>
</tr>
</tbody>
</table>
WELLNESS MANAGEMENT:
Required: 64 units, as follows:
- Exercise Science Core Curriculum
- The following courses
- Remaining units to be selected in consultation with advisor

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ACCT 211</td>
<td>Financial Accounting I</td>
</tr>
<tr>
<td>BIOL 131</td>
<td>Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>BIOL 132</td>
<td>Human Anatomy and Physiology II</td>
</tr>
<tr>
<td>EXSC 108</td>
<td>Lifeguarding</td>
</tr>
<tr>
<td>EXSC 109</td>
<td>Water Safety</td>
</tr>
<tr>
<td>EXSC 112</td>
<td>Weight Training</td>
</tr>
<tr>
<td>EXSC 183</td>
<td>Aerobic Rhythms</td>
</tr>
<tr>
<td>EXSC 408</td>
<td>Management of Physical Education and Sport</td>
</tr>
<tr>
<td>HLSC 225</td>
<td>Nutrition Theory and Practice</td>
</tr>
<tr>
<td>MGMT 304</td>
<td>Management and Organizational Behavior</td>
</tr>
<tr>
<td>MKTG 305</td>
<td>Marketing Principles</td>
</tr>
</tbody>
</table>

Health Science
The Health Science major provides the solid foundation required for admission into various graduate and professional programs of study such as dentistry, medicine, physician’s assistant, pharmacy, administration, social work, nutrition, and related public health fields. It also prepares students for entry-level careers in public health. Various field experiences further enrich the major.

Core Curriculum: (27 units) Required of all students majoring in Health Science
Required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td>HLSC 214</td>
<td>Dimensions of Health</td>
</tr>
<tr>
<td>HLSC 225</td>
<td>Nutrition Theory and Practice</td>
</tr>
<tr>
<td>HLSC 250</td>
<td>Health Science Colloquium I</td>
</tr>
<tr>
<td>HLSC 275</td>
<td>Critical Scholarship in Health Science</td>
</tr>
<tr>
<td>HLSC 317</td>
<td>Health, Society, and the Consumer</td>
</tr>
<tr>
<td>HLSC 350</td>
<td>Health Science Colloquium II</td>
</tr>
<tr>
<td>HLSC 429</td>
<td>Measurement and Evaluation</td>
</tr>
<tr>
<td>HLSC 467</td>
<td>Principles of Epidemiology</td>
</tr>
<tr>
<td>HLSC 476</td>
<td>Health and the Global Environment</td>
</tr>
</tbody>
</table>

The student chooses one of the following areas of concentration:

BIO-HEALTH SCIENCE:
Required: 73 units, as follows:
- Health Science Core Curriculum
- The following courses and cognates:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ACCT 211</td>
<td>Financial Accounting I</td>
</tr>
<tr>
<td>ACCT 212</td>
<td>Managerial Accounting</td>
</tr>
<tr>
<td>ECON 254</td>
<td>Principles of Macroeconomics</td>
</tr>
</tbody>
</table>

GLOBALIZATION AND INTERNATIONAL HEALTH:
Required: 70 units, as follows:
- Health Science Core Curriculum
- The following courses and cognates
- 8 units of electives, with a focus on one of the following: anthropology, the environment, or a health-related theme

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 215</td>
<td>Cultural Anthropology</td>
</tr>
<tr>
<td>BIOL 111, 111L, 112, 112L, 113, 113L</td>
<td>General Biology I, II, &amp; III, with laboratories</td>
</tr>
<tr>
<td>ECON 254</td>
<td>Principals of Macroeconomics</td>
</tr>
<tr>
<td>GEOG 276</td>
<td>Physical and Human Geography</td>
</tr>
<tr>
<td>HLSC 375</td>
<td>Junior Practicum (3 units)</td>
</tr>
<tr>
<td>HLSC 430</td>
<td>Applied Public Health Statistics</td>
</tr>
<tr>
<td>HLSC 490</td>
<td>International Health Experience</td>
</tr>
</tbody>
</table>

Required Cognates: 18 units, as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 111, 111L, 112, 112L</td>
<td>General Chemistry I &amp; II with laboratories</td>
</tr>
<tr>
<td>PHYS 117</td>
<td>Introduction to Physics</td>
</tr>
<tr>
<td>SOCI 374</td>
<td>Impacts of Globalization</td>
</tr>
</tbody>
</table>

HEALTH CARE MANAGEMENT:
Required: 73 units, as follows:
- Health Science Core Curriculum
- The following courses and cognates:
- 6-7 HLSC elective units selected in consultation with advisor

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 211</td>
<td>Financial Accounting I</td>
</tr>
<tr>
<td>ACCT 212</td>
<td>Managerial Accounting</td>
</tr>
<tr>
<td>ECON 254</td>
<td>Principles of Macroeconomics</td>
</tr>
</tbody>
</table>
EXSC 444  Physiological Assessment & Exercise Prescription
FNCE 354  Managerial Finance
HLSC 375  Junior Practicum
HLSC 475  Senior Practicum
MGMT 304  Management and Organizational Behavior
MGMT 344  Professional Practice Management
MKTG 305  Marketing Principles
EXSC ____ & ____ (2 activity courses)

Required Cognates: 16 units, as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 107</td>
<td>Human Biology</td>
</tr>
<tr>
<td>CPTG 104</td>
<td>Introduction to Information Systems</td>
</tr>
<tr>
<td>SOCI 307</td>
<td>Diversity in America</td>
</tr>
<tr>
<td>SOWK 214</td>
<td>Introduction to Social Work Practice</td>
</tr>
</tbody>
</table>

HEALTH PROMOTION & EDUCATION:

Required: 71 units, as follows:

- Health Science Core Curriculum
- The following courses and cognates:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 444</td>
<td>Physiological Assessment and Exercise Prescription</td>
</tr>
<tr>
<td>HLSC 314</td>
<td>Dynamics of Health Education</td>
</tr>
<tr>
<td>HLSC 375</td>
<td>Junior Practicum</td>
</tr>
<tr>
<td>HLSC 414</td>
<td>Mental Health and Substance Dependency</td>
</tr>
<tr>
<td>HLSC 475</td>
<td>Senior Practicum</td>
</tr>
<tr>
<td>SOWK 214</td>
<td>Introduction to Social Work Practice I</td>
</tr>
</tbody>
</table>

Choice of 1 of the following communication courses:

- COMM 206 Introduction to Media Technologies
- COMM 237 Principles of Advertising
- COMM 238 Introduction to Writing for the Print Media

Choice of 16 elective units selected from the following list:

- COMM 338 Advanced Writing for the Print Media
- COMM 339 Writing for the Digital Media
- EDCI 204 Teaching in the Multicultural Classroom
- EXSC ____ (up to two activity classes)
- HLSC 301 Public Health Seminar
- HLSC 330 Degenerative and Infectious Diseases
- HLSC 416 Sexuality and Family Health
- HLSC 417 Safety Education

MINORS

PHYSICAL EDUCATION:

Required: 30 units (15 upper division)

Recommended:

- EXSC 301 Technique and Theory of Flagball
- EXSC 302 Technique and Theory of Soccer
- EXSC 303 Technique and Theory of Basketball
- EXSC 304 Technique and Theory of Volleyball
- EXSC 305 Technique and Theory of Baseball/Softball
- EXSC 306 Technique and Theory of Track and Field

HEALTH SCIENCE:

Required: 30 units (15 upper division), as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLSC 214</td>
<td>Dimensions of Health</td>
</tr>
<tr>
<td>HLSC 275</td>
<td>Critical Scholarship in Health Science</td>
</tr>
<tr>
<td>HLSC 429</td>
<td>Measurement and Evaluation</td>
</tr>
<tr>
<td>HLSC 467</td>
<td>Principles of Epidemiology</td>
</tr>
</tbody>
</table>

Recommended:

- HLSC 414 Mental Health and Substance Dependency
- HLSC 416 Sexuality and Family Health
- HLSC 425 Topics in Health
- HLSC 430 Applied Public Health Statistics
- HLSC 476 Health and the Global Environment
COURSES

A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.

Exercise Science

LOWER DIVISION

EXSC 101-199 Physical Education Activity (0.5-2): Motor and cognitive skills and physiological development; adaptive programs as needed. Up to 12 courses applicable toward a baccalaureate degree.

- EXSC 101 Swimming I (non-swimmer) (0.5)
- EXSC 102 Swimming II (strokes) (0.5)
- EXSC 106 SCUBA Diving (1)
- EXSC 107 Water Aerobics (0.5)
- EXSC 108 Lifeguarding (1)
- EXSC 109 Water Safety (1)
- EXSC 110 Independent Activities (0.5)
- EXSC 112 Weight Training I (0.5)
- EXSC 113 Jogging (0.5)
- EXSC 114 Speed & Plyometrics (0.5)
- EXSC 115 Aerobic Swimming (0.5)
- EXSC 116 Gymnastics (0.5)
- EXSC 117 Yoga (0.5)
- EXSC 118 Circuit Training (0.5)
- EXSC 124 Pilates (0.5)
- EXSC 125 Canoeing and Kayaking (0.5)
- EXSC 129 Aerobic Games (0.5)
- EXSC 130 Skiing (0.5)
- EXSC 132 Snowboarding (0.5)
- EXSC 140 Volleyball I (0.5)
- EXSC 142 Volleyball II (Team) (0.5)
- EXSC 144 Baseball (0.5)
- EXSC 145 Basketball I (0.5)
- EXSC 146 Basketball II (Team) (0.5)
- EXSC 148 Flagball (0.5)
- EXSC 149 Track and Field (0.5)
- EXSC 150 Soccer I (0.5)
- EXSC 151 Soccer II (Team) (0.5)
- EXSC 154 Softball (0.5)
- EXSC 161 Badminton I (0.5)
- EXSC 164 Racquetball (0.5)
- EXSC 165 Tennis I (0.5)
- EXSC 167 Tennis II (Team) (0.5)
- EXSC 171 Golf I (0.5)
- EXSC 177 Backpacking (0.5)
- EXSC 179 Rock Climbing I (0.5)
- EXSC 180 Rock Climbing II (0.5)
- EXSC 183 Aerobic Rhythms I (0.5)
- EXSC 184 Aerobic Rhythms II (0.5)
- EXSC 197 Wilderness Survival (2)

EXSC 215 Introduction to Athletic Training (3): Theory and application for assessment, treatment, taping, and prevention of minor athletic injuries. Students must also complete certifications in American Red Cross First Aid and CPR prior to completion of this course. Offered winter quarters.

EXSC 216A CPR, Cardiopulmonary Resuscitation (1): Course follows the American Red Cross curriculum concerning CPR.

EXSC 216B First Aid (1): Course follows the American Red Cross curriculum concerning First Aid.

EXSC 290 Individual Activities I (3): Skill instruction, methods, and teaching progression of badminton, golf, and tennis. Three units are required for Physical Education majors. Each activity is for one unit.

EXSC 291 Individual Activities II (3): Skill instruction; methods and teaching progression of gymnastics (for 2 units), self-defense (for 0.5 units), and outdoor education (for 0.5 units). Three units are required for Physical Education majors.

EXSC 299 Directed Study (1-4): Lower division course, with an emphasis in study, completed in consultation with an advisor.

UPPER DIVISION

EXSC 301 Technique and Theory of Flagball (1-3): Students engage in skill instruction and analysis; learn officiating techniques; and discuss the materials, methods, and teaching progression of flagball. Offered odd fall quarters.

EXSC 302 Technique and Theory of Soccer (1-3): Students engage in skill instruction and analysis; learn officiating techniques; and discuss the materials, methods, and teaching progression of soccer. Offered odd winter quarters.
EXSC 303 Technique and Theory of Basketball (1-3): Students engage in skill instruction and analysis; learn officiating techniques; and discuss the materials, methods, and teaching progression of basketball. Offered even winter quarters.

EXSC 304 Technique and Theory of Volleyball (1-3): Students engage in skill instruction and analysis; learn officiating techniques; and discuss the materials, methods, and teaching progression of volleyball. Offered even fall quarters.

EXSC 305 Technique and Theory of Baseball/Softball (1-3): Students engage in skill instruction and analysis; learn officiating techniques; and discuss the materials, methods, and teaching progression of baseball and softball. Offered odd spring quarters.

EXSC 306 Technique and Theory of Track and Field (1-3): Students engage in skill instruction and analysis; learn officiating techniques; and discuss the materials, methods, and teaching progression of track and field events. Offered even spring quarters.

EXSC 344 Special Education (2): A study of the classifications of students with special needs and the adjustments to accommodate those children in the physical education setting. It includes the legal basis and processes for identification, placement, support, and programming strategies for infants to young adults as well as lifetime leisure opportunities. Offered fall quarters.

EXSC 384 Elementary School Physical Education (3): Methods and principles for teaching physical education to grade levels K-12, and the techniques for implementing classroom strategies. Emphasis is placed on teaching skills concerning basic movement, fundamental rhythmic activities, and sports. Offered spring quarters.

EXSC 408 Management of Physical Education and Sport (4): Principles and policies applied to programs, staff, facilities, and equipment. Includes health, recreation, intramurals, and sport. Offered even winter quarters.

EXSC 414 Principles of Coaching (2): The psychological, sociological, and philosophical perspectives of coaching a sports team. Offered even fall quarters.

EXSC 418 Topics in Exercise Science (1-4): Course content may vary from year to year and may be repeated for additional credit.

EXSC 418C Movement in Cultural Perspective (4): An examination of movement in our world culture. Historical and contemporary interpretations of the role of play, games, sport, dance, and recreation in human life. An upper division rhetoric intensive course. Offered winter quarters. Restriction: Limited to department majors

EXSC 418E Sport Psychology (4): An introduction to sport and exercise psychology as an academic discipline with a focus on using empirical evidence in an applied fashion. The ways in which psychological factors influence participation and performance in sport and exercise will be examined, as well as the effects of sport/exercise on the psychological well-being of an individual. Topics include goal-setting; team cohesion; psychological skills training; competition anxiety; self-confidence and motivation; coach-athlete communication, attention, concentration, and imagery; and burnout in athletes. Cross-listed with PSYC 488F.

EXSC 424 Biomechanics of Human Movement (4): The integration of both the qualitative and quantitative mechanical analysis of human movement in sport and exercise. Three class hours and one three-hour lab each week. Offered odd spring quarters. Prerequisite: Junior standing and BIOL 131, 132, and PHYS 117

EXSC 426 Exercise Physiology (4): Effects of movement upon the structure and function of body organs. Three class periods, one three-hour laboratory per week. Offered fall quarters. Prerequisites: BIOL 131 & 132

EXSC 427 Motor Learning (4): Psychological principles involved in learning physical skills. Three class periods, one three-hour laboratory per week. An upper division rhetoric intensive course. Offered even spring quarters. Prerequisite: ENGL 113 or 124; HLSC 429

EXSC 444 Physiological Assessment & Exercise Prescription (3): Field and laboratory appraisal of physical fitness; the design of exercise programs. Offered spring quarters. Prerequisites: BIOL 131, EXSC 426, MATH 121 & HLSC 120

EXSC 485 Practicum in Coaching (2): Directed experience in coaching a sports team. Prerequisite: EXSC 414

EXSC 494 Internship in Exercise Science (1-4): Internship is designed to help the student to put learned theory into practical settings in the workplace. There is an application process within the HES department prior to enrolling in the course. Prerequisite: Cumulative GPA >2.3; Major GPA >3.0; Senior status; EXSC 444; CPR and First Aid Certifications.

EXSC 495 Readings in Exercise Science (1-4): Designed for advanced exercise science majors, this course provides opportunity for in-depth reading and reporting in subject areas of special relevance and interest. Prerequisite: Consent of the department chair. Restriction: Limited to exercise science majors

EXSC 499 Directed Study (1-4): Upper division course, with an emphasis in study, completed in consultation with an advisor.
Health Science

LOWER DIVISION

HLSC 120 Lifetime Fitness (2 units): The components of, the necessity for, and the development of physical fitness/wellness. Includes concepts of cardiovascular endurance, strength, flexibility, weight control, nutrition, stress management, exercise cautions, and exercise prescription. Lecture, assessment, and exercise laboratory. Students must register for the class and the lab in the same quarter.

HLSC 214 Dimensions of Health (4): A survey of health principles applied to daily living taught from a Christian perspective. Topics include mental, consumer, and environmental health; drug-related problems; sex education; nutrition; disease; and safety education. This course meets the California state requirement in health education for teaching credentials. Prerequisite: ENGL 111, Recommended HLSC 120

HLSC 225 Nutrition Theory and Practice (4): The course presents nutrition as both science and art, covering its fundamental concepts and their application throughout the life cycle. It includes a study of all nutrients and their food sources, digestion and metabolism, recommended dietary allowances, consequences of excesses or deficiencies, nutritional assessment, and the influence of culture on dietary attitudes and habits. The focus of the course is on the central role of nutrition in health maintenance. Offered winter quarters. Prerequisite: Recommended HLSC 120 or 214.

Restriction: At least sophomore standing

HLSC 250 Health Science Colloquium I (1): Lower division course in which guest professionals, who are authorities in their fields, make presentations on selected topics of public health interest and provide opportunity for students to interact with them. Guided by a faculty member, students are required to review, analyze, and critique each of these presentations. Offered spring quarters.

HLSC 275 Critical Scholarship in Health Science (4): An introduction to the basic skills of critical analysis, including how to search and locate information (including electronic databases), read and analyze primary and secondary sources, evaluate Internet resources, and write scholarly arguments related to the field. Offered fall quarters. Prerequisite: ENGL 113 or 124

UPPER DIVISION

HLSC 301 Public Health Seminar (2): This seminar provides a context within which various topics in public health can be integrated. It allows for the exploration of various aspects of the history and philosophy of health and for the analysis and evaluation of topics that are significant and relevant to the discipline. It brings into the classroom challenging and provocative public health issues being currently debated in the public arena.
HLSC 314A, HLSC 314B Dynamics of Health Education (2,2): A comprehensive study of the theory and practice of health education, the course introduces students to the seven areas of professional competency exhibited by entry level health educators. The course is designed to be taken in consecutive quarters (winter and spring) with HLSC 314A focusing on community assessment and planning of health education programs, while HLSC 314B implements and evaluates those programs. Mastery of the dynamics of health education is necessary in order to sit for the Certified Health Education Specialist (CHES) exam and receive national certification.

HLSC 317 Health, Society, and the Consumer (4): The course surveys the historical evolution of health care in America, touching on the impact of health reform and other social, political, and religious movements from the nineteenth to the twenty-first century. It addresses the scientific method as the driving force in facilitating continuous advances, as well as discusses the roles of medical technology, managed care, and health insurance in influencing both the quality and the cost of health care. Aspects of health care in the United States are critically analyzed for their strengths and weaknesses through comparisons of other systems. Educating students to become informed consumers and producers in the health care marketplace is a crucial aspect of the course. Offered winter quarters. Prerequisite: HLSC 214, ENGL 113 or 124

HLSC 330 Degenerative and Infectious Diseases (3): Introduced with a survey of the general concept of disease and the principles of diagnosis, the course carefully examines the pathogenesis, symptomatology, and natural history of major degenerative diseases which afflict Americans (such as muscular dystrophy, multiple sclerosis, arteriosclerosis), as well as the major infectious diseases. Emphasis is placed on causes and prevention, including the role of the immune system and the lifestyle.

HLSC 350 Health Science Colloquium II (1): Upper division course in which guest professionals who are authorities in their fields make presentations on selected topics of public health interest and provide opportunity for students to interact with them. Guided by a faculty member, students are required to review, analyze, and critique each of these presentations. Offered spring quarters. Prerequisite: HLSC 250

HLSC 375 Junior Practicum (2-3): An orientation to field experience in public health, this course provides opportunities for students to begin developing professional competence in health promotion. Guided by an instructor, students select and actively participate in various kinds of applied or field activities, including international health outreach, community development, health educational material development, and involvement with established health services programs in the United States. Students are to maintain a journal of their experience for submission along with a culminating report. A minimum of 25 hours of experience is required for each unit of credit. Prerequisite: Minimum of 40 units applicable to any Health Science major. Restrictions: Arrangements for this class are to be completed during the sophomore year and a plan must be approved no later than mid-quarter prior to registering for the course.

HLSC 414 Mental Health and Substance Dependency (4): Basic principles by which sound mental and emotional health is acquired and maintained throughout one's life are studied within the context of whole person wellness. Common forms of psychological disorders, including mood disorders, general anxiety disorders, and critical incident stress disorders, are studied, with an emphasis in prevention and remediation. A major component of the course is the study of substance dependency and addiction in the United States. The nature of addiction, vignettes of the history of drug trade, and the chemical composition and effects of the most abused drugs are studied. Methods of intervention are explored including education in the home and in the school. Prerequisite: HLSC 214

HLSC 416 Sexuality and Family Health (3): A study of sexuality as an essential feature of being a human, the course presents and examines major sexuality topics and themes in the context of the integrity of the family. Major components include sexual anatomy and physiology, the nature of human love and sexual arousal, conception and contraception, social values and gender ethics, and an analysis of the Christian viewpoint on contemporary sexual and family life issues. An expected outcome is that students will have formed more mature judgment and sexual attitudes, come to value behaviors which reduce the risk of disease, and make lifestyle decisions that foster healthy sexual and family relationships at every stage in life. Prerequisite: HLSC 214

HLSC 417 Safety Education (2): A personal focus on safety as it affects people in society. Includes areas of home, school, work, transportation, and recreation safety.

HLSC 425 Topics in Health (1-4): Course content may vary from year to year. Content areas may include topics of nutrition, legal issues, health policy, globalization, environment, etc. May be repeated for additional credit.
HLSC 425A Applied Community Nutrition (3): The course is an application of the principles of sound nutrition to selected groups in community settings. Guided by an instructor, small groups of students collaborate in preparing, presenting, implementing, and evaluating a nutrition intervention program to a designated target population. When students are not directly engaged, they are to observe and evaluate other groups as they implement their programs. Examples of appropriate activities are conducting cooking schools, nutrition education for pregnant mothers, low budget nutrition for the homeless or indigent, weight management programs, and nutrition for the elderly. **Prerequisite:** HLSC 225

HLSC 425B Humor Therapy in the Promotion of Wellness (4): An exploration of the health benefits of “therapeutic laughter,” including its mediatory effects on the immune system functioning, pain reduction, and its utility in stress management. Students will investigate extant research relating to humor as a healing modality while having opportunities to develop their own coping skills through a laboratory component. **Prerequisites:** ENGL 113 or 124, and either HLSC 214 or PSYC 104

HLSC 425C Multicultural Issues in Health (4): An exploration of the health issues and problems that confront minority populations in the United States. In particular historical, demographic, ecological, behavioral and religious aspects of select ethnic groups will be investigated from the perspective of their impact on overall morbidity and mortality outcomes. **Prerequisites:** ENGL 113 or 124

HLSC 425D Influential Factors Contributing to Behavior Change (4): This course examines significant and influential causes of success and failure many experience when trying to develop or maintain a healthy lifestyle. These behaviors will be examined and evaluated from a general population perspective-- which also emphasize the impact that poor health issues have on society. Students will have the opportunity to apply various theoretical models to personal strategies of health-related habits. **Prerequisites:** ENGL 113 or 124

HLSC 429 Measurement and Evaluation (2-4): Research design covering descriptive and inferential statistics in the Health Sciences for 2 units. Physical Education Teacher Preparation students take the course for 4 units; the additional 2 units cover issues related to test development, administration, and analysis in physical education. Offered winter quarters. **Prerequisites:** MATH 121 & a statistics course

HLSC 430 Applied Public Health Statistics (3): Statistical theory is applied in collecting, analyzing, and presenting data as a basis for identifying needs, planning programs, and writing proposals. Focusing on community health issues, students study survey methods, acquire experience in designing or modifying basic survey instruments, and engage in the actual field collection and statistical treatment of data. **Prerequisite:** HLSC 429

HLSC 467 Principles of Epidemiology (3): The study of disease occurrence in human populations. Offered fall quarters. **Prerequisites:** HLSC 214, 429 & MATH 121

HLSC 475 Senior Practicum (3-4): Focuses on the application and further development of relevant health promotion knowledge and skills in one or more areas through internships or clerkships within established community programs. A minimum of 25 hours of supervised field experience is required for each unit of credit. **Prerequisites:** HLSC 375 & a minimum of 40 units applicable to any Health Science major. **Restrictions:** Arrangements for this class are to be completed no later than the junior year and a written plan must be approved no later than mid-quarter prior to registering for the course

HLSC 476 Health and the Global Environment (4): A study of relationships between the health of human populations and the environments they help to create. A major focus is on examining contemporary environmental issues, their health impact worldwide, and how the global and local communities are addressing them. Offered most spring quarters. **Prerequisite:** HLSC 214

HLSC 490 International Health Experience (2): An applied international experience partnering with a health-care provider or a visiting team; or may include a health-related experience in the US that simulates conditions found in developing countries. **Prerequisite:** HLSC 375

HLSC 495 Readings in Health Science (1-4): Designed for advanced health science majors, this course provides opportunity for in-depth reading and reporting in subject areas of special relevance and interest. **Prerequisite:** Consent of the department chair

HLSC 499 Directed Study (1-4): Upper division course, with an emphasis in study, completed in consultation with an advisor.
Department of History, Politics, & Society

Department Faculty

Andrew C. Howe, Chair
Associate Professor of History (2005)
PhD University of California, Riverside 2005
American history and civilization, culture studies & film studies

Ken Crane
Associate Professor of Sociology and Anthropology (2008)
PhD Michigan State University 2000
MPA Monterey Institute of International Studies 1986
Transnationalism, international migration, family and ethnic socialization

Jeffrey N. Dupée
Professor of History (1991)
PhD Claremont Graduate University 2001
JD Peninsula University 1988
European history, British colonialism, modern china, legal studies

Lisa Kohlmeier
Assistant Professor of History (2005)
PhD Claremont Graduate University 2009
American history, women’s intellectual & cultural history, gender studies

Katherine Parsons
Assistant Professor of History (2010)
MA Cambridge University
PhD Candidate, University of California, Riverside
Early modern Europe, history of religion, global history

Won K. Yoon
Professor of Sociology (1976)
PhD Louisiana State University 1976
Social theory, research methods, ethnic diversity, Asian studies

Collaborating Faculty

Anees A. Haddad
Professor of Sociology and Family Studies (1969)
PhD University of Southern California 1971
Family & gender studies, social psychology, middle east studies

Frederick G. Hoyt
Emeritus Professor of History and Political Science (1951)
PhD Claremont Graduate University 1963
Asian & American history, history of Seventh-day Adventist Church

Lawrence T. Geraty
Professor of Archaeology & Ancient Near East (1993)
PhD Harvard University 1972
Archaeological studies & history of the near east

Delmer G. Ross
Professor of History and Political Science (1976)
PhD University of California, Santa Barbara 1970
Latin American & transportation history, American & comparative government

Degrees Offered

Bachelor of Arts degrees in:
- History
- Sociology
- Global Studies

Minors in:
- Gender Studies
- Film Studies
- Global Studies
- Legal Studies
- History
- Latin American Studies
- Politics & Sociology

Preparation for teaching

Students interested in learning more about the preparation involved for teaching at the elementary and secondary levels, should refer to the Department of Curriculum and Instruction section in this bulletin.

Objective

The Department of History, Politics, and Society is La Sierra University’s center for teaching and scholarship that brings together students and faculty with broad interests in understanding social, political, and cultural experience across all times and regions. Historical and social analysis are the department’s foundation, but its areas of disciplinary coverage include anthropology, archeology, sociology, political science, ethnic studies, and gender studies. It is the University’s locus
for area and diversity studies.

The department provides an academic home for collegians interested in understanding global peoples and institutions, for students wanting to integrate social and political commitments into their education, for students seeking interdisciplinary degrees in the humanities and social sciences, for students who want to prepare for graduate studies in any one of a variety of social sciences or humanities, and for students planning for careers in law, government, business, museum or library science, or international affairs. The department is dedicated to educating graduates who will possess the understanding, values, and relationships necessary to serve humanity in all its diversity.

**Departmental Learning Outcomes**

*Note: Each discipline, history, sociology, and global studies, has more specific and detailed expressions concerning how these common objectives will be introduced, developed, and mastered. These are available upon request from the Department.*

1. Critical Reading: students will develop the ability to read perceptively – to be able to identify and analyze various human perspectives, patterns, and arguments.
2. Critical Thinking: students will develop the ability to conceptualize information, draw inferences, synthesize positions, and generate tenable arguments.
3. Critical Writing: students will cultivate the ability to write persuasive and well-crafted analyses and arguments in disciplinary-based assignments and projects.
4. Oral Presentation Skills: students will be able to verbally transmit topical themes and their own critical work with clarity, accuracy, and conviction.
5. Engagement with Diversity: students will become familiar with and sensitive to issues of diversity by engaging issues of race, ethnicity, class, and gender.
6. Disciplinary Proficiency: students will develop disciplinary proficiency through required departmental academic assignments and projects.
7. Research Methodology: students will demonstrate a grasp of disciplinary-based research methodologies – both quantitative and qualitative.
8. Religious/Moral/Ethical Values: students will develop an awareness of and engagement with the important religious, moral, and ethical issues of the past and present.
9. Extra-Curricular Civic Breadth: students will be encouraged to participate in extracurricular service and internship experiences.
10. External Academic Enrichment: students will be encouraged to participate in extra-academic activities such as attending or participating in discipline-related conferences and events.

**MAJORS**

**Bachelor of Arts**

All History and Sociology majors complete a core of courses (24 units) designed to provide the basic skills of historical, social, and critical analysis; an understanding of the scaffolding of world and American civilizations; and an understanding of geographic, social, ethnic, and gender diversities.

Students do not take traditional United States history and world civilization surveys, general sociology, or general anthropology, which would largely parallel the University's General Education curriculum. Instead, they take a set of broad thematic courses that provide a basic background in the major themes and issues of historical, social, and cultural study as seen against a broad range of geographical settings.

Core Curriculum: (24 units) Required for all History and Sociology majors

**HISTORY:**

Required: 56 units (24 units upper division), including:
- Core Curriculum (History & Sociology)
- The following courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 105</td>
<td>The Western Intellectual Movement</td>
</tr>
<tr>
<td>HIST 273</td>
<td>Gender, Family, and Society</td>
</tr>
</tbody>
</table>

24 elective units (may be selected from a general or specific area of emphasis with advisor's consultation)

Recommended: Courses in modern and computer languages, economics
SOCIOMETRY
Required: 56 units (24 upper division), including:
• Core Curriculum (History & Sociology)
• The following courses
  SOCI 104  General Sociology
  SOCI 374  Impacts of Globalization
  SOCI 404  Foundations of Social Thought
  SOCI 495  Field Placement
16 elective units (may be selected from a general or specific area of emphasis with advisor’s consultation)
Recommended: courses in economics, psychology

GLOBAL STUDIES
The Global Studies major seeks to instill in students a solid knowledge of particular cultures, while also providing training in the analysis of global connections—a way of preparing them to tackle the world of the 21st century. Global Studies majors are encouraged to become both global thinkers and global participants. They learn how to relate their knowledge of a particular part of the world to the larger trends and issues that affect all peoples: the interconnections of the human and nonhuman environments; the transnational interactions of cultures, economies, and politics; the globalizing processes of communication, technological, and science; the search for world peace, prosperity, and justice; and the sometimes violent political, ethnic, and religious reactions to what is often perceived as global hegemony by dominant cultures and economies.

Required: (64 units total, 32 units upper division), including:
• The following courses
  ANTH 215  Cultural Anthropology
  ECON 255  Principles of Microeconomics
  GEOG 276  Physical and Human Geography
  HIST/SOCI 273  Gender, Family, and Society
  HPSC 104  Global Interactions Since the Age of Columbus
  HPSC 275  Critical Analysis
  HPSC 375  Research Methods
  HPSC 497  Senior Colloquium
  HPSC 498  Senior Thesis
  PLSC 420  International Organizations
  SOCI 374  Impacts of Globalization
  Plus, 8 units from Government and Political Science:
  HIST 440  Topics in International Relations
  HIST/PLSC 440F  War Crimes and International Policy
  PLSC 316  Comparative Government
  PLSC 432S  Law and Society
  PLSC 474  Political Philosophy
  SOCI 306  Pressing Issues in Society
  Plus, 8 units from Area & Regional Studies:
  ANTH 325A  Peoples of Latin America
  ANTH 325C  Peoples of the Middle East
  ANTH 325D  Peoples of Asia
  ANTH 325F  Australia and the Pacific Rim
  HIST 270A  History of World Cinema: Asia
  HIST 270B  History of World Cinema: Europe
  HIST 323  Modern Europe (Since 1914)
  HIST 354  Colonial Latin America
  HIST 355  Modern Latin America
  HIST 380  Modern China
  HIST 390  Modern India
  HIST 430L  Topics in American History: Mexico
  HIST 432F  Topics in World Civilization: The British Imperial Experience in Africa and Asia
  HPSC 106  Race, Ethnicity, and Class in American History
  Plus, 8 units from extra departmental offerings or courses approved by the HPS chair:
  COMM 202  Communication in Society
  COMM 226  Mass Media in Society
  ECON 357  International Economics
  ECON 366  Economic Growth and Development
  HLSC 476  Health and the Global Environment
  MGMT 495J  Topics in Management
  MUHL 338  Music of Non-Western Cultures
  PSYC 315  Cross Cultural Psychology
  RELG 237  World Religions
  RLGN 304  Adventism in Global Perspective
  RLGN 305  The Experience of Religion in Three Cultures
  Recommended: Advanced second language proficiency Study and/or internship abroad (ANTH 495)
  • The required cognate: (4 units)
    WDLG 201 or demonstrated proficiency equivalent
# MINORS

## FILM STUDIES

Required: 28 units (12 upper division), including:

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ARTS 255</td>
<td>Photography</td>
</tr>
<tr>
<td>HIST 232</td>
<td>History and Aesthetics of Cinema</td>
</tr>
<tr>
<td>HIST 432R</td>
<td>Social and Critical Movements in Film</td>
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**Plus, 8 units from “Applied Skills”:**

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ARTS 117</td>
<td>Creative Visual Thinking</td>
</tr>
<tr>
<td>ARTS 224</td>
<td>Drawing</td>
</tr>
<tr>
<td>ARTS 355</td>
<td>Photography Workshop</td>
</tr>
<tr>
<td>ARTS 394D</td>
<td>Multimedia, 3D, and Video: Final Cut Pro Video</td>
</tr>
<tr>
<td>ENGL 405D</td>
<td>Creative Writing: Screenwriting</td>
</tr>
<tr>
<td>DRAM 246E</td>
<td>Introduction to Acting</td>
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**Plus, 8 units from “Cultural Analysis”:**

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<tbody>
<tr>
<td>ENGL 466</td>
<td>Topics in Film</td>
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<tr>
<td>HIST 270A</td>
<td>History of World Cinema: Asia</td>
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<tr>
<td>HIST 270B</td>
<td>History of World Cinema: Europe</td>
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<tr>
<td>HIST 430D</td>
<td>Gender and Film</td>
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<tr>
<td>HIST/SOCI 431A</td>
<td>Topics in American History: Border Conflicts in Popular Imagination</td>
</tr>
<tr>
<td>HIST 430Z</td>
<td>Topics in American History: Hollywood and American History</td>
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## GENDER STUDIES

Required: 24 units (20 upper division), including:

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>COMM 344</td>
<td>Gender and Communication</td>
</tr>
<tr>
<td>HIST 273</td>
<td>Gender, Family, and Society</td>
</tr>
<tr>
<td>HIST 366</td>
<td>Concepts in Gender Studies</td>
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<tr>
<td>PSYC 314</td>
<td>Psychology of Gender</td>
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<tr>
<td>RELE 457</td>
<td>Issues in Religious Ethics: Gender</td>
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<tr>
<td>SOCI 418</td>
<td>Sexual Behavior and Gender Roles</td>
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## GLOBAL STUDIES

Required: 28 units (12 upper division), including:

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ANTH 215</td>
<td>Cultural Anthropology</td>
</tr>
<tr>
<td>HPSC 104</td>
<td>Global Interactions since the Age of Columbus</td>
</tr>
<tr>
<td>PLSC 420</td>
<td>International Organizations</td>
</tr>
<tr>
<td>SOCI 374</td>
<td>Impacts of Globalization</td>
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</tbody>
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**Plus, 12 units from the following courses:**

**4 units from Government & Political Science:**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>HIST 440F</td>
<td>War Crimes and International Policy</td>
</tr>
<tr>
<td>PLSC 316</td>
<td>Comparative Government</td>
</tr>
<tr>
<td>PLSC 432S</td>
<td>Law and Society</td>
</tr>
<tr>
<td>PLSC 474</td>
<td>Political Philosophy</td>
</tr>
<tr>
<td>SOCI 306</td>
<td>Pressing Issues in Society</td>
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**4 units from Area & Regional Studies:**

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ANTH 325 series</td>
<td>Peoples of the World</td>
</tr>
<tr>
<td>ECON 255</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>ECON 357</td>
<td>International Economics</td>
</tr>
<tr>
<td>ECON 366</td>
<td>Economic Growth and Development</td>
</tr>
<tr>
<td>HIST 323</td>
<td>Modern Europe (since 1914)</td>
</tr>
<tr>
<td>HIST 354</td>
<td>Colonial Latin America</td>
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<tr>
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<td>Modern China</td>
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<tr>
<td>HIST 390</td>
<td>Modern India</td>
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<tr>
<td>HIST 430L</td>
<td>Topics in American History: Mexico</td>
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<tr>
<td>HIST 432F</td>
<td>Topics in World Civilization: The British Imperial Experience in Africa and Asia</td>
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</table>

**4 units from extra departmental offerings or courses approved by the Chair:**

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<tr>
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<tbody>
<tr>
<td>ECON 255</td>
<td>Principles of Microeconomics</td>
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<tr>
<td>ECON 357</td>
<td>International Economics</td>
</tr>
<tr>
<td>ECON 366</td>
<td>Economic Growth and Development</td>
</tr>
<tr>
<td>HLED 476</td>
<td>Health and the Global Environment</td>
</tr>
<tr>
<td>FNCE 487</td>
<td>International Finance</td>
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<tr>
<td>MGMT 424</td>
<td>Global Poverty</td>
</tr>
<tr>
<td>MGMT 486</td>
<td>International Environment and Management</td>
</tr>
<tr>
<td>MKTG 487</td>
<td>Topics in Human Resource Management</td>
</tr>
<tr>
<td>MUHL 338</td>
<td>Music of Non-Western Cultures</td>
</tr>
<tr>
<td>PSYC 315</td>
<td>Cross Cultural Psychology</td>
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<tr>
<td>RELG 237</td>
<td>World Religions</td>
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HISTORY

Required: 28 units (12 upper division), including:

- HPSC 275 Critical Analysis

**Plus, 12 units from the following courses:**
- HIST 105 The Western Intellectual Traditions
- HIST 273 Gender, Family, and Society
- HPSC 104 Global Interactions since the Age of Columbus
- HPSC 106 Race, Ethnicity, and Class in American History
- HPSC 274 The Construction of American Political Life

**Plus, 12 units chosen with department advisor**

LATIN AMERICAN STUDIES

Required: 28 units (16 upper division), including:

- HIST 354 Colonial Latin America
- HIST 355 Modern Latin America
- HPSC 275 Critical Analysis

**Plus, 16 units from the following courses:**
- ANTH 325A Peoples of Latin America
- HIST 430L Topics in American History: Mexico
- HIST 430M Topics in American History: Central America and the Caribbean
- HIST 440C Topics in International Relations: Inter-American Relations
- SPAN 348 Spanish American Literature
- SPAN 428 Spanish American Civilization

LEGAL STUDIES [Pre-Law Emphasis]

Required: 28 units (12 upper division), including:

- HPSC 274 The Construction of American Political Life
- PLSC 225 Introduction to Law
- PLSC 432 Law and Society

**Plus, 16 units from the following courses:**
- COMM 264F Speech and Debate: Monetary Rights
- COMM 264I Speech and Debate: International Human Rights
- COMM 264N Speech and Debate Team
- COMM 328 Persuasion and Rhetoric
- COMM 354 Advanced Public Speaking
- ECON 254 Principles of Macroeconomics
- ECON 392 Essentials of Game Theory
- ENGL 304 Advanced Expository Writing
- HIST 190 Historical Trials/Modern Applications
- HIST 430 Topics in American History

HIST 440F War Crimes and International Policy
MGMT 381 Business Law I
MGMT 382 Business Law II
PHIL 208 Logic: How to Think Accurately
PLSC 316 Comparative Government
PLSC 420 International Organizations
PLSC 474 Political Philosophy
PLSC 494 Public Affairs Internship
PSYC 482C Critical Thinking: Theory and Application
PSYC 482G Eyewitness Memory
PSYC 488B Psychology and Law
PSYC 488E Political Psychology
SSCI 107 Gender Law in Contemporary Society

POLITICS

Required: 28 units (12 upper division), including:

- HPSC 274 The Construction of American Political Life
- HPSC 275 Critical Analysis

**Plus, choice of:**
- PLSC 440 Topics in International Relations
  - OR -
- HIST 366 Concepts in Gender Studies

**Plus, choice of:**
- PLSC 316 Comparative Government
  - OR -
- PLSC 474 Political Philosophy

**Plus, 12 units chosen with department advisor**

SOCIOLOGY

Required: 28 units (16 upper division) including:

- HPSC 106 Race, Ethnicity, and Class in American History
- SOCI 104 General Sociology
- SOCI 404 Foundations of Social Thought
- SOCI 414 The Family

**Plus, 12 units from the following courses:**
- ANTH 325 Peoples of the World
- HIST 273 Gender, Family, and Society
- HPSC 275 Critical Analysis
- SOCI 314 Sociology of Love and Marriage
- SOCI 374 Impacts of Globalization


**COURSES**

A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.

**History, Politics & Society Core**

**LOWER DIVISION**

**HPSC 104 Global Interactions Since the Age of Columbus (4):** A historical and geographical survey of global interactions and human encounters from the era of Columbus to the present. The course examines the proliferation of European institutions, ideologies, technologies, and related cultural forms; how non-western cultures have appropriated and resisted those forms, imparted their own cultural influences on the West; and how those interactions have been expressed and experienced through the history of human migrations, cross-cultural encounters, and the rise of nationalism, and nation states.

**HPSC 106 Race, Ethnicity, and Class in American History (4):** An overview of social and economic history in the United States with special attention to the place of race, ethnicity, and social class in American life. Includes discussion of immigrations, multiculturalism, capitalism, and socialism.

**HPSC 274 The Construction of American Political Life (4):** A survey of the major political systems of world history with an emphasis on the historical and ideological backgrounds of the national government of the United States, including its organization and function. Fulfills the California teacher certification requirement.

**HPSC 275 Critical Analysis (4):** An introduction to the basic skills of critical analysis and historical research, including how to locate information, read and analyze primary and secondary sources, and write scholarly arguments, summaries, and bibliographical reviews.

**UPPER DIVISION**

**HPSC 375 Research Methods (4):** An introduction to the qualitative and quantitative research methods used in history and the social sciences and their application to selected problems. **Prerequisite: HPSC 275**

**HPSC 497 Senior Colloquium (1):** Introduction to the Senior Thesis; preparation of a proposal; assignment to a faculty mentor.

**HPSC 498 Senior Thesis (1-3):** An opportunity for majors to showcase their breadth of knowledge or research abilities, as well as to pursue an issue of their special interest in further detail. Required of all students majoring in the department.

Students have two seminar options:

1. The production of an article-length piece of original research;

2. An in-depth historiographical review of a major field of history. **Prerequisite: HPSC 497 (can be concurrently enrolled). Restriction: Students must register for this class no later than the autumn quarter of their senior year.**

**Anthropology**

**LOWER DIVISION**

**ANTH 215 Cultural Anthropology (4):** Cultural anthropology addresses the ways that people organize and experience their lives through language and practices. The discipline explores life's details in relation to political, economic, and historical forces, correlating micro- and macro-perspectives. Anthropologists have customarily identified and characterized these forces through a variety of topics: race, ethnicity, identity, economic systems, marriage and sexuality, gender, ideology, and globalization. These topics are the focus of this course's films, readings, and class discussions.

**ANTH 216 Archaeology (4):** Survey of research in the reconstruction of early culture sequences and the rise of ancient societies; field methods in archaeological research; cultural resource management.

**ANTH 275 Understanding Cultural Exchange (4):** Interdisciplinary approach to an understanding of the religious, social, and practical circumstances inherent to cultural exchange. Exploration of key issues, including culture, linguistics, health, and religion. Students will receive instruction in the application of principles essential to travel, study, service, and life abroad.

**ANTH 299 Directed Study (1-4):** Special study in fields developed in collaboration between instructor and student requiring a mixture of readings, research, and a writing project. May be repeated in different areas for additional credit to a maximum of 4 units. **Prerequisite: Consent of the department chair.**

**UPPER DIVISION**

**ANTH 325 Peoples of the World (4):** Interdisciplinary and comparative studies of major cultural groups of the world. Examines ancient and contemporary cultural patterns, problems of cultural exchange, and contemporary social movements. See the course schedule each quarter for possible listings.

**ANTH 495 Field Placement (1-4):** Field experience in an applied setting such as an internship. May be repeated for a maximum of 8 units.
ANTH 499 Directed Study (1-4): Advanced special study in fields developed in collaboration between instructor and student requiring a mixture of readings, research, and a writing project. May be repeated in different areas for additional credit to a maximum of 4 units. **Prerequisite: Consent of the department chair.** **Restriction: Limited to student with upper division standing.**

**Geography**

GEOG 276 Physical and Human Geography (4): An overview of the principles of physical and human geography for interdisciplinary application to the fields of history, economics, and the social sciences. Emphasis is directed toward developing the ability to analyze, interpret, compare and contrast, and synthesize information regarding the geographic character of the landscapes, societies, and ecosystems of the earth.

**History**

**LOWER DIVISION**

HIST 105 The Western Intellectual Traditions (4): An overview of Western worldviews, both popular and elite, from the ancient Greeks to the postmoderns. Includes a discussion of their social contexts and their interactions with the worldviews of other world civilizations. Cross-listed as PHIL 105.

HIST 190 Historical Trials/Modern Applications (4): A survey of some of the most celebrated legal cases in Western civilization. Students will encounter a range of historic trials ranging from the Trial of Socrates to the Scopes Trial of the early 20th century, judicial episodes that reveal much about societal efforts to control human behavior. Each historic trial will be cross-referenced with modern cases that engage the relationships between these issues and race, class, and sexuality.

HIST 232 History & Aesthetics of Cinema (4): An introduction to the aesthetics of film as a cultural artifact produced within specific social contexts. Includes discussions of narrative, genre, style, mise-en-scene, and ideology, as well as an exploration of the manner in which contested cultural issues are depicted. The following cinemas may be consulted: national (such as Hollywood, Bollywood, French, etc.) independent, alternative, and documentary.

HIST 240 The Mediterranean World of Antiquity (4): An examination of the birth and development of Egyptian, Greek, Roman, and other civilizations that formed around the Mediterranean basin during antiquity. Particular focus will be given to the region’s political, commercial, and cultural legacies to the West and how the Mediterranean served as a conduit for those activities and traditions.

HIST 270A History of World Cinema: Asia (4): An introduction to the national cinemas of the Pacific Rim and India. Cinemas surveyed include those of Japan, China, Hong Kong, India, and Australia. Students will engage in cultural, historical, and political analyses of these national cinemas.

HIST 270B History of World Cinema: Europe (4): This course provides an introduction to the national cinemas of Europe. Cinemas surveyed will include those of France, Italy, and Spain. After an orientation in cinematic vocabulary, students will engage in cultural, historical, political, and formal analyses of these national cinemas.

HIST 273 Gender, Family, and Society (4): This course is a historical survey of family life and the relations of gender from the eighteenth century to the present. Topics include the roles of men and women in society, family structures, and the relationships between these issues and race, class, and sexuality.

HIST 299 Directed Study (1-4): Special study in fields developed in collaboration between instructor and student requiring a mixture of readings, research, and a writing project. May be repeated in different areas for additional credit to a maximum of 4 units. **Prerequisite: Consent of the department chair.**

**UPPER DIVISION**

HIST 321 Modern Europe (1648-1815) (4): Europe from 1648 to 1815, with special attention given to the Age of Absolutism, the Enlightenment, English constitutionalism, the French Revolution, and social and cultural developments affecting all levels of European society.

HIST 322 Modern Europe (1815-1914) (4): Europe from 1815 to 1914, with special attention given to the Industrial Revolution, nationalism, ideological movements, imperialism, and social and cultural developments affecting all levels of European society.

HIST 323 Modern Europe (since 1914) (4): Europe from 1914 to present, with special attention given to World War I, communism, fascism, World War II, the European Economic Community, post-Cold War developments, and Europe’s changed status in a 20th-century world.

HIST 334 Colonial and Revolutionary America (4): This course examines the colonial period in American History through the American Revolution. It will focus on the conflict of the Native Americans with the Puritan colonists in the colonial period following their settlement in Plymouth in 1620, the Salem Witch Trials of 1692, the origins of the War for Independence, and the Revolutionary War itself, as well as the ideologies and political documents such as the Declaration of Independence and Constitution that emerged. We will consider the role of race, class, and gender throughout the course.
HIST 335 The Age of Jackson to the Great War (1816-1914) (4): Examines the development of the United States through an era of social and political tensions and reforms, Civil War, territorial expansion, and industrialization to reveal the sources of its international and domestic strengths and weaknesses on the eve of World War I.

HIST 336 Modern America (1914 to present) (4): Investigates the roots of the modern American temper, the nature of America's changing role in world affairs, and the evolution of a domestic social compromise.

HIST 340 Antebellum and Civil War America (4): This course focuses on early decades of the nineteenth century through the American Civil War. In it we will consider the anti-slavery and women's rights movements as well as other reform movements in Antebellum America. We will discuss the sectional and linguistic differences in pre-Civil War America and the broadly varied attempts to achieve national unity. We will also give attention to the events leading up to the Civil War, the Civil War itself, as well as briefly focusing on its aftermath and the Reconstruction Era. Men's and women's roles within reform movements as well as the experiences of Confederate women while their husbands were off at war will also be discussed. The course will reflect upon the specific trauma of the Civil War and its effects American Culture.

HIST 345 African American Experience: The 1930s-1960s (4): This course focuses on experiences of African Americans in the United States from the 1930s-1960s. We will consider these decades in a historical perspective through interdisciplinary primary and secondary sources including traditional historical accounts, oral history, literature, art, and music to better understand the individuals and the ideas that emerged during this crucial period. Specific topics include the Tuskegee Syphilis Experiment, the Great Depression, Jim Crow laws, lynching, the 1939 World's Fair, World War II, labor activism and unrest, Communism, musicians and music of this period, school desegregation, and the Civil Rights Movement. The categories of race, class, and gender will be central to our work in the course.

HIST 354 Colonial Latin America (4): Latin America from the arrival of Columbus through the independence movements of the early nineteenth century. History of the Spanish and Portuguese empires in America. Conquest and colonization, political organization, race and society, the church, the economy, the Enlightenment, and various independence movements. Offered alternate years.

HIST 355 Modern Latin America (4): Survey of Latin America from the 19th-century independence movements to the present, emphasizing events in the four principal nations of Latin America -- Mexico, Brazil, Argentina, and Chile. The course traces the traditional struggles of monarchists versus republicans, and conservatives versus liberals, as these struggles evolved into modern revolutionary reform movements. Roles played by the Church, the military, and other power groups also examined.

HIST 366 Concepts in Gender Studies (4): A survey of how major disciplines in the humanities and social sciences -- including anthropology, communication, history, literature, political science, psychology, and sociology -- have theorized gender.

HIST 380 Modern China (4): A study of modern Chinese history from the early 19th century to the present. The course will focus on a range of subjects, including the decline of the Qing Dynasty, European and Japanese imperialism in China, indigenous reform efforts, and China's political transformation from a Republic to state socialism, to post-Mao economic and cultural transformations.

HIST 390 Modern India (4): A study of modern Indian history from the end of the Mughal period to the rise of British imperial rule to Indian independence and statehood. Particular emphasis will be placed on indigenous assimilation of British socio-political customs and corresponding resistances to them through various Indian political and literary figures, India's unique cultural heritage and its increasing rise to prominence as a global, political, and economic power.

HIST 430 Topics in American History (4): Courses that bring an in-depth analysis to some topics of American history or explore American history from the perspective of a specific historical sub-discipline. See class schedule each quarter for possible offerings.

HIST 430A Disease in History (4): This course will study the impact of epidemic disease on history. It will focus on the ways in which medical authorities’ and scientists’ cultural ideas and prejudices about race, class, and gender have often translated into actual medical practice and policy. Throughout all the course readings we will consider how scientific understandings are not purely "objective" but are influenced by cultural factors and biases.
HIST 430B African American Experience: The Harlem Renaissance (4): This course will study the Harlem Renaissance and, more broadly, the Jazz Age, from a historical perspective through both primary and secondary sources, looking at the individuals and the ideas that emerged in the early twentieth century. In the course we will use traditional historical accounts, literature, oral history, as well as music and visual sources. We will consider the categories of race, class, and gender as we analyze the changes that occurred in Harlem during this period. We will also explore the significance and legacy of the intellectual and artistic production both for the early twentieth century, as a bridge to the Civil Rights Movement, and to America today.

HIST 430D Gender and Work (4): The aim of this course is to examine the central role work has played in the lives of both men and women in American history. In the course, we will give special attention to race and class while considering historically, from a wide range of perspectives, the ways work connects and sometimes divides both women and men. We will also consider from a historical perspective some of the attitudes toward different types of work. We will discuss the issues of race and gender in politics, the progress that has been made in these areas, some of the historical work which was done to give the vote to every American, and discuss some of the hurdles that remain to be overcome. By looking critically at primary source materials, autobiography, historical monographs, journalistic accounts, debates, and film, we will explore the importance of work in American Society, some of the spaces in which work occurs, and its legacy in American History.

HIST 430DD Gender and Film (4): The course will consider the category of gender and the way films can powerfully depict the unfolding of identities of the self and group through education, work, and creativity. All examples will keep at the center the role gender plays in this process of unfolding of voice and identity and ways of belonging to or being excluded from teh group, including through citizenship or functioning as an outsider in various contexts. Along with viewing films, both within and outside of class, students will read complimentary autobiographical works which also trace the complex process of the unfolding of the self in both American and global perspectives.

HIST 430H The United States Constitution (4): A study of the federal Constitution and pivotal Supreme Court cases that have defined its meaning and application to American society from the early nineteenth century to the present. Fulfills the California teacher certification requirement.

HIST 430J California History (4): The history of California as a Spanish, a Mexican, and an American possession, with emphasis on the impact the gold rush and subsequent immigration had on California's development.

HIST 430K Gender in the American West (4): This course explores the history, culture, and literary and artistic work of women in the American West, from the eighteenth century to the present. We will consider travel narratives, nature writing, as well as secondary historical accounts and theoretical essays that focus on immigration patterns, labor issues, and sexuality, as well as political experiences of women of various ethnic and class backgrounds.

HIST 430L Mexico (4): Mexico, from the Spanish conquest by Cortes and associates, through the 20th-century Revolution.

HIST 430M Central America and the Caribbean (4): Central America, Panama, and the Hispanic Caribbean from the arrival of Columbus to the present.

HIST 430N History of Seventh-day Adventism (3-4): A study of the origins, context, and development of Seventh-day Adventist doctrines and institutions from the 1840s to the 1960s. Includes emphasis on the role of Ellen G. White. Cross-listed as RELH 483.

HIST 430Q Asian American History (4): This course explores the experience of peoples of Asian descent in the United States Includes an analysis of immigration patterns, cultural relationships, and political and economic life.

HIST 430R Popular Culture in the United States (4): An examination of American popular culture in the 20th century, including the history and social dynamics of cinema, rock music, sports, and television. Emphasis will be given to understanding the several major schools of cultural theory and criticism commonly used to analyze and critique popular culture.

HIST 430V The Vietnam War and its Aftermath (4): An overview of the Viet Nam War, focusing on how and why the United States became involved, how it handled the engagement, and what the legacy has been for domestic and international affairs.

HIST 430Y Sports in American Culture (4): A historical analysis of the role of sport in American culture. Particular emphasis will be given to the manner in which sports have intersected with issues of race, gender, class, religion, and geography in American history.

HIST 430Z Hollywood and American History (4): An exploration of the political and cultural dimensions of the Hollywood institution from the late 19th century through the present day. Includes a focus on the technological and sociological forces that influenced and were influenced by the film industry.
HIST 431A Border Conflicts in Popular Imagination (4): Explores border conflicts in contemporary United States history, particularly the manner in which these conflicts are negotiated through popular forms of media. Conflicts and borders both literal and figurative will be entertained and critically analyzed through historical, political, economic, and sociological lenses. Issues examined may include the following: illegal immigration, "white flight", gentrification, free trade agreements, protectionism, and cultural drift.

HIST 432 Topics in World Civilization (4): Courses that bring an in-depth analysis to some topic of World Civilization. See class schedule each quarter for possible offerings.

HIST 432E The Mediterranean World of Antiquity (4): An examination of the birth and development of Egyptian, Greek, Roman, and other civilizations that formed around the Mediterranean basin during antiquity. Particular focus will be given to the region’s political, commercial, and cultural legacies to the West and how the Mediterranean served as a conduit for those activities and traditions.

HIST 432F The British Imperial Experience in Africa and Asia (4): An analysis of themes and processes in the British imperial experience in Africa and Asia from the 19th century to the present. Emphasis on colonial institutions and mentalities, indigenous resistance and collaboration, the influence of travel literature and colonial memoirs on the European imagination, and the impact of recent developments in post-colonial theory on the imperial legacy.

HIST 432G The Medieval Age (4): A study of the distinctive legacy of the Middle Ages in western Europe as expressed through the church, chivalry, feudalism, serfdom, towns, universities, and related features of Medieval life. Additional attention will be given to the unique impact that Medieval culture has had on the imagination and traditions of the West.

HIST 432Q History of the Avant-Garde (4): An overview of the 20th century avant-garde movement, including the political and aesthetic revolutions that radicalized various artistic forms. Particular emphasis will be given to the historical events that influenced this cultural shift and the major schools of cultural theory that govern its study.

HIST 432R Social and Critical Movements in Film (4): An exploration of the political and cultural landscapes of film criticism from the early formalists and realists through the diversity of voices present within contemporary society. Particular focus will be given to primary "schools" of criticism.

HIST 432W World War II (4): A study of the major developments of World War II; its global reach, military strategies, technological advancements, role in effecting major social and political changes during and after the war; and the emergent and shifting historiography that has risen from the conflict.

HIST 440 Topics in International Relations (4): Courses dealing with the relationships of nations. See the class schedule each quarter for possible offerings.

HIST 440C Inter-American Relations (4): Relations between the United States and the nations of Latin America and, secondarily, relations of Latin American nations among themselves.

HIST 440F War Crimes and International Policy (4): A study of war crimes committed since 1939 and the problem of developing and administering principles of law that can be enforced within the international community.

HIST 445 The Story of Christianity: Formation (4): The birth and development of Christianity from the apostolic age to the high middle ages, with emphasis on the formation of Christian beliefs and traditions. Cross-listed as RELH 445.

HIST 446 The Story of Christianity: Reformation (4): Christianity in the age of the Renaissance and Reformation, with emphasis on 16th-century movements and the emergence of Protestantism. Cross-listed as RELH 446.

HIST 447 The Story of Christianity: Transformation (4): Christianity in the Enlightenment and post-Enlightenment eras, with emphasis on the American religious scene, including the development of Seventh-day Adventism. Cross-listed as RELH 447.

HIST 495 Readings in History (1-4): A readings course focusing on selected authors and subjects in collaboration between instructor and student. May be repeated in different areas for additional credit to a maximum of 12 units. Prerequisites: Consent of the instructor & department chair. Restriction: Limited to department majors with a 3.00 minimum grade point average in the major.

HIST 499 Directed Study (1-4): Advanced special study in fields developed in collaboration between instructor and student requiring a mixture of readings, research, and a writing project. May be repeated in different areas for additional credit to a maximum of 4 units. Prerequisite: Consent of the department chair.

Political Science

LOWER DIVISION

PLSC 225 Introduction to Law (2-4): Orientation to the study and practice of law and the American legal system, intended for students interested in careers as attorneys, paralegal assistants, and legal secretaries. Topics include legal vocabulary and terminology, career specialization options, and a rudimentary survey of American jurisprudence.

PLSC 299 Directed Study (1-4): Special study in fields developed in collaboration between instructor and student requiring a mixture of readings, research, and a writing project.
May be repeated in different areas for additional credit to a maximum of 4 units. **Prerequisite: Consent of the department chair**

**UPPER DIVISION**

**PLSC 316 Comparative Government (4):** Background, constitutional organization, and activities of the governments of selected states as compared with those of the United States government.

**PLSC 420 International Organizations (4):** A study of international organizations such as the UN, WHO, ICC, NGOs, the World Bank, and related institutions and agencies that provide vision, services, and aid to the world community and/or monitor or regulate international concerns.

**PLSC 432S Law and Society (4):** This course will focus on a number of socio-legal issues such as women’s rights, the right to privacy, capital punishment, and religious liberty—addressing how such issues impact American politics and society today.

**PLSC 440 Topics in International Relations (4):** Topics dealing with the relationships of nations. See the class schedule each quarter for possible offerings.

**PLSC 474 Political Philosophy (4):** Main currents of political philosophy from Plato to the present. Cross-listed as PHIL 474.

**PLSC 485 American Political Thought (4):** American political ideas from the colonial period to the present. Cross-listed as PHIL 485.

**PLSC 488E Political Psychology (4):** Application of psychological theory and research methods to political science topics. Examination of the way that politics is influenced by characteristics of people (abilities, personalities, values, and attitudes), as well as the way that people are influenced by the political environment (institutions, information, and norms). Major theories and approaches in personality and social psychology are used to explore the topics of political leaders, political followers, public opinion, tolerance and intolerance, and international relations. Cross-listed as PSYC 488E.

**PLSC 494 Public Affairs Internship (1-12):** Supervised internship and study in political, governmental, or related organizations. **Prerequisite: Consent of the department chair**

**PLSC 495 Readings in Political Science (1-4):** Special study in fields specified by the instructor; regular weekly conferences. **Prerequisite: Consent of the department chair. Restriction: Limited to department majors with a 3.00 minimum grade point average in the major**

**PLSC 499 Directed Study (1-4):** Advanced special study in fields developed in collaboration between instructor and student requiring a mixture of readings, research, and a writing project. May be repeated in different areas for additional credit to a maximum of 4 units. **Prerequisite: Consent of the department chair**

### Sociology

**LOWER DIVISION**

**SOCI 104 General Sociology (4):** Sociology is the study of the relationship between our lives and the social world, such as community, culture, peers, family, economy, work, religion, and global system. Sociologists examine how human decisions are shaped in myriad ways as we interact with the social, political, and economic structures of our time. This prepares students to look at human action as a window on the wider world, using the “sociological imagination” to better understand events and trends.

**SOCI 251 Social Psychology (4):** Review of social psychological knowledge and understanding of individuals, groups, systems, and culture, including conformity, persuasion, social cognition, self-justification, aggression, prejudice, and interpersonal relationships. Cross-listed as PSYC 251.

**SOCI 299 Directed Study (1-4):** Special study in fields developed in collaboration between instructor and student requiring a mixture of readings, research, and a writing project. May be repeated in different areas for additional credit to a maximum of 4 units. **Prerequisite: Consent of the department chair**

**UPPER DIVISION**

**SOCI 306 Pressing Issues in Society (4):** Current issues agitating society and their underlying social factors, including, for example, poverty, class, care for the elderly and young, drug abuse, environment, discrimination, and healthcare.

**SOCI 307 Diversity in America (4):** The diversity of human groupings along the line of race, culture, gender, and social position. Both historical and theoretical explanations of prejudice and discrimination are presented. Major ethnic groups in America are reviewed.

**SOCI 314 Sociology of Love and Marriage (4):** Deals with education and preparation for marriage and such topics as love, courtship, premarital intimacy, emotional maturity, compatibility, couple communication, conflict resolution, religious and cultural variables, marital adjustment, divorce, death, trends in alternative life-styles, singleness, and domestic crises.

**SOCI 345 Social Organization (4):** Study of the structures and functions of various types of social organizations and bureaucracies; examination of leadership, organizational goal setting, communication, policy-making, and performance evaluation and assessment.
SOCI 374 Impacts of Globalization (4): An examination of the effects of globalization upon worldviews, value systems, international and interpersonal relations, and social institutions, especially politics, religion, and education. The underlying forces and counter forces of globalization and the varied human responses to its processes are explored.

SOCI 404 Foundations of Social Thought (4): Survey of social thoughts ranging from ancient world views to the modern social theories in anthropology and sociology. Cross-listed as PHIL 404.

SOCI 414 The Family (4): Structure and function of the family, changing family patterns, threats to the family from within and without, family adaptation to social change, trends into the 21st Century, the problem of broken families, and intergenerational relations. Cross-cultural perspective is an underlying dimension.

SOCI 418 Sexual Behavior and Gender Roles (4): The impact of rapid social change on the social-sexual roles of males and females. Three tracks are followed simultaneously: sex and gender, gender and communication, and social-psychological aspects of human sexual behavior.

SOCI 494 Methods of Research (4): Conceptual understanding and practical application of social research principles and their components. Prerequisite: MATH 155

SOCI 495 Field Placement (4): Field experience in an applied setting such as an internship. May be repeated for a maximum of 8 units. Prerequisite: Consent of the department chair

SOCI 499 Directed Study (1-4): Advanced special study in fields developed in collaboration between instructor and student requiring a mixture of readings, research, and a writing project. May be repeated in different areas for additional credit to a maximum of 4 units. Prerequisite: Consent of the department chair. Restriction: Limited to students who are departmental majors with upper division standing
Program in Individual Major

Program Faculty

Suzanne Mallery, Coordinator
Associate Professor of Psychology (2001)
PhD Fuller Theological Seminary 1998
Clinical psychology, pediatric psychology

Description

A student who has clearly defined objectives that lie outside an established academic department may design a proposal for a major in an individualized academic program, one that helps the student fulfill his or her objectives. This proposal will be designed with the aid of the Individual Majors Committee.

Information about proposal procedures and guidelines may be obtained from the dean's office in the College of Arts and Sciences. The design of the major is done by the student in conference with an advisory committee of three full-time faculty members, from at least two different departments of the college.

The proposal is approved by the Individual Majors Committee and by the dean of the College of Arts and Sciences. The proposal must be approved and filed with the Office of Admissions and Records no later than the beginning of the second quarter during the student's junior year. Any subsequent changes must be approved by the advisory committee and the chairperson of the Individual Majors Committee. The program must have a descriptive title that will appear on the diploma.

This program is open to students who are currently registered at La Sierra University, who are in good academic standing, and who still have five full quarters (80 units) to complete before graduation.

Guidelines for the individual major

1. The proposed major must constitute a coherent academic program. It must fulfill the student’s objectives and achieve a clear academic goal.
2. The proposed major must be comparable in quality and academic rigor to other major programs offered at La Sierra University and should be compatible with a liberal arts education. It must achieve both breadth and depth within the academic disciplines studied.
3. The proposed major is to make use of available university resources, courses currently offered, and faculty interests and capabilities.
4. Generally:
   A. The proposed major must require a minimum of 60 quarter units.
   B. No more than 12 of the 60 units are allowed to overlap with general education requirements.
   C. At least 30 quarter units of the proposed major must be in upper division courses.
   D. No more than 5 quarter units of directed study are to be allowed in the proposed major. A senior thesis may be part of the major requirement and is not included in the 5-unit directed study limit.
5. The student must have at least 80 quarter units still to complete before graduation at the time of approval of the proposal.
6. The chairman of the student’s advisory committee is the student’s academic advisor.
7. In approving an individual major, there is no implied guarantee by the University that the courses specified, or substitutions for those courses, will be available at the time specified in the proposal.
8. In fulfilling its function, the Individual Majors Committee is certifying the academic quality of the individual major. The committee may require revision in the proposal, reject it, allow or require changes in the general requirements listed above, and/or may recommend changes in the student’s advisory committee.

The proposal

The chairperson of the Individual Majors Committee will also discuss the proposal with the student and may make recommendations on members of an advisory committee.

The proposal should include the following:

1. A statement of objectives. This should be in sufficient detail to inform the committee of what the student has in mind and what is expected to be achieved by the proposed major.
2. A rationale for the program. If there are items in support of the proposal, e.g., a portfolio on related studies, description of related work experience, writings, etc., it is appropriate to include these in support of the rationale.
3. A list of the required courses and any cognates for the major. In addition, the sequence in which these courses are to be taken should be included. If a senior thesis is part of the program, then a general statement should be provided as to a possible subject for that thesis.
4. The proposal is to be signed by the members of the advisory committee. On a separate page, each member of the committee should give an appraisal of the viability of the proposed major.
Program in Liberal Studies

Program Faculty

**Linda B. Caviness, Director**  
Chair, Curriculum and Instruction  
Professor of Curriculum and Instruction (1999)  
PhD Andrews University 2001  
School of Education, Curriculum and Instruction

**Wilton E. Clarke**  
Professor of Mathematics (1986)  
PhD University of Iowa 1975  
College of Arts and Sciences

**Jeffrey N. Dupée**  
Associate Professor of History (1991)  
PhD Claremont Graduate University 2002  
JD Peninsula University 1988  
College of Arts and Sciences

**Beatriz Mejia-Krumbein**  
Professor of Art (1997)  
MFA James Madison University 1996  
College of Arts and Sciences

**Adeny Schmidt**  
Professor of Psychology (1974)  
PhD University of California, Los Angeles 1986  
College of Arts and Sciences

**Robert K. Thomas**  
Assistant Professor of Health and Exercise Science (2001)  
EdD Boston University 2007  
College of Arts and Sciences

**Donald W. Thurber**  
Professor of Music (1975)  
PhD University of North Texas 1976  
College of Arts and Sciences

Objective

The liberal studies major is a diversified major in the liberal arts tradition. Unique among majors at La Sierra University, the liberal studies major has no encapsulated faculty, is integrated over the entire college curriculum, and can be tailored to individualized student interests and needs. Moreover, the liberal studies major is designed for the prospective elementary teacher to fulfill the Multiple Subjects Elementary Education State Approved Program and to prepare for the California Subject Examinations for Teachers (CSET) in Multiple Subjects. For adult evening students, the College of Arts and Sciences also offers, through the Division of Continuing Studies, a Bachelor of Arts degree with a non-state approved program major in liberal arts. Copies of the requirements for this degree may be secured at the dean's office.

Elementary Education

The liberal studies major should be considered by those students who wish to meet the requirements for elementary subject matter and who need the early field experiences necessary to qualify to begin full-time teaching in public or private schools. The Approved Teacher Education Programs for elementary teaching certification are administered through the School of Education's Department of Curriculum and Instruction. Students who complete the liberal studies major with no substitution for the courses identified in bold type will have completed a Multiple Subject Matter Program for Teaching Credential. These programs are approved by both the Commission on Teacher Credentialing of the State of California and the General Conference of Seventh-day Adventist Department of Education. All liberal studies majors should be advised each quarter by faculty in the School of Education Curriculum and Instruction department. This is especially important for those individuals choosing a liberal studies major that includes required coursework for a teaching credential in elementary education.

Degree Offered

Bachelor of Arts degree in Liberal Studies, with a concentration in one of the following areas: art, biological science, child development, English, history, mathematics, music, physical education, physical science, or Spanish.
Preliminary Credential Requirements

A formal application to the School of Education, Department of Curriculum and Instruction for admission into the Teacher Education program is necessary and should be made immediately upon deciding to enter teacher education. Students who opt for teacher education in advanced standing may need to spend more than the normal four years in college in order to complete requirements. The use of transfer credits toward major requirements must be approved by the academic advisor. In addition to meeting requirements for graduation, prospective elementary teachers must complete the courses listed below:

Required: 97 units as follows:

### 21 units of education cognates:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCI 204*</td>
<td>Teaching in the Multicultural Classroom</td>
</tr>
<tr>
<td>EDFO 305*</td>
<td>Psychological Foundations of Education</td>
</tr>
<tr>
<td>HLSC 214*</td>
<td>Dimensions of Health</td>
</tr>
<tr>
<td>LBST 105*</td>
<td>Seminar in Multiple Subject Matter for Teaching Credential</td>
</tr>
<tr>
<td>LBST 205*</td>
<td>Seminar on Multiple Subject Teaching Credential</td>
</tr>
<tr>
<td>MUED 315*</td>
<td>Music in the Classroom</td>
</tr>
<tr>
<td>HLSC 120*</td>
<td>Lifetime Fitness</td>
</tr>
<tr>
<td>EXSC 384*</td>
<td>Elementary School Physical Education</td>
</tr>
</tbody>
</table>

### Plus, 40 units of professional education:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCI 410, 410L*</td>
<td>Classroom Management, with laboratory</td>
</tr>
<tr>
<td>EDCI 414, 414L*</td>
<td>Reading K-8, with laboratory</td>
</tr>
<tr>
<td>EDCI 415, 415L*</td>
<td>Mathematics K-8, with laboratory</td>
</tr>
<tr>
<td>EDCI 416*</td>
<td>Language and Literacy K-12</td>
</tr>
<tr>
<td>EDCI 417*</td>
<td>Culture, Society, Religion, and Ethics</td>
</tr>
<tr>
<td>EDCI 418*</td>
<td>Science and Health K-8</td>
</tr>
<tr>
<td>EDCI 425*</td>
<td>Student Teaching in the Elementary School</td>
</tr>
<tr>
<td>EDCI 498*</td>
<td>Teaching Performance Assessment Seminar</td>
</tr>
</tbody>
</table>

### Plus, 36 units from University Studies courses, including:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 121*</td>
<td>College Algebra</td>
</tr>
<tr>
<td>UNST 404Q*</td>
<td>Religion, Values, and Social Responsibility</td>
</tr>
<tr>
<td></td>
<td>Theme III selections (one course from each section: A, B, C, &amp; D)*</td>
</tr>
</tbody>
</table>

### Plus, choice of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUMN 204*</td>
<td>Exploring American Culture Through Literature and Film</td>
</tr>
</tbody>
</table>

### Plus, choice of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUMN 205*</td>
<td>Exploring American Culture Through the Visual and Performing Arts</td>
</tr>
</tbody>
</table>

### Plus, choice of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSCI 404*</td>
<td>Humans and the Environment</td>
</tr>
<tr>
<td>NSCI 405*</td>
<td>Scientific Thinking and Religious Belief</td>
</tr>
<tr>
<td>NSCI 406*</td>
<td>Nature and Human Values</td>
</tr>
</tbody>
</table>

### Plus, choice of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLGN 304*</td>
<td>Adventism in Global Perspective</td>
</tr>
<tr>
<td>RLGN 305*</td>
<td>The Experience of Religion in Three Cultures</td>
</tr>
</tbody>
</table>

### Additional requirements for Seventh-day Adventist Basic Credential:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCI 464</td>
<td>Special Education in the Regular Classroom</td>
</tr>
<tr>
<td>RELH 483</td>
<td>History of Seventh-day Adventism</td>
</tr>
<tr>
<td>RELT 245</td>
<td>Christian Beliefs</td>
</tr>
<tr>
<td>RELB</td>
<td>Any RELB course</td>
</tr>
<tr>
<td>PSYC 234</td>
<td>Developmental Psychology</td>
</tr>
</tbody>
</table>

Note: * indicates courses that are required for the undergraduate teacher education program.

MAJORS

Bachelor of Arts

LIBERAL STUDIES

Bachelor of Arts in Liberal Studies students should keep in close contact with their advisors and the evaluators in the Office of the Registrar for updates mandated by the State of California. Some General Studies courses of the University Studies General Education Program are included in the major. Courses in bold type are required for those seeking elementary education certification.

Required: A minimum of 92 units, including:

- Core Curriculum
- Chosen area of concentration
- Core Curriculum: (72 units) Required of all students majoring in Liberal Studies
Required:
20 units of English/Literature

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 304*</td>
<td>Advanced Expository Writing</td>
</tr>
<tr>
<td>ENGL 482*</td>
<td>Advanced Grammar and Style</td>
</tr>
<tr>
<td>ENGL 484*</td>
<td>Language and Linguistics</td>
</tr>
</tbody>
</table>

8 units (4 upper division) selected from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 210</td>
<td>Survey of British Literature: I to 1600</td>
</tr>
<tr>
<td>ENGL 211</td>
<td>Survey of British Literature II: 1600-1800</td>
</tr>
<tr>
<td>ENGL 212</td>
<td>Survey of British Literature III: 1800-1890</td>
</tr>
<tr>
<td>ENGL 213</td>
<td>Survey of British Literature IV: 1890 - present</td>
</tr>
<tr>
<td>ENGL 214</td>
<td>Survey of World Literature</td>
</tr>
<tr>
<td>ENGL 224</td>
<td>Survey of American Literature I: to 1860</td>
</tr>
<tr>
<td>ENGL 225</td>
<td>Survey of American Literature II: 1860 - present</td>
</tr>
<tr>
<td>ENGL 338</td>
<td>Advanced Writing for Print Media</td>
</tr>
<tr>
<td>ENGL 405</td>
<td>Topics in Creative Writing</td>
</tr>
<tr>
<td>ENGL 406</td>
<td>Writing for Publication</td>
</tr>
<tr>
<td>ENGL 407</td>
<td>Writing for Children</td>
</tr>
<tr>
<td>ENGL 414</td>
<td>World Literature</td>
</tr>
<tr>
<td>ENGL 415*</td>
<td>Topics in Literature for Children</td>
</tr>
<tr>
<td>ENGL 416</td>
<td>Young Adult Literature</td>
</tr>
<tr>
<td>ENGL 425</td>
<td>Major American Authors or Movements</td>
</tr>
<tr>
<td>ENGL 445</td>
<td>Biblical Literature</td>
</tr>
<tr>
<td>ENGL 446</td>
<td>Major British Authors or Movements</td>
</tr>
<tr>
<td>ENGL 457</td>
<td>Chaucer</td>
</tr>
<tr>
<td>ENGL 458</td>
<td>Shakespeare</td>
</tr>
<tr>
<td>ENGL 459</td>
<td>Milton</td>
</tr>
<tr>
<td>ENGL 487A</td>
<td>Classical Rhetoric and Criticism</td>
</tr>
<tr>
<td>ENGL 487B</td>
<td>Contemporary Literary Criticism</td>
</tr>
<tr>
<td>ENGL 490</td>
<td>Advanced Acting</td>
</tr>
</tbody>
</table>

8 units of Fine Arts

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ARTA 205*</td>
<td>The Language of Art</td>
</tr>
<tr>
<td>MUHL 205*</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>UHNR 214</td>
<td>Global Cultural Context: Theory &amp; Practice</td>
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</table>

12 units of Humanities

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>HIST 105*</td>
<td>The Western Intellectual Traditions</td>
</tr>
<tr>
<td>PHIL 204*</td>
<td>Introduction to Philosophy</td>
</tr>
</tbody>
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Plus, choice of:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>HPSC 106*</td>
<td>Race, Ethnicity, and Class in American History</td>
</tr>
<tr>
<td>UHNR 121</td>
<td>Global Cultural Context: Theory &amp; Practice</td>
</tr>
</tbody>
</table>

Plus,

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<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPSC 274*</td>
<td>The Construction of American Political Thought</td>
</tr>
</tbody>
</table>

24 units of Science/Mathematics/Health

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 107*</td>
<td>Human Biology</td>
</tr>
<tr>
<td>BIOL 131</td>
<td>Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>HLSC 214</td>
<td>Dimensions of Health</td>
</tr>
<tr>
<td>UHNR 114</td>
<td>The Scientific Process</td>
</tr>
</tbody>
</table>

Plus, choice of:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 327*</td>
<td>Survey of Biological Principles</td>
</tr>
<tr>
<td>UHNR 324</td>
<td>Science and the Future</td>
</tr>
</tbody>
</table>

Plus,

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 316*</td>
<td>Earth and Space Science</td>
</tr>
<tr>
<td>PHYS 117*</td>
<td>Introduction to Physics</td>
</tr>
<tr>
<td>MATH 121*</td>
<td>College Algebra</td>
</tr>
</tbody>
</table>

Plus, choice of:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 155</td>
<td>Introductory Statistics</td>
</tr>
<tr>
<td>MATH 202*</td>
<td>Concepts of Mathematics II</td>
</tr>
</tbody>
</table>

8 units of Social Science

*May not be from the discipline of one’s area of concentration. Required for Multiple Subject Matter Program:*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 276*</td>
<td>Physical and Human Geography</td>
</tr>
<tr>
<td>PSYC 234*</td>
<td>Developmental Psychology</td>
</tr>
<tr>
<td>UHNR 314</td>
<td>Changing Communities</td>
</tr>
</tbody>
</table>

World Languages

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Competency through level 201*</td>
</tr>
</tbody>
</table>

*Note: Courses with prefix UHNR require participation in University Honors Program.*
Areas of Concentration

The student will complete an additional twenty units or more from a discipline selected as a concentration. The following discipline concentrations have been approved by the Multiple Subject Matter Liberal Studies Committee and meet the requirements of the California Commission on Teacher Credentialing.

*The courses that the student selects in the concentration should not have been taken as part of the Liberal Studies core curriculum.*

**Art**

**Required:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 115</td>
<td>Design Principles</td>
</tr>
<tr>
<td>ARTS 116</td>
<td>Color for Artists and Designers</td>
</tr>
<tr>
<td>ARTS 224</td>
<td>Drawing</td>
</tr>
<tr>
<td>ARTS 254</td>
<td>Printmaking</td>
</tr>
<tr>
<td>ARTS 274B</td>
<td>Ceramics: Hand Building</td>
</tr>
</tbody>
</table>

**Biological Science**

**Required:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 111, 111L</td>
<td>General Biology I, with laboratory</td>
</tr>
<tr>
<td>BIOL 112, 112L</td>
<td>General Biology II, with laboratory</td>
</tr>
<tr>
<td>BIOL 113, 113L</td>
<td>General Biology III, with laboratory</td>
</tr>
</tbody>
</table>

**Plus, choice of:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 301, 301L</td>
<td>Cell and Molecular Biology, with laboratory</td>
</tr>
<tr>
<td>BIOL 436</td>
<td>Immunology</td>
</tr>
<tr>
<td>BIOL 466</td>
<td>Systems Physiology</td>
</tr>
</tbody>
</table>

**Plus,**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 410</td>
<td>Science at the Cutting Edge</td>
</tr>
</tbody>
</table>

**Child Development**

**Required:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFSC 264</td>
<td>Foundations in Child Development</td>
</tr>
<tr>
<td>CFSC 265</td>
<td>Developing Creativity in Children</td>
</tr>
<tr>
<td>CFSC 266</td>
<td>Learning Experiences for Young Children</td>
</tr>
<tr>
<td>CFSC 267</td>
<td>Learning Environments for Infants and Toddlers</td>
</tr>
<tr>
<td>CFSC 405</td>
<td>Children and Stress</td>
</tr>
<tr>
<td>CFSC 486</td>
<td>Contemporary Parenting</td>
</tr>
</tbody>
</table>

**English**

**Required:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 446A-Z</td>
<td>Major British Authors or Movements</td>
</tr>
<tr>
<td>ENGL 457</td>
<td>Chaucer</td>
</tr>
<tr>
<td>ENGL 458</td>
<td>Shakespeare</td>
</tr>
<tr>
<td>ENGL 459</td>
<td>Milton</td>
</tr>
</tbody>
</table>

**Plus, 4 units (upper division) of English Literature, selected from:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 414A-Z</td>
<td>World Literature</td>
</tr>
<tr>
<td>ENGL 445</td>
<td>Biblical Literature</td>
</tr>
<tr>
<td>ENGL 487A</td>
<td>Classical Rhetoric and Criticism</td>
</tr>
</tbody>
</table>

**Plus, 4 units (upper division) of American Literature, selected from:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 415B</td>
<td>Literature for Children Post 1940</td>
</tr>
<tr>
<td>ENGL 416</td>
<td>Young Adult Literature</td>
</tr>
<tr>
<td>ENGL 425A-Z</td>
<td>Major American Authors or Movements</td>
</tr>
</tbody>
</table>

**Plus, 8 units (upper division) ENGL (must include one writing course not taken as part of the core curriculum), selected from:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 329</td>
<td>Advanced Reporting and News Editing</td>
</tr>
<tr>
<td>ENGL 337</td>
<td>Magazine/Feature Article Writing</td>
</tr>
<tr>
<td>ENGL 405</td>
<td>Topics in Creative Writing</td>
</tr>
<tr>
<td>ENGL 414</td>
<td>World Literature</td>
</tr>
<tr>
<td>ENGL 416</td>
<td>Young Adult Literature</td>
</tr>
<tr>
<td>ENGL 425</td>
<td>Major American Authors or Movements</td>
</tr>
<tr>
<td>ENGL 445</td>
<td>Biblical Literature</td>
</tr>
<tr>
<td>ENGL 446</td>
<td>Major British Authors or Movements</td>
</tr>
<tr>
<td>ENGL 457</td>
<td>Chaucer</td>
</tr>
<tr>
<td>ENGL 458</td>
<td>Shakespeare</td>
</tr>
<tr>
<td>ENGL 459</td>
<td>Milton</td>
</tr>
<tr>
<td>ENGL 485</td>
<td>English Colloquium</td>
</tr>
<tr>
<td>ENGL 487A</td>
<td>Classic Rhetoric and Criticism</td>
</tr>
<tr>
<td>ENGL 487B</td>
<td>Contemporary Literary Criticism</td>
</tr>
<tr>
<td>ENGL 490</td>
<td>Advanced Acting</td>
</tr>
</tbody>
</table>
## History

**Required:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 105</td>
<td>The Western Intellectual Traditions</td>
</tr>
<tr>
<td>HIST 273</td>
<td>Gender, Family, and Society</td>
</tr>
<tr>
<td>HPSC 104</td>
<td>Global Interactions Since the Age of Columbus</td>
</tr>
<tr>
<td>HPSC 275</td>
<td>Critical Analysis</td>
</tr>
</tbody>
</table>

**Plus, 8 units (upper division) HIST courses**

---

## Mathematics

**Required:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 131</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 132</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MATH 231</td>
<td>Introduction to Linear Algebra &amp; Discrete Mathematics</td>
</tr>
<tr>
<td>MATH 345</td>
<td>College Geometry</td>
</tr>
</tbody>
</table>

**Plus, 4 units from:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 133</td>
<td>Calculus III</td>
</tr>
<tr>
<td>MATH 155</td>
<td>Introductory Statistics</td>
</tr>
</tbody>
</table>

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## Music

**Required:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUCT 105</td>
<td>Introduction to Music Theory</td>
</tr>
<tr>
<td>MUCT 112</td>
<td>Music Theory IA</td>
</tr>
<tr>
<td>MUCT 113</td>
<td>Music Theory IB</td>
</tr>
</tbody>
</table>

**1-3 units of MUPF 105** *(until Proficiency Exam is passed or a maximum of three quarters)*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUHL 338</td>
<td>Music of Non-Western Cultures</td>
</tr>
<tr>
<td>MUHL 339</td>
<td>Contemporary Popular Styles</td>
</tr>
<tr>
<td>MUPF 216</td>
<td>Basic Conducting Skills</td>
</tr>
</tbody>
</table>

**3 units to be selected from one of the following (three consecutive quarters required, beginning with Fall quarter):**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUPF 377A</td>
<td>University Chorale</td>
</tr>
<tr>
<td>MUPF 379</td>
<td>La Sierra Symphony</td>
</tr>
<tr>
<td>MUPF 385B</td>
<td>Jazz Ensemble</td>
</tr>
<tr>
<td>MUPF 386</td>
<td>Wind Ensemble</td>
</tr>
</tbody>
</table>

---

## Physical Education

**Required:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 216A</td>
<td>Cardiopulmonary Resuscitation</td>
</tr>
<tr>
<td>EXSC 216B</td>
<td>First Aid</td>
</tr>
<tr>
<td>EXSC 444</td>
<td>Physiological Assessment &amp; Exercise Prescription</td>
</tr>
<tr>
<td>EXSC 344</td>
<td>Special Education</td>
</tr>
<tr>
<td>EXSC 384</td>
<td>Elementary School Physical Education</td>
</tr>
<tr>
<td>EXSC 427</td>
<td>Motor Learning</td>
</tr>
</tbody>
</table>

**Plus, 6 units chosen from:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 290</td>
<td>Individual Activities I</td>
</tr>
<tr>
<td>EXSC 291</td>
<td>Individual Activities II</td>
</tr>
<tr>
<td>EXSC 301</td>
<td>Technique and Theory of Flagball</td>
</tr>
<tr>
<td>EXSC 302</td>
<td>Technique and Theory of Soccer</td>
</tr>
<tr>
<td>EXSC 303</td>
<td>Technique and Theory of Basketball</td>
</tr>
<tr>
<td>EXSC 304</td>
<td>Technique and Theory of Volleyball</td>
</tr>
<tr>
<td>EXSC 305</td>
<td>Technique and Theory of Baseball/Softball</td>
</tr>
<tr>
<td>EXSC 306</td>
<td>Technique and Theory of Track and Field</td>
</tr>
</tbody>
</table>

---

*MUCT 105 can be waived upon passing Theory Placement Exam and would not then be counted as part of 20-unit requirement.

**For those pursuing a Liberal Studies degree with no plans to teach in the classroom, MUPF 105 can be waived in lieu of proficiency in another instrument or voice. Student would need to petition the Department of Music.
Program in Liberal Studies

Physical Science
Required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 101, 101L</td>
<td>Introductory Inorganic Chemistry, with laboratory</td>
</tr>
<tr>
<td>CHEM 102, 102L</td>
<td>Introductory Organic Chemistry, with laboratory</td>
</tr>
<tr>
<td>CHEM 103, 103L</td>
<td>Introductory Biochemistry, with laboratory</td>
</tr>
<tr>
<td>PHYS 231, 231L</td>
<td>General Physics I, with laboratory</td>
</tr>
<tr>
<td>PHYS 304</td>
<td>Astronomy</td>
</tr>
</tbody>
</table>

Spanish
Required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 307</td>
<td>Advanced Spanish Language Proficiency</td>
</tr>
</tbody>
</table>

**Plus, choice of:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 329</td>
<td>Advanced Spanish Grammar</td>
</tr>
<tr>
<td>SPAN 344</td>
<td>Applied Spanish Linguistics</td>
</tr>
<tr>
<td>SPAN 426</td>
<td>Spanish Civilization</td>
</tr>
<tr>
<td>SPAN 428</td>
<td>Spanish-American Civilization</td>
</tr>
</tbody>
</table>

**Plus, choose 8 units (upper division) selected from the following courses (4 of which must be literature):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 318</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>SPAN 329</td>
<td>Advanced Spanish Grammar</td>
</tr>
<tr>
<td>SPAN 417</td>
<td>Translation and Interpretation</td>
</tr>
<tr>
<td>SPAN 499</td>
<td>Directed Study</td>
</tr>
<tr>
<td>WDLG 495</td>
<td>Research</td>
</tr>
<tr>
<td>SPAN 347</td>
<td>Peninsular Spanish Literature</td>
</tr>
<tr>
<td>SPAN 348</td>
<td>Spanish-American Literature 1492-1888</td>
</tr>
<tr>
<td>SPAN 468</td>
<td>Themes: Contemporary Spanish Literature: XXth Century</td>
</tr>
<tr>
<td>SPAN 469</td>
<td>Themes: Contemporary Latin American Literature: XXth Century</td>
</tr>
</tbody>
</table>
Program in Mathematics

Department Faculty

Barbara Kreaseck, Chair
Professor of Computer Science (1989)
PhD University of California, San Diego 2003
Program analysis, Distributed Computation

James W. Beach
Associate Professor of Mathematics (1979)
D.A. Idaho State University 1977
Analysis, probability, statistics

Wilton E. Clarke
Professor of Mathematics (1986)
PhD University of Iowa 1975
Topology, algebra, mathematics education

Sharilyn R. Horner
Assistant Professor of Mathematics (2000)
MA California State University, Fullerton 2002
Mathematics

Vernon W. Howe
Professor of Mathematics and Computer Science (1974)
PhD Dartmouth College 1971
Algebra, modeling, theoretical computer science

John D. Ng Wong Hing
Assistant Professor of Mathematics (1996)
MA University of California, Los Angeles 1979
Mathematics education, logic and foundations

Jon D. Vanderwerff
Professor of Mathematics (1998)
PhD University of Alberta 1992
Functional analysis, geometry of Banach spaces

Objectives

The department provides a curriculum in mathematics as a cultural study for all liberal arts students, as a basic tool for the scientist, and as a preparation for graduate study and for teaching.

Learning Outcomes

1. Demonstrate proficiency in the major content areas of mathematics or biomathematics at the bachelor’s degree level.
2. Employ technology and use tools such as computer software and the web to investigate mathematical concepts and applications.
3. Demonstrate skills in reading, writing, and speaking mathematical ideas.
4. Understand the role of proof in mathematics and have the ability to construct simple proofs.
5. Demonstrate the ability to develop and use mathematical and quantitative models.
6. Devise and use problem-solving strategies and apply them to diverse mathematical and quantitative problems.
7. Work effectively in teams and to collaborate with peers to accomplish course assignments.
8. Undertake intellectually demanding mathematical reasoning.
9. Understand the importance of theory and abstraction and the role of examples and applications in motivating theoretical and abstract concepts.
10. Demonstrate ethical behavior in using and reporting results utilizing mathematical reasoning, as well as being aware of ethical issues in society that involve mathematical and quantitative reasoning.

Degrees Offered

Bachelor of Science degrees in:

- Biomathematics
- Mathematics
- Minor in Mathematics

Preparation for teaching

Students interested in learning more about the preparation involved for teaching at the elementary and secondary levels, should refer to the Department of Curriculum and Instruction section in this bulletin.

MAJORS

Bachelor of Science

BIOMATHEMATICS

Offered with the Department of Biology.

Required: 75 units, as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPTG 121</td>
<td>Introduction to Computer Science I</td>
</tr>
<tr>
<td>MATH 131</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 132</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MATH 133</td>
<td>Calculus III</td>
</tr>
</tbody>
</table>
Program in Mathematics

**MATH 231**  
Introduction to Linear Algebra & Discrete Mathematics

**MATH 232**  
Differential Equations

**MATH 233**  
Vector Calculus

**MATH 461**  
Biomathematical Modeling I

**MATH 462**  
Biomathematical Modeling II

**BIOL 111, 111L**  
General Biology I, with laboratory

**BIOL 112, 112L**  
General Biology II, with laboratory

**BIOL 113, 113L**  
General Biology III, with laboratory

**BIOL 301, 301L**  
Cell and Molecular Biology, with laboratory

**BIOL 302, 302L**  
Genetics, with laboratory

**Plus, 12 additional units of upper division mathematics, computer science, or biology courses.**

---

**Note:** One unit may be applied to the biomathematics major for each biochemistry course elected from CHEM 491 Biochemistry I, or CHEM 492 Biochemistry II, and 2 units may be added for CHEM 493 Biochemistry III.

**Two units from CPTG 485 or MATH 485 Seminar; or BIOL 405 Biology Seminar**

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**Required Cognates:**

**CHEM 111, 111L**  
General Chemistry I, with laboratory

**CHEM 112, 112L**  
General Chemistry II, with laboratory

**CHEM 113, 113L**  
General Chemistry III, with Laboratory

**CHEM 271**  
Organic Chemistry I

---

**Recommended:**

**CHEM 272**  
Organic Chemistry II

**CHEM 273**  
Organic Chemistry III

**PHYS 231**  
General Physics I

**PHYS 232**  
General Physics II

**PHYS 233**  
General Physics III

---

**MATHEMATICS**

**Required:** 62 units, as follows:

**CPTG 121**  
Introduction to Computer Science

**MATH 131**  
Calculus I

**MATH 132**  
Calculus II

**MATH 133**  
Calculus III

**MATH 231**  
Introduction to Linear Algebra and Discrete Mathematics

**MATH 232**  
Differential Equations

**MATH 233**  
Vector Calculus

**MATH 324**  
Linear Algebra

**MATH 415**  
Sets and Number Systems

**MATH 416**  
Abstract Algebra I

**MATH 431**  
Analysis I

**MATH 432**  
Analysis II

**Plus, 2 units from:**

**CPTG 485**  
Seminar

**MATH 485**  
Seminar

**Plus, 12 additional units of upper division computer science or mathematics courses**

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**Required Cognates:**

**PHYS 231**  
General Physics I

**Plus, 8 units from:**

**PHYS 232**  
General Physics II

**PHYS 233**  
General Physics III

**CHEM 351**  
Physical Chemistry: Thermodynamics

**CHEM 352**  
Physical Chemistry: Dynamics

**CHEM 353**  
Physical Chemistry: Quantum Mechanics

---

**Recommended for those pursuing teaching credentials:**

**MATH 345**  
College Geometry

**MATH 415**  
Sets and Number Systems

**MATH 422**  
Abstract Algebra

**MATH 451**  
Introduction to Mathematical Statistics I

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**MINOR**

**MATHEMATICS**

**Required:** 29 units including:

- The following courses
- Remaining units to be selected from MATH courses applicable toward a mathematics major, excluding directed study courses MATH 299 and MATH 499
- CPTG 121 may be applied

**MATH 131**  
Calculus I

**MATH 132**  
Calculus II

**MATH 133**  
Calculus III

**MATH 231**  
Introduction to Linear Algebra and Discrete Mathematics

**Plus, 1 unit from:**

**CPTG 485**  
Seminar

**MATH 485**  
Seminar
COURSES

A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.

Pre-Foundational

MATH 006 Introductory Algebra (4): Review of arithmetic and a study of elementary algebra. This course will emphasize problem-solving using algebra. Does not apply toward any degree or certificate at La Sierra University. Prerequisite: Appropriate score on placement examination

MATH 007 Intermediate Algebra (4): Techniques for handling polynomial and rational expressions, solutions of equations, exponents and logarithms, the quadratic equation, graphs. The course reviews high school Algebra I and covers the standard topics of high school Algebra II. Does not apply toward any degree or certificate at La Sierra University. Prerequisite: MATH 006 or appropriate score on placement examination

LOWER DIVISION

MATH 115 Applications of Mathematics (4): This course examines how mathematics applies to real-world problems. Applications will be chosen from topics such as methods of voting and of apportionment, the mathematics of money, probability, paths and networks, number theory, games, truth tables and arguments, and tessellations and polyhedra. Does not apply toward any mathematics or computer science program. Prerequisite: MATH 007 or appropriate score on placement examination

MATH 121 College Algebra (4): Manipulation techniques for polynomial, rational, exponential, and radical expressions. Properties of the exponential and logarithmic functions. Solutions of systems of equations and inequalities. Complex numbers, theory of equations, curve sketching, sequences and series. Does not apply toward any mathematics or computer science program. Prerequisite: MATH 007 or appropriate score on placement examination

MATH 122 Trigonometry and Analytical Geometry (4): Standard trigonometric identities, sine and cosine rules, two- and three-dimensional applications, complex numbers, DeMoivre's theorem, n-th roots of unity. Equations of straight lines and conics; identification of conics and their basic geometrical properties. Does not apply toward any mathematics or computer science program. Prerequisite: MATH 121 or appropriate score on placement examination

MATH 131 Calculus I (4): Functions, limits, continuity, definition of derivatives, techniques of differentiation, applications of derivatives, definite and indefinite integral, mean value theorem, fundamental theorem of calculus. Prerequisite: MATH 122 or appropriate score on placement examination

MATH 132 Calculus II (4): Calculus of transcendental functions, techniques of integration, applications of integration, indeterminate forms, improper integrals. Prerequisite: MATH 131

MATH 133 Calculus III (4): Taylor series; plane curves; polar, cylindrical, and spherical coordinates; solid analytic geometry; vector-valued functions; partial differentiation and applications; multiple integrals and applications. Prerequisite: MATH 132

MATH 155 Introductory Statistics (4): Basic concepts of probability, descriptive statistics, normal distributions, confidence intervals, hypothesis testing applied to means, proportions, chi-square, introduction to correlation and regression, and simple analysis of variance. Does not apply toward any mathematics program or to the Bachelor of Science degree in Computer Science. Not open to students who previously earned credit in BUAD 341 or ECON 341 or ECON 241. Prerequisite: MATH 007 or appropriate score on placement examination

MATH 201 Concepts of Mathematics I (4): Topics from the following: natural, integer, rational, and real number systems; computer literacy; set algebra; elementary logic; and mathematics history. Does not apply toward any mathematics or computer science program. Course is not regularly offered. Prerequisites: MATH 007 or appropriate score on placement examination, one year of high school geometry or equivalent & CPTG 104 or equivalent

MATH 202 Concepts of Mathematics II (4): Topics from set algebra, elementary logic, geometry, probability, statistics, and mathematics history. Does not apply toward any mathematics or computer science program. Prerequisite: MATH 121 or MATH 201

MATH 231 Introduction to Linear Algebra & Discrete Mathematics (4): Matrix algebra and determinants; systems of linear equations; introduction to relations, digraphs, and trees. Prerequisite: MATH 132

MATH 232 Differential Equations (4): Ordinary differential equations: operator methods, variation of parameters, series solutions, introduction to numerical methods. Fourier series. Prerequisite: MATH 133 & 231

MATH 233 Vector Calculus (4): Vector fields, vector calculus, divergence, and theorems of Green and Stokes. Prerequisite: MATH 133
MATH 251 Introduction to Statistics I (4): Basic concepts of probability, descriptive statistics, normal distribution; hypothesis testing applied to means, power, chi-square; introduction to correlation and regression; and simple analysis of variance. Does not apply toward any mathematics program or the Bachelor of Science in Computer Science. Not open to students who previously earned credit in BUAD 341 or ECON 341 or ECON 241. Course is not regularly offered.  
Prerequisite: MATH 121

MATH 261 Finite Mathematics for Business I (4): Review of arithmetic and elementary algebra including linear and quadratic equations. Topics chosen from arithmetic and geometric progressions and depreciations, interest and dated values, combinatorics and introduction to probability, and introduction to descriptive statistics. Does not apply toward any mathematics or computer science program.  
Prerequisite: Admission to Access and appropriate score on placement examination

MATH 262 Finite Mathematics for Business II (4): A continuation of MATH 261. Does not apply toward any mathematics or computer science program.  
Prerequisites: MATH 261

MATH 276 Discrete Mathematics (4): Introduction to the foundations of discrete mathematics as they apply to computer science, focusing on providing a solid theoretical foundation for further work. Topics include functions, relations, sets, proof techniques, Boolean algebra, fundamentals of counting, elementary number theory, recurrence relations, graphs, trees, and discrete probability.  
Prerequisite: CPTG 121 or MATH 131

MATH 299 Directed Study (1-4): A lower division level study of topics or problems not covered in courses currently being taught. May be repeated for additional credit with consent of the department chair.  
Prerequisite: Consent of the department chair

UPPER DIVISION

MATH 324 Linear Algebra (4): Vector spaces, linear transformations, matrices and determinants, eigenvalues and eigenvectors, canonical forms. Offered alternate years.  
Prerequisite: MATH 231

MATH 345 College Geometry (4): Elementary and modern plane euclidean geometry. Topics chosen from noneuclidean geometry, foundations of geometry. Offered alternate years.  
Prerequisite: MATH 231 (can be concurrently enrolled)

MATH 361 Numerical Methods I (4): Numerical solutions to nonlinear equations; error analysis; interpolation and approximation; numerical differentiation and integration; numerical solutions to ordinary differential equations. Offered alternate years.  
Prerequisites: CPTG 121, MATH 231 & 232

MATH 362 Numerical Methods II (4): A continuation of MATH 361. Topics include systems of equations; eigenvalues; curve fitting and approximation theory; and additional topics chosen from numerical solutions to partial differential equations, Fourier series, and boundary value problems. Offered alternate years.  
Prerequisite: MATH 361

MATH 415 Sets and Number Systems (4): Introduction to informal axiomatic set theory; systematic development of the natural, integer, rational, and real number systems; topological properties of the real line. Offered alternate years.  
Prerequisites: MATH 133 & 231

MATH 421 Abstract Algebra I (4): An introduction to groups; quotient groups; rings; and fields. Offered alternate years.  
Prerequisite: MATH 324

MATH 422 Abstract Algebra II (4): A continuation of MATH 421. Further topics include unique factorization domains, field extensions, and unsolvability of certain geometrical constructions. Offered alternate years.  
Prerequisite: MATH 421

MATH 431 Analysis I (4): Topics include the topology of the real line, sequences, limits, continuity, and differentiation. Offered alternate years.  
Prerequisite: MATH 415

MATH 432 Analysis II (4): A continuation of MATH 431. Further topics include Riemann integration, sequences and series of functions, and uniform convergence. Additional topics chosen from metric spaces, topological spaces, and Lebesque integration. Offered alternate years.  
Prerequisite: MATH 431

MATH 451 Introduction to Mathematical Statistics I (4): Topics chosen from: probability, random variables, moment-generating functions, special distributions, large- and small-sample methods, theoretical frequency distributions, sampling theory, correlation and regression, testing goodness-of-fit, principles of estimation, hypothesis testing, and nonparametric methods. Offered alternate years.  
Prerequisites: MATH 133 & 231

MATH 461 Biomathematical Modeling I (4): Mathematical modeling of problems in the life sciences, including deterministic, probabilistic and chaotic models; computer simulations. Offered alternate years.  
Prerequisites: CPTG 121, MATH 232, BIOL 113 & 113L

MATH 462 Biomathematical Modeling II (4): A continuation of MATH 461. Further study of deterministic, probabilistic and chaotic models; and computer simulations. Offered alternate years.  
Prerequisite: MATH 461
**Program in Mathematics**

**MATH 485 Seminar (0.5-2):** Informal seminars dealing with topics chosen from areas of pure or applied mathematics or computer science, and which are not usually covered in regular mathematics or computer science courses. Level of accessibility may vary by topic. May be repeated with new content for additional credit. Four units maximum may be counted toward any program in the Department of Mathematics and Computer Science. Cross-listed as CPTG 485. May not register for both CPTG 485 and MATH 485 during the same term. *Prerequisite: MATH 131*

**MATH 486 Topics in Mathematics (2-4):** Content determined by the interests of faculty and students, with specific areas listed in class schedule. May be repeated with new content for additional credit. *Prerequisite: Consent of the instructor*

**MATH 499 Directed Study (1-4):** Upper division study of topics or problems not covered in courses currently being taught. May be repeated for additional credit. *Prerequisite: Consent of the department chair. Restriction: Limited to majors in the Department of Mathematics and Computer Science*
Department of Music

Department Faculty

Elvin S. Rodriguez, Chair
Professor of Music (1998)
EdD Teachers College of Columbia University 1991
Piano, music technology

John Carter
Assistant Professor of Music (2011)
MMus University of California Los Angeles 2004
Orchestral conducting, piano proficiency

Barbara Favorito
Professor of Music (1990)
DMA University of Miami 1990
Conducting, music education

Raejin Lee
Assistant Professor of Music (2005)
DMA Rutgers University 2008
Voice

Kenneth Narducci
Professor of Music (2006)
DMA University of Oregon 1989
Theory, wind studies

René M. Ramos
Associate Professor of Music (1983)
PhD Indiana University 1997
Musicology, theory

E. Earl Richards II
Assistant Professor of Music (2002)
DMA University of California, Los Angeles 2010
Choral, conducting

Kimo Smith
Associate Professor of Music (1990)
DMA University of California, Los Angeles 1997
Piano, organ, collaborative arts

Donald W. Thurber
Professor of Music (1975)
PhD University of North Texas 1976
Music education, church music

Jason J. Uyeyama
Associate Professor of Music (2002)
MMus The Juilliard School 2001
Violin, viola, chamber music

Collaborating Faculty

Aram Barsamian
MMus University of Southern California 1996
Voice

Mark Braunstein
MM Cleveland Institute of Music (1980)
Viola

David Brennan
DMA University of California, Los Angeles 2004
Saxophone, chamber music

Celia Chan Valerio
DMA Indiana University 2008
Harp

Jamie Douglass
BS Indiana University, Bloomington 1999
Percussion

Frankie Farrell
MMus University of California, Los Angeles 1981
Music technology

Elvin L. Geneston
PhD University of North Texas 2008
Physics, music technology

Martin Glicklich
DMA University of Southern California 1998
Flute

Laura Griffiths-Brenes
MMus University of Southern California 2002
Horn

David Kendall
PhD University of California, Riverside 2010
Theory lab, low brass

Charles Koster
MA University of Iowa, Iowa City 1978
Bassoon

Ping-Herg Denny Lin
MS California State University, Fullerton 2003
Music technology
Objectives

In harmony with La Sierra University’s mission to enlarge human understanding through scholarship, to educate the whole person, and to serve others in a global community, the mission of the Music Department is to advance the study and practice of music within the context of Christian values and ideals by:

1. Participating in the campus-wide emphasis on a broad, balanced curriculum by providing the non-music major opportunities to participate in performance ensembles, performance instruction, and general education classes.
2. Fostering an environment that supports a learning dialogue among the students, faculty, and community.
3. Assisting in gaining insight into the significance and function of music in the student’s spiritual life and community of worshippers.
4. Nurturing the student’s growth in aesthetic sensitivities and values and enabling the student to effectively communicate these values.
5. Assisting the student in developing a critical and open-minded approach to music of diverse cultures and styles.
6. Stimulating the student’s awareness of the vital role of music in society and inspiring a commitment to help provide exposure to music for all.
7. Supporting the advancement of musical life in the Seventh-day Adventist Church by encouraging the student to become an active contributor.
8. Fostering the student’s development of self-discipline, responsibility, and professionalism in music.

Learning Outcomes

The Department of Music at La Sierra University is committed to helping the serious music student develop a life-long engagement with music as performer, composer, and listener. By providing the essential tools for making and responding to music, it is the aim of the following student learning outcomes to create a “whole” musician with the requisite skills, experiences, and artistic sensibilities that have the potential to continually inform and transform the musical life during and after formal study. Thus, at the completion of music studies at La Sierra University, the student will have developed:

1. A seeing ear and a hearing eye. Further defined, students should be able to recognize, identify, and create, given notation and/or sound, simple to complex patterns and structures as they relate to the musical elements of pitch, duration, amplitude, and timbre.
2. A theoretical foundation of music. Analytical techniques, from simple to advanced, are presented as tools to help in understanding and internalizing musical form and content. This leads to the student’s development as “analyzer and evaluator” in becoming a qualified listener.
3. The ability, given sound and/or notation, to respond to, perform and shape the elements of music. This suggests being able to manipulate these elements within the
student’s role as listener (both analytical and evaluative), performer, or composer, in a stylistically coherent and informed manner.

4. A working knowledge and practical understanding of the history of music and musical styles. Primarily based on the European-centered tradition, but also observed from world traditions, this study informs the student’s role as listener, performer and composer.

5. An understanding and application of appropriate pedagogical techniques, methods and tools as they relate to the variety of demands placed on today’s music teacher. Depending on the student’s area of emphasis, this means gaining effectiveness in the implementation of methodologies in primary and secondary areas of musical expertise as they relate to age group and discipline.

6. Refined technical and interpretive skills necessary for informed solo and collaborative performance appropriate to the degree.

7. A basic competency in music technology. These elements include digital notation, sequencing, MIDI sequencing, audio recording, and web integration of multi-media objects.

8. A broad base of experiences on which to build a personal philosophy of music. In light of the above outcomes, this means being able to appreciate music of worth, and distinguish between what is long-lasting and what is fad, in secular and sacred styles.

Entrance Requirement

Applicants for bachelor degrees in music must pass an entrance audition. This audition may be performed before entering the University as part of the admissions process, or by the end of the second quarter of residence. Students from the local area are expected to audition in person; others may submit a good quality recording. Auditions should demonstrate the applicant’s musical and technical ability and should be comprised of two contrasting pieces, totaling 10-20 minutes in length.

Applicability to Major Programs

For students majoring in music, the following conditions apply:

1. Individual music instruction must be under the direction of the music faculty.

2. Transfer students must take a minimum of 6 units of individual instruction courses in their primary field at this University.

3. All majors, regardless of their concentration, must fulfill the piano proficiency requirement as stated in the Department of Music Student Handbook.

4. Candidates for the Bachelor of Music degree are required to present recitals as indicated in the various concentrations. See the Department of Music Student Handbook.

5. A music major must fulfill the requirements as outlined in the Department of Music Student Handbook to be considered a music major in good standing. Handbooks may be obtained from the Music Department office.

Individual Instruction

Individual instruction is offered with or without credit. Credit is earned as follows:

1. Attendance at nine lessons per quarter, with a minimum of five practice hours a week for each unit of credit.

2. Participation in public recitals and master classes as specified by the instructor.

3. Successful completion of a final evaluation.

Music Ensemble Requirement

All music majors must be enrolled in one of the major ensembles of the University each quarter. Students are required to audition in their declared performance area, and will be placed in the appropriate ensemble.

Instrumental Options:

• La Sierra University Wind Ensemble
• La Sierra University Orchestra
• La Sierra University Big Band

Vocal Options:

• La Sierra University Chorale
• La Sierra University Chamber Singers

Keyboard majors are to be enrolled in any one of the ensembles listed above. If, upon audition, a student cannot be placed in a primary ensemble, the student will be assigned to one of the ensembles organized by the department.

Concert Attendance

All music majors must fulfill a concert attendance requirement. The requisites for this fulfillment are outlined in the Department of Music Student Handbook.

Limitation of Credit

Admission to upper division individual instruction courses is granted pending the successful completion of an audition before the music faculty as outlined in the Department of Music Student Handbook.
Department of Music

MAJORS

Bachelor of Arts

MUSIC

Required: 73 units in music, including:

- 10 units of individual instruction in the primary field, including:
  - 6 units at 200 level
  - 3 units at 300 level and MUPF 398 or a 4 unit special study project in music, approved and supervised by the music faculty
- 6 units of music electives (MUCT, MUED, MUHL, or MUPF)
- 12 units (minimum) of specified ensembles*
- The following courses:

*Music majors must be enrolled in a major ensemble each quarter in attendance.

Bachelor of Music

MUSIC

Core Curriculum: (68 units) Required of all students receiving a Bachelor of Music degree

Required:

- 12 units of specified ensembles **
- The following courses

Note: **Music majors must be enrolled in a major ensemble each quarter in attendance with the exception of Music Education majors doing student teaching.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MUCT 112, 112L</td>
<td>Music Theory IA, with laboratory</td>
</tr>
<tr>
<td>MUCT 113, 113L</td>
<td>Music Theory IB, with laboratory</td>
</tr>
<tr>
<td>MUCT 211</td>
<td>Music Theory IIA</td>
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<td>MUCT 212</td>
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<td>MUCT 213</td>
<td>Music Theory IIC</td>
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<tr>
<td>MUCT 314</td>
<td>Counterpoint</td>
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<tr>
<td>MUCT 315</td>
<td>Music Form and Analysis</td>
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<tr>
<td>MUET 105</td>
<td>Introduction to Music Technology</td>
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<tr>
<td>MUHL 335</td>
<td>History of Western Music Before 1600</td>
</tr>
<tr>
<td>MUHL 336</td>
<td>History of Western Music (1600-1800)</td>
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<tr>
<td>MUHL 337</td>
<td>History of Western Music Since 1800</td>
</tr>
<tr>
<td>MUHL 338</td>
<td>Music of Non-Western Cultures</td>
</tr>
<tr>
<td>MUHL 339</td>
<td>Contemporary Popular Styles</td>
</tr>
<tr>
<td>MUPF 289/389</td>
<td>Concert Attendance</td>
</tr>
<tr>
<td>MURE 489</td>
<td>Music and Worship</td>
</tr>
</tbody>
</table>

Recommended:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MUHL 485</td>
<td>Music of the Christian Church</td>
</tr>
<tr>
<td>MUPF 314</td>
<td>Introduction to Conducting</td>
</tr>
</tbody>
</table>

Areas of Concentration: (students choose one)

- Music Education
- Performance
MUSIC EDUCATION:

Required: 120 units in music, including:

- Core Curriculum
- 2 units of music electives (MUCT, MUED, MUHL, or MUPF)
- 20 units (8 upper division) of individual instruction, 16 of which are in one field
- 2 units of ensemble in addition to the core curriculum requirement
- The following courses:

  MUCT 415A  Scoring for Instruments and Voices I
  MUCT 415B  Scoring for Instruments and Voices II
  MUED 220A  Singers Diction I
  MUED 244    String Methods and Techniques
  MUED 254A  Flute Methods and Techniques
  MUED 254B  Single Reed Methods and Techniques
  MUED 254C  Double Reed Methods and Techniques
  MUED 264A  Trumpet Methods and Techniques
  MUED 264B  Trombone Methods and Techniques
  MUED 264C  Horn/Tuba Methods and Techniques
  MUED 274   Percussion Methods and Techniques
  MUED 294*  Vocal Methods and Techniques
  MUED 305   Choral Methods
  MUED 405   Instrumental Methods
  MUPF 315   Intermediate Conducting
  MUPF 316   Choral Conducting
  MUPF 317   Instrumental Conducting

Note: *Music Education majors with a vocal emphasis substitute MUED 327 Vocal Pedagogy for MUED 294 Vocal Methods and Techniques

Note: State certification required including student teaching. Application for the teacher education program is required upon completion of EDCI 204 Process of Teaching. Required pre-professional and profession courses (“Teaching Credential-Single Subject”) are available through the School of Education.

PERFORMANCE:

Required: 117 units in music, including:

- Core Curriculum
- MUPF 498  Recital in Music
- 34 units (16 at 300 level or above) of individual instruction in the primary field
- Completion of one of the patterns below (pattern will be identified on the official transcript)

Patterns in Performance:

Piano

- MUED 325A Piano Pedagogy & 325B Piano Literature
- MUPF 284 and/or 384 Chamber Music (6 units)
- 4 units of electives

Strings

- MUED 326  String Pedagogy and Literature
- MUPF 284 and/or 384 Chamber Music (6 units)
- 4 units of electives

Instrument other than piano or strings

- MUHL 328 Wind and Percussion Literature
- MUPF 284 and/or 384 Chamber Music (6 units)
- 6 units of electives

Voice

- MUED 220A Singer’s Diction I
- MUED 220B Singer’s Diction II
- MUED 327 Vocal Pedagogy
- MUHL 329 Song (Vocal) Literature
- MUPF 284 and/or 384 Chamber Music (2 units)
- 4 units of electives
- Required Cognate for Voice: French, German, or Italian through level 201

Bachelor of Science

MUSIC TECHNOLOGY

Required: 145 units (37 upper division), including:

- 20 units of individual instruction
- 12 units of specified ensemble*
- 6 units electives (ARTS, CPTG, MUCT, MUET, MUHL, PHYS)
- The following courses:

  CPTG 121  Introduction to Computer Science
  MUCT 112, 112L  Music Theory I A, with laboratory
  MUCT 113, 113L  Music Theory IB, with laboratory
  MUCT 211, 211L  Music Theory IIA, with laboratory
  MUCT 212, 212L  Music Theory IIB, with laboratory
  MUCT 213, 213L  Music Theory IIC, with laboratory
  MUCT 314  Counterpoint
  MUCT 315  Music Form and Analysis
  MUCT 415  Orchestration
  MUET 101  Fundamentals of Audio and Music Technology
  MUET 105  Introduction to Music Technology
  MUET 185  Electronic Music Systems I
  MUET 211, 211L  Recording Technology I, with laboratory

* Required Cognate for Voice: French, German, or Italian through level 201

Note: State certification required including student teaching. Application for the teacher education program is required upon completion of EDCI 204 Process of Teaching. Required pre-professional and profession courses (“Teaching Credential-Single Subject”) are available through the School of Education.
Department of Music

MUET 212, 212L  Recording Technology II, with laboratory
MUET 220  Recording Practicum
MUET 285  Electronic Music Systems II
MUET 485  Audio Processing
MUET 495  Computer Music Systems
MUET 498  Senior Music Tech Project

Plus, choice of:
MUET 385  Multimedia
-OR-
ARTS 394C  Flash Interface Design

Plus:
MUHL 336  History of Western Music (1600-1800)
MUHL 337  History of Western Music Since 1800
MUHL 338  History of Non-Western Cultures
MUHL 339  Contemporary Popular Styles
MUHL 385  Music of the 20th Century
MUPF 289/389  Concert Attendance
MURE 489  Music and Worship
PHYS 117  Introduction to Physics
PHYS 307  Musical Acoustics
PHYS 486G  Topics: Electronics

Note: *Music majors must be enrolled in a major ensemble each quarter in attendance.

MINORS

MUSIC

Required: 30 units (8 upper division), including:

- 4 units minimum of specified ensembles
- 4 units of electives in music
- The following courses:

MUET 112, 112L  Music Theory IA, with laboratory
MUET 113, 113L  Music Theory IB, with laboratory
MUET 205  Music Appreciation

Plus, choice of 2 of the following:
MUHL 335  History of Western Music Before 1600
MUHL 336  History of Western Music (1600-1800)
MUHL 337  History of Western Music Since 1800

MUSIC TECHNOLOGY

Required: 38 units (10 upper division), including

Basic keyboard proficiency required

MUET 111, 111L  Music Theory IA, with laboratory
MUET 113, 113L  Music Theory IB, with laboratory
MUET 415A  Scoring for Instruments and Voices I
MUET 415B  Scoring for Instruments and Voices II
MUET 101  Fundamentals of Audio and Music Technology
MUET 105  Introduction to Music Technology
MUET 185  Electronic Music Systems
MUET 211, 211L  Recording Technology I, with laboratory
MUET 212, 212L  Recording Technology II, with laboratory
MUET 285  Electronic Music Systems II
MUHL 338  Music of Non-Western Cultures
MUHL 385  Music of the 20th Century

Plus, choice of two units from the following:
ARTS 115  Design Principles
CPTG 121  Introduction to Computer Science
MUCT 411A  Composition I
MUCT 411B  Composition II
MUET 220  Recording Practicum
MUET 320  Recording Practicum II
MUET 321  Recording Practicum III
MUET 322  Recording Practicum IV
MUET 485  Audio Processing
MUCT 495  Computer Music Synthesis
PHYS 117  Introduction to Physics
PHYS 307  Musical Acoustics
PHYS 486G  Topics: Electronics

Certificate

The Performer’s Certificate program is a full-time course of study designed for promising performers who desire intensive training on their instrument or voice in order to enhance their employment opportunities. Students are required to enroll for a minimum of three quarters to complete the Certificate program. One to two years is typically required for completion of the program. Extension of the program beyond two years requires departmental approval. Although a baccalaureate degree is not required for admission, applicants must meet the performance level which is required for graduation from the undergraduate performance program. No academic credit is normally given for courses taken under this program. If academic credit is desired—not applicable towards graduation with a baccalaureate degree—the regular tuition costs will apply. Students are required to register for a minimum of 12 units for each quarter enrolled in the program in the following areas:
Piano:  2 units of chamber music  
2 units of accompanying  
8 units of private instruction  

Strings:  2 units of chamber music  
2 units of La Sierra University Orchestra  
8 units of private instruction  

Instrumental: 2 units of chamber music  
2 units of La Sierra University Wind Ensemble  
-OR-  
         La Sierra University Orchestra  
8 units of private instruction  

Voice:  2 units of vocal chamber music  
2 units of opera  
8 units of private instruction  

Students must perform at least one recital.

COURSES

A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.

Music Composition and Theory

LOWER DIVISION

MUCT 105 Introduction to Music Theory (3): Music fundamentals: meter, intervals, scales, triads. Required of students who have not passed the theory placement examination. Does not apply toward a major or minor in music.

MUCT 105L Introduction to Music Theory Lab (0): Music dictation, sight singing, and ear training. Required of students who have not passed the theory placement examination. Does not apply toward a major or minor in music. Must be taken concurrently with MUCT 105.

MUCT 112 Music Theory I A (3): Study of diatonic harmony in music of the period of common practice: triads in root position, first and second inversions, and principles of voice leading. Includes experience in working with computer music programs. Prerequisite: MUCT 105 or a passing grade in the theory placement exam

MUCT 112L Music Theory I A Laboratory (2): Identification of chromatic intervals and root position triads. Dictation of simple diatonic melodies and introduction to harmonic dictation. Emphasis on solfege sight singing, rhythmic accuracy, intonation, and listening. Prerequisite: MUCT 105L or a passing grade in the ear training portion of the theory placement exam

MUCT 113 Music Theory I B (3): Continued study of diatonic harmony in music of the period of common practice: seventh chords, cadences, and non-chord tones; provides an introduction to secondary dominants and modulation. Prerequisite: MUCT 112

MUCT 113L Music Theory I B Laboratory (2): Further identification of chromatic intervals, minor scales and common seventh chords. More complex melodic dictation in major and minor modes in all standard clefs. Three and four part harmonic dictation with diatonic and simple chromatic chords. Introduction to chromatic solfege and extended rhythmic structures. Prerequisite: MUCT 112L

MUCT 211 Music Theory II A (3): Study of chromatic harmony in tonal music: secondary dominants, borrowed chords, the Neapolitan chord, and modulation. Includes score analysis. Prerequisite: MUCT 113

MUCT 211L Music Theory II A Laboratory (2): Identification of larger intervals and inverted chords of all types. Melodic dictation with some chromatic notes. Further chromaticism in harmonic dictation. Sight singing in all modes. Introduction to asymmetric meter and irregular division of the beat. Introduction to transcription. Prerequisite: MUCT 113L

MUCT 212 Music Theory II B (3): Continued study of chromatic harmony in tonal music: augmented sixth chords, uses of the diminished seventh, enharmonic modulations, and more advanced harmonic procedures. Includes score analysis. Prerequisite: MUCT 211

MUCT 212L Music Theory II B Laboratory (1): Continued identification of intervals, scales, and chords. Increased chromaticism and mode mixture in both melodic dictation, harmonic dictation, and sight singing. Further study of complex rhythmic structures. Student project in transcription. Prerequisite: MUCT 211L

MUCT 213 Music Theory II C (3): Introduction to melodic, rhythmic, and harmonic practices of 20th-century music. Includes analysis of twelve-tone composition and a basic understanding of set theory. Prerequisite: MUCT 212

MUCT 213L Music Theory II C Laboratory (1): Synthesis of musical fundamentals in: class score reading, listening, large scale transcription projects, and self-guided student study. Prerequisite: MUCT 212L
UPPER DIVISION

**MUCT 314A Sixteenth-Century Counterpoint (2):** The study of modal counterpoint (1500-1650) through analysis and composition. **Prerequisite:** MUCT 213 or instructor’s permission

**MUCT 314B Eighteenth-Century Counterpoint (2):** The study of tonal counterpoint (1650-1750) through analysis and composition. **Prerequisite:** MUCT 213 or instructor’s permission

**MUCT 315 Music Form and Analysis (4):** Introduction to formal analysis. Principles of musical structure through the study of representative works from the period of common practice. The binary and ternary forms, variation, rondo, sonata, and contrapuntal forms. **Prerequisite:** MUCT 213

**MUCT 411A Composition I (2):** Composition and public performance of works including large or chamber ensembles. **Prerequisite:** MUCT 213, 314B, 415B, or instructor’s permission

**MUCT 411B Composition II (2):** Continued composition and public performance of works including large or chamber ensembles. **Prerequisite:** MUCT 411A

**MUCT 415A Scoring for Instruments and Voices I (2):** Techniques of arranging and scoring for various types of choral and instrumental groups. **Prerequisite:** MUCT 213 or instructor’s permission

**MUCT 415B Scoring for Instruments and Voices II (2):** Continued techniques of arranging and scoring for various types of choral and instrumental groups. **Prerequisite:** MUCT 415A or instructor’s permission

**MUCT 499 Directed Study (1-4):** Faculty directed study on various topics in the area of music theory. Open to music majors only.

*800 level courses give no credit toward any degree or diploma; they are noncredit certificate program courses only.*

**MUCT 899A Theory I for Certificate Program (3-5):** Theory I A, B, and C available for non-degree certificate students. Refer to listing under Theory I A, B, and C. May be repeated to a total of 15 units.

**MUCT 899B Theory II for Certificate Program (3-5):** Theory II A, B, and C available for non-degree certificate students. Refer to listing under Theory II A, B, and C. May be repeated to a total of 15 units.

Music Education

LOWER DIVISION

**MUED 220A Singer’s Diction I (2):** German and English diction appropriate for soloist and ensemble. Offered odd years.

**MUED 220B Singer’s Diction II (2):** Latin, Italian, and French diction appropriate for soloist and ensemble. Offered odd years.

**MUED 244 String Methods and Techniques (2):** Basic techniques of the orchestral stringed instruments. Development of string and orchestral programs in schools. Offered even years.

**MUED 254A Flute Methods and Techniques (1):** Elementary instruction in pedagogy and performance in flute. Instrument rental fee. Offered even years.

**MUED 254B Single Reed Methods and Techniques (1):** Elementary instruction in pedagogy and performance in clarinet and/or saxophone. Instrument rental fee. Offered even years.

**MUED 254C Double Reed Methods and Techniques (1):** Elementary instruction in pedagogy and performance in oboe and/or bassoon. Instrument rental fee. Offered even years.

**MUED 264A Trumpet Methods and Techniques (1):** Elementary instruction in pedagogy and performance in trumpet. Instrument rental fee. Offered odd years.

**MUED 264B Trombone Methods and Techniques (1):** Elementary instruction in pedagogy and performance in trombone. Instrument rental fee. Offered odd years.

**MUED 264C Horn/Tuba Methods and Techniques (1):** Elementary instruction in pedagogy and performance in horn and/or tuba. Instrument rental fee. Offered odd years.

**MUED 274 Percussion Methods and Techniques (1):** Elementary instruction in pedagogy and performance in percussion. Instrument use fee. Offered odd years.

**MUED 294 Vocal Methods and Techniques (2):** Basic techniques of proper vocal production and teaching methods for voice. Not required for vocal majors. Offered even years.

UPPER DIVISION

**MUED 305 Choral Methods, 7-12 (3):** Organization and implementation of choral ensembles. Topics to include maintaining vocal health, tone and diction; changing voice; rehearsal techniques; and planning and managing programs, concerts, and tours. Classroom observation required. Offered odd years.

**MUED 315 Music in the Classroom (4):** Basic methods and techniques of music teaching in the elementary school. Special emphasis in Orff techniques. Classroom observation required. Does not apply toward a major in music.

**MUED 325A Piano Pedagogy (2):** The study of published keyboard methods and pedagogical principles and techniques of keyboard instruction. Offered odd years.
MUED 325B Piano Literature (2): The study of published keyboard literature and interpretation skills. Offered even years.

MUED 326 String Pedagogy and Literature (4): Introduction to educational and developmental psychology as applied to private instruction. In-depth analysis of string technique and methods of teaching. Educational and performance literature for primary string instrument. Offered odd years.

MUED 327 Vocal Pedagogy (2): A study of the pedagogical techniques used in the private vocal studio with an emphasis on voice science, the psychology of singing, and various vocal repertoires encountered in the studio environment. Offered even years.

MUED 405 Instrumental Methods, 5-12 (3): Role of the instrumental teacher in grades 5-12; organization and implementation of instrumental ensembles in the elementary, middle, and high schools with appropriate methods and literature. Classroom observation required. Offered even years.

MUED 499 Directed Study (1-4): Faculty-directed study on various topics in the area of music education. Open to music majors only.

Music History and Literature

LOWER DIVISION

MUHL 205 Music Appreciation (4): The study of the basic elements and forms of music and performing media in historical perspective. The class will integrate lectures with listening to music and concert attendance. Does not apply toward a major in music.

UPPER DIVISION

MUHL 328 Wind and Percussion Literature (2): The various periods of literature for the specific wind and percussion instruments: styles, interpretations, and developments of the instrument. Offered even years.

MUHL 329 Song (Vocal) Literature (2): A survey of art song literature including the German Lied; French mélodie; and Italian, Spanish, English, and American art song, with an emphasis on class performance presentation. Offered even years. Prerequisite: 6 units (minimum) MUPF 129A with a minimum grade of B

MUHL 330 Song (Vocal) Literature Seminar

MUHL 330A Seminar: American Art Song (2): Performance-oriented class focusing on the historical, musical, literary, and social elements that make the genre unique in song literature. Prerequisite: MUHL 329

MUHL 330B Seminar: German Lied (2): Performance-oriented class focusing on the historical, musical, literary, and social elements that make the genre unique in song literature. Prerequisite: MUHL 329

MUHL 330C Seminar: French Mélodie (2): Performance-oriented class focusing on the historical, musical, literary, and social elements that make the genre unique in song literature. Prerequisite: MUHL 329

MUHL 330D Seminar: British Art Song (2): Performance-oriented class focusing on the historical, musical, literary, and social elements that make the genre unique in song literature. Prerequisite: MUHL 329

MUHL 330E Seminar: Various Themes (2): Performance-oriented class focusing on the historical, musical, literary, and social elements that make the genre unique in song literature. Possible topics include, but are not limited to, sacred art song, Spanish art song, Eastern European art song, and the songs of musical theater. Prerequisite: MUHL 329

MUHL 335 History of Western Music Before 1600 (4): The development of music in Europe from the Greeks to the end of the Renaissance. Medieval monophonic music, polyphony, instrumental music, the theories of music, and music and society. Attention given to political and cultural events influencing musical developments. Prerequisite: MUCT 213

MUHL 336 History of Western Music (1600-1800) (4): The development of music from the end of Renaissance through the Classical era. Baroque and Classical musical styles, dramatic vocal music, instrumental music, patronage, public concerts, and the theory of music. Prerequisite: MUCT 213

MUHL 337 History of Western Music Since 1800 (4): The development of music in Europe and the USA from the beginning of Romanticism to the present. Romantic and 20th-century styles, nationalism, new systems of tonal organization, impressionism, twelve-tone music, neoclassicism, aleatory music, and current trends. Prerequisite: MUCT 213

MUHL 338 Music of Non-Western Cultures (2): Introduction to music of non-Western cultures. Folk and native music of Middle East, Asian, African, North and South American, and Pacific Rim countries. Open to nonmusic majors.


MUHL 385 Music of the 20th Century (4): The development of music in the 20th century. Special focus will be given to music since 1940. Serialism, atonality, chance, minimalism, and avant-garde.
MUHL 485 Music of the Christian Church (4): Vocal and instrumental music of the Christian Church, including our rich heritage of hymn singing from early Christian times to the present.

MUHL 499 Directed Study (1-4): Faculty-directed study on various topics in the area of music history. Open to music majors only.

**Music Performance**

**LOWER DIVISION**

MUPF 105 Piano Proficiency (1): Course content is designed for music majors preparing for the piano proficiency examination. Limited to music majors only. Does not apply towards the music major. Does not apply toward a major in music.

MUPF 216 Basic Conducting Skills (2): The theory and application of basic conducting techniques. Does not apply toward a major in music. **Prerequisites: MUCT 113 & 113L**

The following six courses are designed for nonmusic majors only. They do not apply toward a major or minor in music.

MUPF 105A Group Piano Class I (1): Beginning piano through level three. May be repeated for additional units as necessary.

MUPF 105B Group Piano Class II (1): Continuing piano level 3-5. May be repeated for additional units as necessary. **Prerequisite: MUPF 105A**

MUPF 105C Group Piano Class III (1): Continuing piano instruction building on the basic principles. May be repeated for additional units as necessary. **Prerequisite: MUPF 105B**

MUPF 106A Beginning Voice Class I (1): Introduction to basic vocal techniques and their application and development through vocal exercises and group and solo singing of appropriate vocal literature. Does not apply to the music major. May be repeated for additional units as necessary.

MUPF 106B Beginning Voice Class II (1): A continuation of MUPF 106A to further practice and refine vocal technique through exercises and more advanced solo vocal literature. Does not apply to the music major. May be repeated for additional units as necessary. **Prerequisite: MUPF 106A**

MUPF 106C Beginning Voice Class III (1): A continuation of MUPF 106B. Primary goal will be to continue to refine vocal technique and explore moderately advanced literature. Does not apply to the music major. May be repeated for additional units as necessary. **Prerequisite: MUPF 106B**

**UPPER DIVISION**

MUPF 314 Introduction to Conducting (2): The theory and application of basic conducting techniques. **Prerequisite: MUCT 213**

MUPF 315 Intermediate Conducting (2): The application of theory and techniques unique to the conducting of both choral and instrumental ensembles. **Prerequisite: MUPF 314**

MUPF 316 Choral Conducting (2): Conducting and rehearsal techniques, diction, tone, selection of repertoire, stylistic interpretation, score preparation, and management and organization of a choral department. Offered even years (2011-2012). **Prerequisite: MUPF 315**

MUPF 317 Instrumental Conducting (2): Score analysis, score preparation, and programming. Study of significant wind band and orchestra literature. Offered odd years (2011-2012). **Prerequisite: MUPF 315**

MUPF 369 Seminar in Applied Music (1-4): Faculty-directed topics in the area of performance practice. May be repeated for additional credit with different content.

MUPF 389 Concert Attendance (0): An upper division credit class that centers around attendance at various performances and concerts. Attendance provides the opportunity for a variety of professional listening experiences suited to a student’s needs and goals. Music majors must be enrolled each quarter in attendance.

MUPF 398 Recital in Music (1): Minimum of 30 minutes of repertoire as approved by instructor. Recital may be shared by another student. Specific procedures and requirements available in the Department of Music Student Handbook.

MUPF 417 Advanced Conducting (2): Advanced score analysis and conducting techniques, significant wind band and orchestral literature. Prerequisites: MUPF 316 & 317

MUPF 496 Workshop in Music (1-4): Faculty-directed workshop in the areas of performance, staging, sound, lighting, direction, and/or production of events.

MUPF 498 Recital in Music (1): Recital will consist of a minimum of 60 minutes of repertoire as approved by instructor. Specific procedures and requirements are available in the Department of Music Student Handbook.

MUPF 499 Directed Study (1-4): Faculty-directed study on various topics in the area of music performance. Open to music majors only.

800 level courses give no credit toward any degree or diploma; they are noncredit certificate program courses only.

MUPF 854 Recital in Music for Certificate Program (2): Recital in music for Certificate program. May be repeated to a total of 6 units.
Applied Music Studies

Individual Instruction (1 or more)

Courses may be repeated for additional credit. Attendance may be required at occasional class sessions. Credit at the 100 level does not apply toward a major in the primary performance area. Additional private instruction fee required of non-music majors. (See the Financial Information section of this Bulletin.)

Enrollment for upper division credit allowed only upon successful completion of upper division audition. 800 level courses give no credit toward any degree or diploma; they are noncredit certificate program courses only.

The following individual instruction courses are open to majors or minors in music only. (Non music students refer to the section following this list for non-music majors).

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*The following individual instruction courses are designed for non music majors. (Music majors see the preceding section for music majors).
Ensemble Music

Membership in University music groups is open to qualified students with the consent of the instructor. Music majors must be enrolled in a major ensemble each quarter in attendance with the exception of Music Education majors doing student teaching. Courses may be repeated for additional credit. Some University-owned instruments are available for band and orchestra. Purchase of concert attire is required for some ensembles.

Harp
MUPF 125F1-9 225F1-9

Woodwind Instruments
Flute
MUPF 126A1-9 226A1-9
Oboe
MUPF 126B1-9 226B1-9
Clarinet
MUPF 126C1-9 226C1-9
Bassoon
MUPF 126D1-9 226D1-9
Saxophone
MUPF 126E1-9 226E1-9

Brass Instruments
Horn
Trumpet
MUPF 127B1-9 227B1-9
Trombone
MUPF 127C1-9 227C1-9
Euphonium
MUPF 127D1-9 227D1-9
Tuba
MUPF 127E1-9 227E1-9

Additional Options
Percussion
MUPF 128A1-9 228A1-9
Jazz Improvisation
MUPF 128B1-9
Voice
MUPF 129A1-9 229A1-9
Conducting
MUPF 129B1-9 229B1-9

The following ensemble music courses are designed for music majors only. (Non music students refer to the section following this list for non-music majors).

MUPF 271A, 371A Opera Workshop (1-2, 1-2): Preparation of recitatives, arias, duets, ensembles, and scenes from the operatic literature, including choruses, for performance during the quarter. Works will be staged with costumes or performed concert style. Attention will be given to appropriate style and performance practice.

MUPF 277A, 377A University Chorale (1, 1): A choral ensemble for the general student who enjoys singing but has limited time for rehearsals and performances. Limited performances.

MUPF 277B, 377B Chamber Singers (1, 1): A select choral ensemble for the serious choral student. Selected by audition only. Members are required to be enrolled in private lessons and University Chorale. Prerequisite: Audition

MUPF 277C, 377C Men’s Chorus (1, 1): A men’s ensemble for the general student who likes to sing or the music student who wishes to sing the repertoire of music for men’s voices. Limited performances. Prerequisite: Audition

MUPF 277E, 377E Women’s Chorus (1,1): A women’s ensemble for the general student who likes to sing or the music student who wishes to sing the repertoire of music for women’s voices. Limited performances. Prerequisite: Audition

MUPF 279A, 379A La Sierra University Orchestra (1,1): Open to all qualified students by audition, the La Sierra Symphony Orchestra performs significant orchestral literature. Repertoire includes music for chamber orchestra and full orchestra. Prerequisite: Audition

MUPF 284A, 384A Chamber Music (1,1): Study and performance of selected chamber works for keyboard, strings, woodwinds, vocal, brass, & percussion. Prerequisite: Consent of instructor or department chair

MUPF285A, 385A Piano Ensemble (1,1): Open to all qualified students who enjoy performing literature specifically written for piano ensemble. Prerequisite: Consent of department chair

MUPF 285B, 385B Jazz Combo (1,1): Open to all players with an interest in jazz improvisation, including the development of the playing of small-group jazz. Jazz theory, styles, compositions, and practice techniques are explored. Prerequisite: Consent of instructor

MUPF 285D, 385D Big Band (1,1): Large Big Band jazz ensemble format. Rehearses and performs historical and contemporary styles. Prerequisite: Consent of instructor

MUPF 286A, 386A Wind Ensemble (1,1): Open to all qualified students by audition, the Wind Ensemble performs music from all periods and styles, with an emphasis on significant wind music for small and large wind band. Prerequisite: Audition
800 level courses give no credit toward any degree or diploma; they are noncredit certificate program courses only.

MUPF 834 Large Ensemble for Certificate Program (2):
Study and performance of significant literature in a large ensemble setting. Must be enrolled each quarter in residence. May be repeated to a total of 12 units.

MUPF 844 Small Ensemble for Certificate Program (2):
Study and performance of selected chamber works. Must be enrolled each quarter in residence. May be repeated to a total of 12 units.

The following ensemble music courses are designed for non music majors only. (For course description, see the corresponding course previously listed; music majors, see previously listed courses).

MUPF 271A1-9, 371A1-9 Opera Workshop (1-2, 1-2)
MUPF 277A1-9, 377A1-9 University Chorale (1, 1)
MUPF 277B1-9, 377B1-9 Chamber Singers (1, 1)
MUPF 277C1-9, 377C1-9 Men's Chorus (1, 1)
MUPF 277E1-9, 377E1-9 Women's Chorus (1, 1)
MUPF 279A1-9, 379A1-9 La Sierra University Orchestra (1, 1)
MUPF 284A1-9, 384A1-9 Chamber Music (1,1)
MUPF 285A1-9, 385A1-9 Piano Ensemble (1,1)
MUPF 285B1-9, 385B1-9 Jazz Combo (1,1)
MUPF 285D1-9, 385D1-9 Big Band (1,1)
MUPF 286A1-9, 386A1-9 Wind Ensemble (1,1)

Music Technology

LOWER DIVISION

MUET 101 Fundamentals of Audio and Music Technology (2): This course establishes the foundations for the study of music technology, addressing essential audio theory, sound, hearing, acoustics, and electronics and their practical applications in the recording studio.

MUET 105 Introduction to Music Technology (2): An introductory course for all music majors covering computer software applications in music notation, digital audio recording, and sequencing. The course places special emphasis on how the various software applications are used in the transcription, arrangement, and composition of music. Other music and computer related topics may be covered. Basic music reading and keyboarding skills required.

MUET 185 Electronic Music Systems I (3): An introduction to MIDI (Musical Instrument Digital Interface) with an emphasis on current applications, including MIDI sequencing, recording, production, and arranging techniques. Use of the equipment and software is demonstrated through various creative projects. One lecture and one weekly lab or equivalent per week. Prerequisite: MUET 105

MUET 211 Recording Technology I (2): Introduction to the physical aspects of sound; sound level measurement, microphone techniques, psychoacoustics, and principles; and an overview of the recording studio. Digital recording technology is introduced. Students will have opportunity to apply the lecture material in a practical manner by recording ensembles and recitals.

MUET 211L Recording Technology I Lab (1): Application of the concepts learned and acquired from MUET 211, including multi-track recording, ear training for engineering. In addition, students are required to work in teams to complete recording assignments throughout the quarter. Concurrent enrolled in MUET 211 is required.

MUET 212 Recording Technology II (2): A practical study of applications in digital recording technology. Topics of study include microphone techniques, recording console operation, signal processing and digital effects equipment, hard-disc recording and reproduction, and advanced mixing and mastering techniques. Students will have the opportunity to apply the lecture material in a practical manner by recording ensembles and recitals. Also, special projects will be recorded. Prerequisite: MUET 211

MUET 212L Recording Technology II Lab (1): Application of concepts learned and acquired from MUET 212, including ear training for engineering, studio recording techniques. Students will use software such as Pro Tools LE, WaveLab, PEAK, and Deck II in weekly assignments. Concurrent enrolled in MUET 212 is required.

MUET 220 Recording Practicum (2): A practicum in live concert and studio recording that demonstrates all the topics covered in MUET 211 and 212. Ear training for engineers is continued. Students may be required to work in teams. Prerequisite: MUET 212

MUET 285 Electronic Music Systems II (3): Conceptual and practical applications with advanced MIDI systems including various analog and digital synthesizers, samplers, computers, and MIDI programs. Use of the equipment and software is demonstrated through various creative projects. One lecture and one weekly lab or equivalent. Prerequisite: MUET 185
UPPER DIVISION

MUET 311 Live Sound Reinforcement (4): The study and practice of live sound reinforcement. Topics include mixing console theory and operation, room EQ, speakers and their placement, amplification systems, monitoring systems, and electrical requirements.

MUET 320 Recording Practicum II (2): Principles covered in MUET 211 and 212 are put into practice. Students continue to perform various duties of a professional recording engineer. Prerequisite: MUET 220

MUET 321 Recording Practicum III (2): Continuation of MUET 320 with additional recording projects and advanced recording techniques. Prerequisite: MUET 320

MUET 322 Recording Practicum IV (2): A continuation of MUET 321. Advanced study of recording techniques and plug-ins. Prerequisite: MUET 321

MUET 385 Multimedia (4): A study of the basic concepts and practices of interactive media. The course will survey strategies, design principles, techniques, and software commonly used in multimedia. Works will be analyzed for their effectiveness, design, and for their creative application of multimedia techniques and concepts.

MUET 411 Internship in Music Technology (1-6): Assignment to studios and/or corporations for on-the-job training. Restriction: Only for students with junior or senior standing

MUET 485 Audio Processing (4): Theory and application of spectrum analyzers, audio filters, and multipurpose effects devices and software; topics may include an introduction to Fourier sound synthesis and analysis, noise suppression, stereo image enhancement, room auralization, and surround sound creation. Prerequisite: PHYS 307. Restriction: Only for Music Technology majors with senior standing

MUET 495 Computer Music Synthesis (4): An exploration of the history and potential of computer music. Concepts are presented through the use of software such as Csound and Max. Design and implementation of MIDI systems and applications will be the focus.

MUET 498 Senior Music Tech Project (6): The senior project represents the culmination of the study of music technology at La Sierra University. As such, it should illustrate mastery of concepts studied with an emphasis made on special areas of interest. The project will include a finished product (CD, CD-ROM, DVD-R) accompanied by a reflection paper (15-20 pages) which deals with the creative process(es) and equipment/software used in the completion of the project.

MUET 499 Directed Study (1-4): Faculty directed study on various topics in the area of music performance. Open to music majors only.

MUET 595A Technology 1A: Notation, Sequencing, and Electronic Instruments (2-3): Notating and printing music using the computer, recording music (sequencing), and using electronic instruments. This course meets one half of the requirements for level one certification by the Technology Institute for Music Educators (TI:ME). The Technology 1B course below completes the level one certification.

MUET 595B Technology 1B: Internet, Computer-Assisted Instruction, Multimedia (2-3): Use of the Internet, computer-assisted instruction (CAI), and multimedia in the music classroom. This course meets one half of the requirements for level one certification by the Technology Institute for Music Educators (TI:ME). The Technology 1A course above completes the level one certification.

Religious Music

UPPER DIVISION

MURE 489 Music and Worship (4): Nature of worship; music as an aid to worship; the role of the choir, organist, director; congregational participation; music for youth and children; and the relation between church musicians and ministerial staff. Open to nonmusic majors.

MURE 499 Directed Study (1-4): Faculty directed study on various topics in the area of religious music. Open to music majors only.
Program in Neuroscience

Department Faculty

Sean E. Evans
Assistant Professor of Psychology (2010)
PhD Loma Linda University 2005
Clinical Psychology, Forensic Psychology

Eugene E. Joseph
Associate Professor of Biology (1989)
PhD Morehouse School of Medicine 2004
Anatomical and Biomedical Sciences

In-Kyeong Kim
Professor of Psychology (1995)
PhD Cornell University 1990
Cognitive Psychology, Perceptual and Cognitive Development

Paul M. Mallery
Professor of Psychology (1993)
PhD University of California, Los Angeles 1994
Social and Political Psychology, Intergroup relations

Suzanne Mallery
Associate Professor of Psychology (2001)
PhD Fuller Theological Seminary 1998
Clinical Psychology, Pediatric Psychology

Leslie R. Martin
Professor of Psychology (1996)
PhD University of California, Riverside 1996
Personality and Social Psychology, Health Psychology

Adeny Schmidt
Professor of Psychology (1974)
PhD University of California, Los Angeles (1986)
Developmental Psychology, Research Methodology

Degrees Offered

- Bachelor of Science degree in Neuroscience
- Minor in Neuroscience

Mission Statement

Housed within the Department of Psychology but with a distinctly interdisciplinary flavor, the B.S. degree in neuroscience is offered jointly by the Psychology and Biology faculty. The core curriculum integrates the fundamental elements of neuroanatomy, physiology, neural communication, sensation, and perception, and grounds them solidly in rigorous scientific methods. The degree requirements therefore outline a challenging academic sequence but maintain enough flexibility that students can personalize their courses of study. Students select advanced coursework from classes including: perceptual and cognitive development; clinical neuropsychology, neuropharmacology, neurodegenerative disorders, and forensic neuroscience. Graduates with this degree will be trained to think like neuroscientists, demonstrating the empirical habits, mastery of knowledge, and practical research skills that will make them competitive applicants for top graduate programs in neuroscience and applied fields such as medicine, pharmacy, and neuropsychology.

Consistent with the philosophy of the departments of Psychology and Biology, we aim to provide students with a holistic educational experience that provides multi-modal learning opportunities and encourages personal responsibility and integrity. Throughout the curriculum critical evaluation skills are fostered and students are encouraged to think creatively and to value other viewpoints even when these alternate possibilities increase the complexity or ambiguity of the problem or situation. A scholarly community in which students are mentored, guided, and challenged is one of the most important ways in which we encourage these vital qualities. It is here, in our daily interactions, that we come together to continually refine both our scientific and our spiritual development.

Neuroscience Student Learning Outcomes

1. Demonstrate knowledge and understanding representing appropriate breadth and depth in selected content areas of neuroscience.
2. Design and conduct basic studies to address empirical questions, using appropriate research methods.
3. Use critical thinking effectively.
4. Seek and evaluate scientific evidence for claims.
5. Tolerate ambiguity and realize that scientific explanations are often complex and tentative.
6. Demonstrate information competence in relevant areas.
7. Use information and technology ethically and responsibly.
8. Demonstrate effective writing skills in various formats (e.g., essays, correspondence, technical papers, note taking) and for various purposes (e.g., informing, defending, persuading, arguing, teaching).
9. Consider current trends and controversies in neuroscience and reflect on them in light of personal beliefs and Seventh-day Adventist values.
Program in Neuroscience

Major

Bachelor of Science

NEUROSCIENCE

Required: 71 units as follows:

- NEUR 261, 261L: Introduction to Neuroscience, with laboratory
- BIOL 111, 111L: General Biology I, with laboratory
- BIOL 112, 112L: General Biology II, with laboratory
- BIOL 221: Tools and Methods I
- BIOL 301, 301L: Cell and Molecular Biology, with laboratory
- PSYC 104, 104L: General Psychology, with laboratory
- PSYC 219*: Psychology Colloquium
- PSYC 319: Career Colloquium
- PSYC 321, 321L: Methods and Statistics I: Description and Correlation, with laboratory
- PSYC 322, 322L: Methods and Statistics II: Experiment and Inference, with laboratory
- PSYC 323, 323L: Methods and Statistics III: Conducting Research, with laboratory

Note: 0.5 units must be taken for each year of residence for a maximum of 2 units

Remaining units to include:

12 units from additional NEUR courses

Plus, 8 units from:

- PSYC 374, 374L: Cognition and Memory, with laboratory
- PSYC 435, 435L: Learning and Behavior, with laboratory
- PSYC 456, 456L: Sensation and Perception, with laboratory

Plus, 8 units from:

- BIOL 302, 302L: Genetics, with laboratory
- BIOL 303, 303L: Developmental Biology, with laboratory
- BIOL 436: Immunology
- BIOL 466: Systems Physiology
- BIOL 469: Animal Behavior
- CHEM 470: Introduction to Medicinal Chemistry
- PSYC 275: Abnormal Psychology
- PSYC 314: Psychology of Gender

Minor

NEUROSCIENCE

Required: 28 units (12 upper division) including:

- The following courses
- Remaining units to be selected from Neuroscience major-approved courses with a minimum of 8 units in NEUR.

- PSYC 104, 104L: General Psychology, with laboratory
- BIOL 111, 111L: General Biology I, with laboratory
- NEUR 261, 261L: Introduction to Neuroscience, with laboratory

Note: A minor must have a minimum of 12 units that are not used to fulfill the requirements for the major.
Courses

A student must receive a grade of ‘C’ or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.

LOWER DIVISION

NEUR 261 Introduction to Neuroscience (4): An introduction to the study of the biological substrates of behavior. Concentration is on the structure and function of the nervous system constituents and sensory and motor systems as they are involved in molar behaviors. Prerequisites: BIOL 111, 111L, PSYC 104 & NEUR 261L (can be concurrently enrolled)

NEUR 261L Introduction to Neuroscience Laboratory (1): Investigation of the structural and functional organization of the brain and nervous system, including sensory and motor processing. Prerequisites: NEUR 261 (can be concurrently enrolled)

UPPER DIVISION

NEUR 346 Introduction to Cognitive Neuroscience (4): Introduction to the major components of how the human brain makes the human mind. This course explores neural coding and behavioral dimensions of perception, attention, memory, language, learning, and intelligence. Plasticity and developmental changes of brain that affect human cognition are also covered. Offered alternate years. Prerequisites: NEUR 261, 261L

NEUR 354 Neuroplasticity (4): Review of mechanisms that underlie the lifelong ability of the brain to reorganize, develop, and adapt to injury, change, and experience. Includes study of environmental influences on neurodevelopment, ethical implications of new technologies, and the contributions of neuroplasticity to symptoms of disease and disorder such as tinnitus and chronic pain. Offered alternate years. Prerequisites: NEUR 261, 261L

NEUR 365 Human Neuropsychology (4): Examines the experimental and clinical measurement and evaluation of human brain function. Focus on the neural basis of higher cognitive functions. Offered alternate years. Prerequisites: NEUR 261, 261L

NEUR 448 Neuroanatomy (5): Exploration of the neuroanatomy of the human nervous system. Course focuses on the structure, function, and relationships of the central and peripheral sub-categories of the nervous system; neurological development; and disorders and diseases of the nervous system. Concurrent enrollment in NEUR 448L required. Cross listed as BIOL 448. Prerequisites: BIOL 111, 111L, PSYC 104, NEUR 261, 261L, ; or BIOL 303 & 303L; or BIOL 466

NEUR 448L Neuroanatomy Lab (0): Direct examination of the human and mammalian brain through dissection, examination of prepared slides and prosections, and work with computer models. Concurrent enrollment in NEUR 448 is required. Cross-listed as BIOL 448L. Prerequisites: NEUR 261, 261L

NEUR 452 Neurological Disease and Disorder (4): Examines the neuroscience underlying diseases and disorders of the nervous system across the lifespan, including psychiatric disorders such as autism and schizophrenia, degenerative disorders including Parkinson’s disease and dementias of childhood and old age, and genetic disorders that damage the brain such as phenylketonuria. Prerequisites: NEUR 261, 261L

NEUR 466 Neuropharmacology (4): An advanced course examining how drugs interact with and modify the neural function underlying emotion and behavior. This course provides an introduction to basic principles of pharmacology and neurochemistry. Prerequisites: NEUR 261, 261L, CHEM 273, 273L

NEUR 484 Topics in Neuroscience (4): Topics of current interest in the field of neuroscience. Content varies as follows; different sections may be repeated for additional credit. Most classes are offered alternate years. See the class schedule each quarter for additional offerings.
Program in Philosophical Studies

Program Faculty

Fritz Guy, Coordinator
Research Professor of Philosophical Theology (1961, 1990)
DD hc La Sierra University 2002
PhD University of Chicago 1971
History of philosophy, philosophy of religion, ethics, philosophy of time

Gary Chartier
Associate Dean, School of Business
Associate Professor of Law and Business Ethics (2001)
JD University of California at Los Angeles 2001
PhD University of Cambridge 1991
Theology, philosophy, ethics, political theory, public policy, law and legal theory

Andrew C. Howe
Associate Professor of History (2005)
PhD University of California, Riverside 2005
History of ideas, post-modern thought

John R. Jones
Associate Professor of New Testament Studies and World Religions (1990)
PhD Vanderbilt University 1982
Asian philosophy, phenomenology of religion

John Ng Wong Hing
Assistant Professor of Mathematics (1996)
MA University of California, Los Angeles 1979
Logic, foundations of mathematics

John W. Webster
Dean, H.M.S. Richards Divinity School
Professor of Theology and History of Christianity (1999)
PhD Princeton Theological Seminary 1995
Moral philosophy, philosophy of religion

Collaborating Faculty

Trisha Famisaran
MA Claremont Graduate University (2010)
MATS Claremont Graduate University (2007)
Introduction to Philosophy

Degrees Offered

- An individual major, designed in consultation with the respective coordinators of the programs in individual majors and in philosophical studies, is available for students with a vocational interest in philosophical studies.
- Minor in Philosophy

A minor in philosophical studies is intended to provide a useful complement to a student’s major academic, professional, or pre-professional interests. It is intended also to be helpful background for graduate study not only in various areas of philosophy but also in related areas of the humanities, such as literary criticism or intellectual history, or in other areas such as law or religion.

Objectives

The Program in Philosophical Studies is designed to provide interested students a set of opportunities:

1. To encounter and explore some of the major philosophical ideas that have shaped human understanding, culture, and history.
2. To develop a high level of skill in critical and constructive thinking.

Individual Majors

Individual majors can readily integrate philosophical studies with one or more other academic disciplines such as religion, intellectual history, the natural sciences, and the human sciences. Several suggested curricula are listed below. These majors require a minimum of 60 quarter units, including 20 units of courses in philosophical studies. For additional information consult the coordinator of the Program in Philosophical Studies.

Degrees Offered

- An individual major, designed in consultation with the respective coordinators of the programs in individual majors and in philosophical studies, is available for students with a vocational interest in philosophical studies.
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**Individual Majors (Involving Philosophical Studies)**

Core Curriculum: (24 units) Required for all individual majors involving philosophical studies

**Required:**

<table>
<thead>
<tr>
<th>Choice of:</th>
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<tbody>
<tr>
<td>PHIL 105</td>
<td>The Western Intellectual Traditions: from the Greeks to the Post-Moderns</td>
</tr>
<tr>
<td>PHIL 204</td>
<td>Introduction to Philosophy</td>
</tr>
</tbody>
</table>

**Plus:**

| PHIL 208            | Logic: How to Think Accurately                                   |
| PHIL 317            | Foundation of Western Thought: from the Greeks to the Middle Ages |
| PHIL 318            | The Making of Modern Thought: from Rationalism to Pragmatism     |
| PHIL 319            | Contemporary Thought: from Logical Positivism to Postmodernism   |
| PHIL 327            | Asian Philosophical Traditions: India, China, & Japan             |

**GENERAL PHILOSOPHICAL STUDIES**

Required: 60 units (30 upper division), as follows:

- Core Curriculum
- The following courses

**12 units of Philosophy & Religion selected from:**

| PSYC 488C | Psychology of Religion |
| RELG 235  | Introduction to Religious Studies |

**Plus, choice of:**

| RELG 237  | World Religions |
| RELG 306  | Sacred Texts: The Literature of the World’s Religions |
| RELM 444  | Comparative Religions |

**Plus, 12 units of Philosophy & Natural Science selected from:**

| NSCI 404  | Humans and the Environment |
| NSCI 405  | Scientific Thinking and Religious Belief |
| NSCI 406  | Nature and Human Values    |
| NSCI 407  | Religion and Rationality  |

**Plus, 12 units of Philosophy & Human Science selected from:**

| RELE 447  | Religion and Society |
| RELT 464  | Religious Development and Moral Learning |
| SOCI 374  | Impacts of Globalization |
| SOCI 404  | Foundations of Social Thought |

**PHILOSOPHY & COGNITIVE SCIENCE**

Required: 60 units (30 upper division), as follows:

- Core Curriculum
- The following courses

**4 units of Philosophy of Science:**

| PSYC 478 | History and Systems of Psychology |

**Plus, 32 units of Cognitive Science selected from:**

| BIOL 439 | Neurobiology |
| BIOL 469 | Animal Behavior |
| PSYC 261 | Physiological Psychology |
| PSYC 374 | Cognition and Memory |
| PSYC 435 | Learning and Behavior |
| PSYC 452 | Behavioral Neurobiology |
| PSYC 456 | Sensation and Perception |
| PSYC 484C| Perceptual and Cognitive Development |

**PHILOSOPHY & CULTURAL STUDIES**

Required: 60 units (30 upper division), as follows:

- Core Curriculum
- The following courses

**12 units of Moral & Political Philosophy selected from:**

| PHIL 404 | Foundations of Social Thought |
| PHIL 405 | Moral Philosophy: Conduct and Character |
| PHIL 454 | Applied Ethics and Social Issues |
| PHIL 474 | Political Philosophy: Justice, Power, & Community |
| PHIL 485 | American Political Thought |

**Plus, 8 units of Philosophy & Literary Theory selected from:**

| PHIL 487A | Classical Rhetoric and Criticism |
| PHIL 487B | Contemporary Literary Criticism |

**Plus, 16 units of Cultural Studies selected from:**

| ANTH 275  | Understanding Cultural Exchange |
| ANTH 325  | Peoples of the World |
| COMM 344  | Gender and Communication |
| HIST 366  | Concepts in Gender Studies |
| HIST 430D | Gender and Work |
| HIST 430Q | Asian-American History |
| HIST 430R | Popular Culture in the United States |
| HPSC 106  | Race, Ethnicity, and Class in American History |
| SOCI 307  | Diversity in America |
| SOCI 314  | Sociology of Love and Marriage |
| SOCI 345  | Social Organization |
### PHILOSOPHY & INTELLECTUAL HISTORY

Required: 64 units (30 upper division), as follows:
- **Core Curriculum**
- **The following courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>RELH 445</td>
<td>History of Christianity I: Formation</td>
</tr>
<tr>
<td>RELH 446</td>
<td>History of Christianity II: Reformation</td>
</tr>
<tr>
<td>RELH 447</td>
<td>History of Christianity III: Transformation</td>
</tr>
<tr>
<td>HIST 430R</td>
<td>Popular Culture in the United States</td>
</tr>
<tr>
<td>PHIL 485</td>
<td>American Political Thought</td>
</tr>
<tr>
<td>PSYC 478</td>
<td>History and Systems of Psychology</td>
</tr>
</tbody>
</table>

**24 units of Intellectual History selected from:**
- RELH 445
- RELH 446
- RELH 447
- HIST 430R
- PHIL 485
- PSYC 478

**Plus, 16 units of Historical Inquiry:**
- HPSC 275 Critical Analysis
- HPSC 375 Research Methods
- HPSC 497 Senior Colloquium
- HPSC 498 Senior Thesis

### PHILOSOPHY, POLITICS, & ECONOMICS

Required: 60 units (30 upper division), as follows:
- **Core Curriculum**
- **The following courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
<tbody>
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<td>Political Philosophy: Justice, Power &amp; Community</td>
</tr>
<tr>
<td>PHIL 485</td>
<td>American Political Thought</td>
</tr>
</tbody>
</table>

**16 units of Moral & Political Philosophy selected from:**
- PHIL 404
- PHIL 405
- PHIL 454
- PHIL 474
- PHIL 485

**Plus, 12 units of Economics selected from:**
- ECON 254 Principles of Macroeconomics
- ECON 255 Principles of Microeconomics

**Plus, choice of:**
- ECON 357 International Economics
- ECON 366 Economic Growth and Development

**Plus, 8 units of American Law & Politics:**
- PLSC 225 Introduction to Law
- PLSC 316 Comparative Government

### PHILOSOPHY & RELIGION

Required: 60 units (30 upper division), as follows:
- **Core Curriculum**
- **The following courses:**

**12 units of Philosophy & Phenomenology of Religion selected from:**
- PHIL 436 Philosophy of Religion: God, Faith and Reason
- PSYC 488C Psychology of Religion
- RELG 235 Introduction to Religious Studies

**Plus, choice of:**
- RELG 237 World Religions
- RELG 306 Sacred Texts: The Literature of the World's Religions
- RELM 444 Comparative Religions

**Plus, 12 units of Philosophy & Human Science**
- ANTH 325 Peoples of the World
- RELT 447 History of Christianity III: Transformation
- RELT 464 Religious Development and Moral Learning

**Plus, 12 units of History of Christianity selected from:**
- RELH 445 History of Christianity I: Formation
- RELH 446 History of Christianity II: Reformation
- RELH 447 History of Christianity III: Transformation
- RELH 448 Theology in the 20th Century

### PHILOSOPHY & THEOLOGY

Required: 60 units (30 upper division), as follows:
- **Core Curriculum**
- **The following courses:**

**12 units of Moral & Political Philosophy selected from:**
- PHIL 404 Foundations of Social Thought
- PHIL 405 Moral Philosophy: Conduct and Character
- PHIL 454 Applied Ethics and Social Issues
- PHIL 474 Political Philosophy: Justice, Power & Community
- PHIL 485 American Political Thought

**Plus, 16 units of Theology:**
- PHIL 436 Philosophy of Religion
- RELT 434 Dimensions of Salvation
- RELT 435 Christian Understanding of God and Humankind
- RELT 453 Christian Theology

**Plus, 8 units of Ethics selected from:**
- RELT 447 Religion and Society
- RELT 448 Christian Professional and Business Ethics

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MINOR

PHILOSOPHY

Required: 32 units as follows:

- The following courses; plus
- 16 additional units selected (in consultation with the program coordinator) from the courses listed below and other related courses offered through various departments

COURSES

A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.

LOWER DIVISION

PHIL 105 The Western Intellectual Traditions: From the Greeks to the Postmoderns (4): An overview of Western worldviews, both popular and elite, from the ancient Greeks to the postmoderns. Includes a discussion of their social contexts and their interactions with the worldviews of other world civilizations. Cross-listed as HIST 105.

PHIL 204 Introduction to Philosophy (4): An introduction to the central questions and methods of philosophical inquiry, reviewing issues such as reality, knowledge, religion, morality, and human society.

PHIL 208 Logic: How to Think Accurately (4): Analysis of principles of deductive and inductive reasoning, using methods of classical and modern logic.

UPPER DIVISION

PHIL 317 Foundations of Western Thought: From the Greeks to the Middle Ages (4): From pre-Socratic philosophy through the late Middle Ages, with major emphasis on Plato, Aristotle, Augustine, and Thomas Aquinas. Prerequisite: Upper-division standing

PHIL 318 The Making of Modern Thought: From Rationalism to Pragmatism (4): From the 17th through the 19th centuries, with major emphasis on René Descartes, John Locke, David Hume, Immanuel Kant, and William James. Prerequisite: Upper-division standing

PHIL 319 Contemporary Thought: From Logical Positivism to Postmodernism (4): From process philosophy to postmodernism, with major emphasis on A.J. Ayer, Martin Heidegger, Ludwig Wittgenstein, Thomas Kuhn, and Richard Rorty. Prerequisite: Upper-division standing

PHIL 327 Asian Philosophical Traditions: India, China & Japan (4): An investigation of the major philosophical themes and movements among the civilizations of India, China, and Japan. Includes questions of knowledge, reality, the self, nature, society, and social ethics. Consideration is also given to issues of human rights, as well as to environmental and political philosophy, in connection with the so-called “Asian values” debate. Cross-listed as RELG 327.

PHIL 374 Cognition and Memory (4): An introduction to the psychological investigation of perceptual and cognitive processes, emphasizing pattern recognition, attention, memory, knowledge representation, problem solving, decision making, language, and intelligence. Offered alternate years. Cross-listed as PSYC 374.

PHIL 404 Foundations of Social Thought (4): Survey of social thought ranging from ancient worldviews to the modern social theories in anthropology and sociology. Cross-listed as SOCI 404.

PHIL 405 Moral Philosophy: Conduct and Character (3-4): A philosophical investigation of major moral theories associated with notions such as virtue, natural law, duty, and responsibility. Moral concepts (e.g. ‘the good’, ‘the right’, ‘the just’) will be studied, and their application to problems concerning the individual and society explored. Readings will include the works of moral philosophers, both ancient and modern. Cross-listed as RELE 405. Prerequisite: Consent of the instructor


PHIL 474 Political Philosophy: Justice, Power & Community (4): Main currents of political philosophy from Plato to the present. Cross-listed as PLSC 474.

PHIL 485 American Political Thought (4): American political ideas from the colonial period to the present. Cross-listed as PLSC 485.
PHIL 487A Classical Rhetoric and Criticism (4): A consideration of the formative theories of persuasion and interpretation, dating from the Greek, Roman, and early Christian eras. Particular emphasis is given to the relevance of classical theory to contemporary rhetoric and literature. Offered alternate years. Cross-listed as COMM 487A and ENGL 487A.

PHIL 487B Contemporary Literary Criticism (4): An examination of modern and post-modern literary theory, including the schools of formalism, psychoanalysis, feminism, post-structuralism, and cultural criticism. Readings survey the writers, philosophers, and social commentators whose contributions shaped and continue to shape current methodologies of interpretation. Offered alternate years. Cross-listed as ENGL 487B.

PHIL 499 Directed Study (1-4): Upper division independent study in consultation with an advisor.
Department of Physics

Department Faculty

Ivan E. Rouse, Chair
Professor of Physics (1978)
PhD Washington State University 1974
Condensed matter

Horace Crogman
Assistant Professor of Physics (2007)
PhD University of Arkansas 2004
Molecular dynamics, symmetry analysis

Elvis Geneston
Assistant Professor of Physics (2008)
PhD University of North Texas 2008
Statistical physics, complex networks

Collaborating Faculty

Benjamin L. Clausen
PhD University of Colorado 1987
Nuclear physics

Stephen J. Schiller
PhD University of Calgary 1986
Astrophysics

Degrees Offered

Bachelor of Science degrees in:
• Biophysics
• Minor in Biophysics

Preparation for teaching

Students interested in learning more about the preparation involved for teaching at the elementary and secondary levels, should refer to the Department of Curriculum and Instruction section in this bulletin.

Preparation for Medicine & Dentistry

Students planning to go on to medical or dental school will be well-prepared by taking the Biophysics BS degree. The biophysics major has a very broad background in the sciences with an emphasis on physics and biophysics. The biophysical background is unique in the approach it takes to studying biological problems from a physics point of view. In addition, much of the technology used in the practice of medicine and dentistry can be better understood with a background in biophysics.

Mission and Goals

The mission of the Physics Department faculty is to:
1. Promote an appreciation of the relationship of the world to its Creator Jesus Christ;
2. Appreciate the value and beauty of physics for understanding the physical world around them;
3. Prepare students for post-baccalaureate studies in science;
4. Provide service courses to other academic departments and programs.

Physics Learning Outcomes

1. Problem Solving Ability:
   • Students develop the ability to formulate, deconstruct, and solve complex biophysical problems using mathematics up through calculus.
2. General Competency in Biophysics:
   • Students develop depth of understanding in the fundamental subject areas: mechanics, electromagnetism, thermal and statistical physics, and quantum mechanics as they relate to biophysical phenomena.
3. Experimental and/or Theoretical Research Projects:
   • Students design and implement experiments and/or theoretical studies to understand physical phenomenon in the context of biophysics.
4. Information Literacy:
   • Students know how and where to find relevant and reliable scientific information including the web, online databases, and libraries.
5. Computer Tools and Instrumentation:
   • Students effectively use mathematical and experimental software packages and experimental equipment necessary for doing biophysics.
   • Students communicate and present information electronically including appropriate use of software and multimedia modes of communication.
6. Communication of Scientific Material to Colleagues and the General Public:
   - Students write well-organized, logical, and scientifically sound biophysics research papers.
   - Students present clear, well-organized, logical, scientifically sound, and audience-appropriate oral reports on appropriate biophysics topics.

7. Peer Collaboration and Leadership:
   - Students work effectively in teams to accomplish course assignments and they exercise appropriate leadership with their team.

8. Current Issues in Biophysics:
   - Students are acquainted with contemporary issues in biophysics.
   - Students critically evaluate topics in the emerging field of biophysics.

**Rhetorical Experiences in Physics**

Students majoring in biophysics fulfill the University requirement for upper division rhetorical skills by taking approved courses to develop speaking and writing skills like those involved in the preparation and delivery of oral papers and printed publications in the professional physics community. In addition, students must devote at least one quarter as a physics lab assistant or physics tutor. In response to this experience, students write a set of reflections based on a questionnaire, which becomes part of their advisor’s file.

**Senior Assessment**

Senior students must participate in the department’s assessment program, which may include taking a comprehensive physics assessment test during the winter or spring term of the senior year on a date announced by the department.

**MAJOR**

**Bachelor of Science**

**BIOPHYSICS**

Offered with the department of biology.

**Track A: Non-Research Emphasis**

Required: 68 units in biology and physics, as follows:

- BIOL 111, 111L General Biology I, with laboratory
- BIOL 112, 112L General Biology II, with laboratory
- BIOL 113, 113L General Biology III, with laboratory
- BIOL 301 Cell and Molecular Biology
- PHYS 219 Introduction to Biophysics
- PHYS 231, 231L General Physics I, with laboratory

**Plus, 8 units of upper division BIOL electives**

**Required Cognates:**

- CHEM 111, 111L General Chemistry I, with laboratory
- CHEM 112, 112L General Chemistry II, with laboratory
- CHEM 113, 113L General Chemistry III, with laboratory
- CHEM 271, 271L Organic Chemistry I, with laboratory
- CHEM 272, 272L Organic Chemistry II, with laboratory
- CHEM 273, 273L Organic Chemistry III, with laboratory
- MATH 131 Calculus I
- MATH 132 Calculus II
- MATH 133 Calculus III

**Track B: Research Emphasis**

Required: 77 units in biology and physics, as follows:

- BIOL 111, 111L General Biology I, with laboratory
- BIOL 112, 112L General Biology II, with laboratory
- BIOL 113, 113L General Biology III, with laboratory
- BIOL 301 Cell and Molecular Biology
- PHYS 219 Introduction to Biophysics
- PHYS 221 Experimental Techniques
- PHYS 231, 231L General Physics I, with laboratory
- PHYS 232, 232L General Physics II, with laboratory
- PHYS 233, 233L General Physics III, with laboratory
- PHYS 301 Mathematical Physics
- PHYS 316 Atomic Physics
- PHYS 326 Human Body Mechanics
- PHYS 346 Biomedical Imaging
- PHYS 355 Optics and Lasers
- PHYS 356 Cellular Physics
- PHYS 386 Biophysics Seminar
- PHYS 464 Statistical and Thermal Physics
- PHYS 481 Electromagnetic Theory
- PHYS 495 Thesis Research

**Plus, 8 units of upper division BIOL electives**
Required Cognates:

- CHEM 111, 111L  General Chemistry I, with laboratory
- CHEM 112, 112L  General Chemistry II, with laboratory
- CHEM 113, 113L  General Chemistry III, with laboratory
- CHEM 271, 271L  Organic Chemistry I, with laboratory
- CHEM 272, 272L  Organic Chemistry II, with laboratory
- MATH 131     Calculus I
- MATH 132     Calculus II
- MATH 133     Calculus III
- MATH 232     Differential Equations

**MINOR**

**BIOPHYSICS**

Required: 31 units, as follows:

- BIOL 466   Systems Physiology
- PHYS 231, 231L  General Physics I, with laboratory
- PHYS 232, 232L  General Physics II, with laboratory
- PHYS 233, 233L  General Physics III, with laboratory

**COURSES**

A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.

**LOWER DIVISION**

**PHYS 117 Introduction to Physics (4):** Emphasis on conceptual mechanics, fluids, thermodynamics, sound, electricity, and optics. For students requiring general education science elective, and majors in nursing and elementary education. Three lectures, one two-hour laboratory per week. Does not apply toward a major in physics. **Prerequisite: MATH 007 or equivalent**

**PHYS 118 Health Science Physics (2):** Problem solving and laboratory experiments in topics of particular interest to students in allied health fields. Attention given to developing problem-solving skills. One lecture, one two-hour laboratory per week. Does not apply toward a major in physics. **Prerequisite: PHYS 117 & MATH 007 or equivalent**

**PHYS 186 Biophysics Seminar (1):** Informal seminars on biophysics and related topics of mutual interest to faculty and students. May be repeated for a maximum of two units.

**PHYS 219 Introduction to Biophysics (1):** This course discusses the fundamental thinking process of physics using concrete examples. Students will study biophysical phenomenon through discussions, reading expert papers, watching videos, or listening to short presentations. They will learn through discussions and practice, how to write scientific abstracts for conferences and paper publication. They will be given training on how to use Library database. The different styles of writing a scientific paper will be discussed. **Prerequisites: ENGL 111, 112, & 113**

**PHYS 221 Experimental Techniques (2):** Experiments in a range of topics in physics, including selections from the following: wave optics, light scattering, Nuclear Magnetic Resonance, X-ray diffraction, numerical simulation and modeling, holography, electro-optics, laser tweezers, chaotic dynamics, and optical microscopy. **Prerequisites: MATH 131, 132, & 133; PHYS 231, 232, & 233**

**PHYS 231 General Physics I (4):** Kinematics and dynamics of particles and rigid bodies, properties of matter, momentum, energy. (Recommended preparation for General Physics includes high school courses in algebra I and II, geometry, trigonometry, and physics.) Four lectures per week. Students with calculus background should enroll in the B section of the course. Students with only algebra and trigonometry background should enroll in the A section of the course. Must be taken concurrently with PHYS 231L. **Prerequisite for PHYS 231A: MATH 122 or equivalent**. **Prerequisite for PHYS 231B: MATH 132 or equivalent**

**PHYS 231L General Physics I Laboratory (1):** One three-hour laboratory per week presenting experimental aspects of the topics presented in PHYS 231A or 231B. Must be taken concurrently with PHYS 231. Students must earn a C or better to move to both A and B sections of PHYS 232 and PHYS 232L.

**PHYS 232 General Physics II (4):** Electric and magnetic forces and fields, DC and AC properties of circuits, electromagnetic induction. Four lectures per week. Must be taken concurrently with PHYS 232L. **Prerequisite for PHYS 232A: PHYS 231A**. **Prerequisite for PHYS 232B: PHYS 231B**

**PHYS 232L General Physics II Laboratory (1):** One three-hour laboratory per week presenting experimental aspects of the topics presented in PHYS 232A or 232B. Must be taken concurrently with PHYS 232. Students must earn a C or better to move to both A and B sections of PHYS 233 and PHYS 233L.

**PHYS 233 General Physics III (4):** Geometrical and physical optics, harmonic motion and wave phenomena, quantum physics of the atom and nucleus. Four lectures per week. Must be taken concurrently with PHYS 233L. **Prerequisite for PHYS 233A: PHYS 232A**. **Prerequisite for PHYS 233B: PHYS 232B**
PHYS 233L General Physics III Laboratory (1): One three-hour laboratory per week presenting experimental aspects of the topics presented in PHYS 233A or 233B. Must be taken concurrently with PHYS 233.

PHYS 298 Directed Research (1-4): Lower division level completion of a laboratory research project under the supervision of an on-campus faculty member or approved off-campus research supervisor. May be repeated for additional credit. Minimum three hours laboratory per week per unit of credit. Prerequisite: Consent of the instructor

PHYS 299 Directed Study (1-4): Lower division level directed study of a problem suited to the background and experience of the student. May be repeated for additional credit. Minimum of 25 clock hours per unit required for a passing grade. Prerequisite: Consent of the instructor

UPPER DIVISION

PHYS 301 Mathematical Physics (4): This course is a study of selected mathematical techniques of universal applicability across the different branches of theoretical physics. Emphasis is placed on the physicist's approach to formulating and solving problems with sophisticated mathematical tools. This includes an introduction to vectors and fields in space, and Fourier transforms. In addition, there is a brief introduction to differential equations in physics and discussion of special functions and complex variables. A few biological examples will be discussed using mathematical software such as Mathcad, Matlab, and Maple. Prerequisites: MATH 131, 132, & 133; PHYS 231, 232, & 233

PHYS 304 Astronomy (4): Observational astronomy, the solar system, physics of stars, and stellar systems. Three lectures and one laboratory per week. Prerequisite: MATH 115 or 121. Restriction: Not open to freshmen except by consent of instructor

PHYS 307 Musical Acoustics (4): An introduction to the field of acoustics emphasizing sound production by musical instruments, propagation of sound from source to listener (including electronic reproduction) and psychoacoustic perception of sound. A study of room acoustics and physics of sound design. Three lectures and one two-hour lab per week. Offered alternate years. Prerequisites: MATH 121 & PHYS 117

PHYS 316 Atomic Physics (4): The experimental foundations of quantum physics and an introduction to quantum concepts applied to atoms, nuclei, simple molecules, and solids. Three lectures and one laboratory per week. Cross-listed as CHEM 353. Prerequisites: MATH 132 & PHYS 233

PHYS 326 Human Body Mechanics (4): The focus of this course is on the understanding of fundamental issues related to biomechanics of the human body. Anatomical and technical principles of mechanics will be applied to human movement. Topics will include scaling of mechanical properties and abilities, properties of biological materials (stress, strain, strength, etc.), linear and angular kinematics (position, velocity, and acceleration), linear and angular kinetics (force, center of mass, work, energy, impulse, and momentum). This course will include laboratory activities. Prerequisites: BIOL 113 & 113L, MATH 133 & PHYS 233 & 233L

PHYS 336 Physics of Biomaterials (4): Mechanics of biological tissues and cells, stress and strain, elasticity of bone and tissue, Newtonian fluid flow, Reynolds number, bioviscoelastic fluids and solids, Windkessel theory, muscle modeling. Offered alternate years. Prerequisites: BIOL 113 & 113L, MATH 133 & PHYS 233 & 233L

PHYS 346 Biomedical Imaging (4): An introduction to the principles and applications of biomedical imaging, with emphasis on the acquisition, processing, display of imagery, and design of imaging systems. Filtering, convolution, and Fourier methods. Microscopy, x-ray, radiography, computed tomography (CT scan), magnetic resonance imaging (MRI), ultrasound, and nuclear imaging. Offered alternate years. Prerequisites: BIOL 113 & 113L, MATH 133 & PHYS 233 & 233L

PHYS 355 Optics and Lasers (4): Geometrical Optics: The nature and speed of light, laws of geometrical optics (reflection, refraction and dispersion), image formation by lenses and mirrors, light aberration, some optical instruments, interference of light, thin films, Michelson’s interferometer, diffraction of light, resolving power, the diffraction grating, X-ray diffraction, and polarization of light. Introduction to Laser Physics: Spontaneous and stimulated emission of radiation, Einstein’s coefficients, population inversion, laser amplification and oscillation, laser frequencies, laser rate equation, laser types (gas lasers, solid-state lasers, semiconductor lasers). Offered alternate years. Prerequisites: MATH 131, 132, & 133; PHYS 231, 232, & 233

PHYS 356 Cellular Physics (4): Physics of biomolecules, molecular forces, structural organization of proteins, and nucleic acids; active and passive transport; Fick’s Laws; first and second laws of thermodynamics; random walk; diffusion and osmosis; elementary neurobiophysics; Nernst potential; action potential. Offered alternate years. Prerequisites: BIOL 113 & 113L, MATH 133 & PHYS 233 & 233L

PHYS 386 Biophysics Seminar (1): Informal seminars on biophysics and related topics of mutual interest to faculty and students. Offered even-numbered years. Seminars to assist students in preparing a formal paper in AIP style. May be repeated for a maximum of two units.
PHYS 389 Rhetorical Experiences in Physics (0): Students majoring in biophysics enroll in this course during the quarter(s) they perform the duties of laboratory teaching assistant (TA) or tutor. A short paper responding to a set of reflective questions about their learning experience as a TA and/or tutor is required. Must be taken at least once while in residence at La Sierra University.

PHYS 464 Statistical and Thermal Physics (4): Thermodynamic systems, heat, work, laws of thermodynamics, formal mathematical relations, cycles, phase equilibrium, and multicomponent systems. Elementary kinetic theory, introduction to microscopic view of entropy, ensemble theory, and applications of statistical mechanics. Offered alternate years. Prerequisites: MATH 131, 132, & 133; PHYS 231, 232, & 233

PHYS 481 Electromagnetic Theory (4): The fundamentals of electromagnetic theory. Topics include boundary value problems in electrostatics and magnetostatics, electromagnetic field equations and special relativity, electromagnetic waves, radiation theory, and multi-pole fields. Offered alternate years. Prerequisites: MATH 131, 132, 133, & 232; PHYS 231, 232, & 233

PHYS 486 Topics in Biophysics (1-4): Topics in physics and biophysics selected by faculty and students to enrich and strengthen the biophysics curriculum. May not be used to replace a core or cognate requirement. May be repeated with new content for additional credit.

PHYS 494 Workshop in Physics (1-4): Content selected to support the continuing education needs of secondary school science faculty. May be repeated with new content for additional credit. May not be applied toward a major or minor in physics.

PHYS 495 Thesis Research (3-6): A student in Track B is required to complete at least six hours of research work with a faculty member from any of the following disciplines: physics, biology, chemistry, and mathematics and computing science. The student must defend his thesis before a committee of three persons where two committee faculty must be from the department of physics. This committee must include the student's academic advisor and research advisor. The student research project does not need to be original but the student must demonstrate a clear understanding of his research topic and reproduce major results. Prerequisites: Upper division standing

PHYS 498 Directed Research (1-4): Upper division level completion of a laboratory research project under the supervision of an on-campus faculty member or approved off-campus research supervisor. May be repeated for additional credit. Minimum three hours laboratory per week per unit of credit. Prerequisite: Consent of the instructor

PHYS 499 Directed Study (2-4): Upper division level directed study of a problem suited to the background and experience of the student. May be repeated for additional credit. A minimum of 25 clock hours per unit required for a passing grade. Prerequisite: Consent of the instructor
Department Faculty

Sean E. Evans  
Assistant Professor of Psychology (2010)  
PhD Loma Linda University 2005  
Clinical Psychology, Forensic Psychology

In-Kyeong Kim  
Professor of Psychology (1995)  
PhD Cornell University 1990  
Cognitive psychology, perceptual and cognitive development

Paul M. Mallery  
Professor of Psychology (1993)  
PhD University of California, Los Angeles 1994  
Social and political psychology, intergroup relations

Suzanne Mallery  
Associate Professor of Psychology (2001)  
PhD Fuller Theological Seminary 1998  
Clinical psychology, pediatric psychology

Leslie R. Martin  
Professor of Psychology (1996)  
PhD University of California, Riverside 1996  
Personality and social psychology, health psychology

Adeny Schmidt  
Professor of Psychology (1974)  
PhD University of California, Los Angeles 1986  
Developmental psychology, research methodology

Collaborating Faculty

Paul E. Haerich  
Professor of Psychology (1989)  
PhD University of Florida 1989  
Psychobiology, human cognitive psychophysiology

Gloria M. Hicinbothom  
Associate Professor of Psychology (1991)  
PhD University of Connecticut 1998  
Ethology, child development, development of problem-solving strategies

Lisa M. Murphy  
Assistant Professor of Psychology (2010)  
PhD University of California, Riverside 2007  
Victimology, delinquency, Domestic Violence

Degrees Offered

- Bachelor of Arts degree in Psychology
- Bachelor of Science degree in Neuroscience
- Minors in Criminal Justice, Industrial/Organizational Psychology, Psychology, & Neuroscience

Preparation for teaching

Students interested in learning more about the preparation involved for teaching at the elementary and secondary levels, should refer to the School of Education listing located on page 185 of this bulletin.

Mission Statement

Psychology infuses every area of life, from physics to theology to the mundane activities we undertake each day. A holistic educational experience—one that balances academic rigor with various kinds of learning opportunities and fosters personal integrity and responsibility—is the primary aim of our department’s faculty. Students earning a bachelor’s degree from La Sierra University will be trained to think like psychologists, demonstrating the empirical habits, mastery of knowledge, and practical research skills that will make them competitive applicants for top graduate programs and jobs requiring strong analytical, information literacy, and communication skills. Metacognition—reflecting on how we think—is also emphasized throughout our curriculum as students practice the integration of faith with the discipline of psychology, practice self-awareness, and analyze their own worldviews. This includes learning to embrace the process of critical evaluation, and to value alternative viewpoints even when these create ambiguity and preclude simple solutions. Although life’s problems rarely have simple solutions, we believe that empathy and integrity are necessary components of any truly effective problem-solving.

One way in which we encourage all of these qualities, which we deem critical in psychologically-minded individuals, is to create a scholarly community where each student is cared for, guided, mentored, and challenged. Within this environment, we aim that the academic skills, social conscience, and spiritual development of our students will be strengthened through both coursework and the example of each of the faculty.
Psychology Learning Outcomes

1. Demonstrate knowledge and understanding representing appropriate breadth and depth in selected content areas of psychology.
2. Design and conduct basic studies to address psychological questions, using appropriate research methods.
3. Use critical thinking effectively.
4. Identify appropriate applications of psychology in solving problems.
5. Seek and evaluate scientific evidence for psychological claims.
6. Tolerate ambiguity and realize that psychological explanations are often complex and tentative.
7. Demonstrate information competence in relevant areas.
8. Use information and technology ethically and responsibly.
9. Demonstrate effective writing skills in various formats (e.g., essays, correspondence, technical papers, note taking) and for various purposes (e.g., informing, defending, persuading, arguing, teaching).
10. Reflect on their experiences and find meaning in them, including as they relate to their personal spiritual commitments and the Seventh-day Adventist orientation of the University.

Psychology Honors

Psi Chi is the International Honor Society in Psychology founded in 1929 with the goal to encourage, stimulate, and maintain excellence in scholarship, and to advance the science of psychology. Since its establishment in the year 2000, the La Sierra University chapter has inducted more than 100 students into life membership providing them with access to grants, student research programs, presentations at national meetings, and publications.

The Psychology Department Honors is designed for highly-qualified students who wish to further their research experience in psychology. Students who complete the program must be members of Psi Chi; graduate with a 3.5 GPA; do an original research project under the supervision of the Psychology Department faculty (through either PSYC 495 or the University Honors Program’s Scholarship Project); and present their research in a public forum approved by the department faculty.

Undergraduate Research

The Psychology Department believes deeply in the importance of undergraduate research and its curriculum fosters the development of empirical skills. In addition, interested students are encouraged to become actively involved in independent faculty-mentored research projects. Shelia Marshall McLean Student Research Grants are available to help fund outstanding undergraduate research projects.

MAJORS

Bachelor of Arts

PSYCHOLOGY

The Bachelor of Arts degree in psychology provides a rigorous foundation based in both the science and application of psychology. It prepares the student for graduate school through a series of courses that includes laboratory and extramural experiences while allowing sufficient options to pursue particular interests.

Required: 58 units as follows:

- The following courses and cognates
- Remaining units selected from PSYC or NEUR courses, two of which must be laboratory courses, and no more than 8 units of which can be NEUR.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 104, 104L</td>
<td>General Psychology, with laboratory</td>
</tr>
<tr>
<td>PSYC 319</td>
<td>Career Colloquium</td>
</tr>
<tr>
<td>PSYC 321, 321L</td>
<td>Methods and Statistics I: Description and Correlation, with laboratory</td>
</tr>
<tr>
<td>PSYC 322, 322L</td>
<td>Methods and Statistics II: Experiment and Inference, with laboratory</td>
</tr>
<tr>
<td>PSYC 323, 323L</td>
<td>Methods and Statistics III: Conducting Research, with laboratory</td>
</tr>
<tr>
<td>PSYC 488</td>
<td>Seminar in Psychology</td>
</tr>
<tr>
<td>PSYC 219*</td>
<td>Psychology Colloquium</td>
</tr>
<tr>
<td>NEUR 261, 261L</td>
<td>Introduction to Neuroscience, with laboratory</td>
</tr>
</tbody>
</table>

Note: *0.5 unit for each year of residence up to 4 years; minimum 0.5 units.

Required Cognates: 9 units as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>BIOL 111, 111L</td>
<td>General Biology I, with laboratory</td>
</tr>
<tr>
<td>UNST/UHNR 404M</td>
<td>Senior Seminar: Religion, Values, and Social Responsibility</td>
</tr>
</tbody>
</table>

Bachelor of Science

A Bachelor of Science in Neuroscience is offered jointly with the Biology department (see program in Neuroscience for details).
MINORS

CRIMINAL JUSTICE

Required: 28 units including:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>CJUS 105</td>
<td>Introduction to Criminal Justice</td>
</tr>
<tr>
<td>PLSC 225</td>
<td>Introduction to Law</td>
</tr>
</tbody>
</table>

Plus, choice of 2 of the following 3 courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 482A</td>
<td>Prejudice</td>
</tr>
<tr>
<td>PSYC 482F</td>
<td>Adolescence and Emerging Adulthood</td>
</tr>
<tr>
<td>PSYC 482G</td>
<td>Eyewitness Memory</td>
</tr>
</tbody>
</table>

Remaining units to be selected from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC/SOCI 251</td>
<td>Social Psychology</td>
</tr>
<tr>
<td>PSYC 356</td>
<td>Psychological Assessment and Measurement</td>
</tr>
<tr>
<td>PSYC 434</td>
<td>Field Instruction</td>
</tr>
<tr>
<td>(2-4 units)</td>
<td></td>
</tr>
<tr>
<td>PSYC 482A</td>
<td>Prejudice</td>
</tr>
<tr>
<td>PSYC 482D</td>
<td>Eating Disorders</td>
</tr>
<tr>
<td>PSYC 482F</td>
<td>Adolescence and Emerging Adulthood</td>
</tr>
<tr>
<td>PSYC 482G</td>
<td>Eyewitness Memory</td>
</tr>
<tr>
<td>PSYC 488B</td>
<td>Psychology and Law</td>
</tr>
<tr>
<td>PSYC/PLSC 488E</td>
<td>Political Psychology</td>
</tr>
<tr>
<td>SOWK 286C</td>
<td>Criminal Justice</td>
</tr>
</tbody>
</table>

INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY

Required: 28 units including:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 304</td>
<td>Management and Organizational Behavior</td>
</tr>
<tr>
<td>MGMT 356</td>
<td>Human Resource Management</td>
</tr>
<tr>
<td>PSYC 356</td>
<td>Psychological Assessment and Measurement</td>
</tr>
<tr>
<td>PSYC 474</td>
<td>Industrial and Personnel Psychology</td>
</tr>
</tbody>
</table>

Remaining units to be selected from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 475</td>
<td>Leadership and Organizational Effectiveness</td>
</tr>
<tr>
<td>MKTG 374</td>
<td>Consumer Behavior</td>
</tr>
<tr>
<td>PSYC 251</td>
<td>Social Psychology</td>
</tr>
<tr>
<td>PSYC 434</td>
<td>Field Instruction</td>
</tr>
<tr>
<td>(up to 2 units)</td>
<td></td>
</tr>
<tr>
<td>PSYC 482A</td>
<td>Prejudice</td>
</tr>
</tbody>
</table>

PSYCHOLOGY

Required: 30 units (12 upper division), including:

- The following courses
- Remaining units to be selected from Psychology major-approved courses with a minimum of 8 units of PSYC.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 104, 104L</td>
<td>General Psychology, with laboratory</td>
</tr>
<tr>
<td>NEUR 261, 261L</td>
<td>Introduction to Neuroscience, with laboratory</td>
</tr>
</tbody>
</table>

Notes:

A minor must have a minimum of 12 units that are not used to fulfill the requirements for the major.

Some of these courses may be offered alternate years; check with the Department of Psychology or the offering department for more information.

COURSES

A student must receive a grade of ‘C’ or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.

LOWER DIVISION

PSYC 104 General Psychology (4): Introduction to the scientific study of human emotion, motivation, cognition and behavior; includes a brief overview of the physiological, cognitive, and motivational aspects of behavior. Psychology and neuroscience majors must enroll in 104L. Prerequisite: ENGL 111 (can be concurrently enrolled)

PSYC 104L General Psychology Laboratory (1): Experiences on asking research questions, approaches to answering those questions, descriptive statistics, probability. Written reports will follow APA guidelines and style. Required for psychology majors/minors and neuroscience majors; optional for all others. Prerequisite: PSYC 104 (can be concurrently enrolled)

PSYC 219 Psychology Colloquium (0.5): Students register for this colloquium, which is devoted to exploring current topics in psychology and professional issues in the field. Students register for this colloquium each year of residence as a psychology major. Enrollment in the quarter of the student’s choice for participation throughout the year. Attendance at eight colloquia is required per half-unit of enrollment. S/U grade. May be repeated up to 4 times for credit.

PSYC 234 Developmental Psychology (4): Exploration of the physical, mental, emotional, social, and religious/moral development occurring within the family context from conception through adulthood. May include Service-Learning experience. Not open to students with credit in SOWK 311/312. Prerequisite: ENGL 111 (can be concurrently enrolled)
PSYC 234L Developmental Psychology Laboratory (1): The laboratory provides experiences where students learn how to ask research questions, acquire observational skills, and learn how to code, analyze and report developmental data. Counts as one of two required labs, and may provide service-learning credit. Students may not receive service learning credit for PSYC 234 and the lab. Prerequisite: PSYC 234 (can be concurrently enrolled)

PSYC 251 Social Psychology (4): Review of social psychological knowledge and understanding of individuals, groups, systems, and culture, including conformity, persuasion, social cognition, self-justification, aggression, prejudice, and interpersonal relationships. Cross-listed as SOCI 251. Prerequisite: PSYC 104

PSYC 251L Social Psychology Laboratory (1): Experiences focusing on research methodology in social psychology. Includes the replication of classic and contemporary studies, the execution of a simple experiment, and APA style lab reports. Counts as one of two required labs. Prerequisite: PSYC 251 (can be concurrently enrolled)

PSYC 275 Abnormal Psychology (4): Psychology of behavioral disorders, with emphasis on etiology, symptoms, and treatment. Prerequisite: PSYC 104

PSYC 295A Introductory Research I (1-4): Focus on reading and interpreting research studies; gaining familiarity with study designs; synthesizing prior findings for integration into literature reviews. Prerequisite: PSYC 104, 104L, consent of instructor & a minimum overall GPA of 2.50

PSYC 295B Introductory Research II (1-4): Focus on simple methods of data collection and data entry. Prerequisite: PSYC 104, 104L, consent of instructor & a minimum overall GPA of 2.50

PSYC 295C Introductory Research III (1-4): Focus on making data sets usable, including dealing with missing data. Prerequisite: PSYC 104, 104L, consent of instructor & a minimum overall GPA of 2.50

PSYC 295D Introductory Research IV (1-4): Focus on methods of data analysis. Prerequisite: PSYC 104, 104L, consent of instructor & a minimum overall GPA of 2.50

PSYC 295E Introductory Research V (1-4): Focus on presentation of findings. Prerequisite: PSYC 104, 104L, consent of instructor & a minimum overall GPA of 2.50

PSYC 299 Directed Study (1-4): Limited to department majors who wish to pursue independent investigations in psychology under the direction of a department faculty member. Approximately 40 clock hours of work per quarter per unit of credit. Prerequisite: Consent of department. Restriction: Department majors

UPPER DIVISION

PSYC 314 Psychology of Gender (4): Survey of theory and research on the psychology of gender. Topics include the psychological and physiological development of gender, gender differences in personality, and the social construction of gender. Prerequisite: PSYC 104

PSYC 319 Career Colloquium (1): Junior students enroll in this class to prepare for post-baccalaureate education and to learn strategies for successful application to and completion of graduate school, as well as future careers in the field of psychology. Prerequisite: PSYC 104

PSYC 321 Methods and Statistics I: Description and Correlation (4): Descriptive and correlational research methods and statistics in psychology, including questionnaire construction and administration, descriptive statistics, hypothesis testing applied to means and frequencies, correlation, and regression. Effect size and power are introduced. Special emphasis on writing reports using APA style. Concurrent registration in PSYC 321L is required. Prerequisites: PSYC 104, 104L & either MATH 115, or 121, or 155, or CPTG 117

PSYC 321L Methods and Statistics I: Description and Correlation Laboratory (0): Descriptive and correlational psychological research techniques and statistical methods are explored through replicating and conducting studies, analyzing data, and presenting results. Practice in the use of computer software to analyze results from these studies. Concurrent registration in PSYC 321 is required.

PSYC 322 Methods and Statistics II: Experiment and Inference (4): Experimental research methods and inferential statistics in psychology, including multiple regression, mediation and moderation, causal relationships, reliability and validity, tests and ANOVA, and effect size. Special emphasis on conducting a literature search and theoretically justifying hypotheses, research ethics, editing and improving technical writing, and the visual and oral presentation of results. Concurrent registration in PSYC 322L required. Prerequisite: PSYC 321 & 321L

PSYC 322L Methods and Statistics II: Experiment and Inference Laboratory (1): Experimental research methods are explored though replicating and conducting studies, and inferential statistics are explored through analyzing data and presenting results from those studies. Practice in the use of SPSS to analyze results from these studies. Concurrent registration in PSYC 322 is required.
PSYC 323 Methods and Statistics III: Conducting Research (4): Conducting research in psychology, including validity; repeated measures and covariates; and the research process focusing on methodology, ethics, analyzing, and interpreting data. Students conduct research studies that are presented in a major paper and public poster presentations. Concurrent registration in PSYC 323L required. **Prerequisite:** PSYC 322 & 322L

PSYC 323L Methods and Statistics III: Conducting Research Laboratory (1): Additional laboratory work in conducting research, analyzing data using SPSS, and reporting results. Concurrent registration in PSYC 323 required.

PSYC 344 Personality (4): A survey of the major topics in the field of personality, including personality theory; personality assessment; and the physiological, behavioral, and cultural roles of perception, learning and motivation in personality. **Prerequisite:** PSYC 104

PSYC 356 Psychological Assessment and Measurement (4): Introduction to procedures used in psychological assessment, including assessment of cognitive, personality, academic, neuropsychological, and occupational functioning. Includes the integration of data from testing, interviews, case history, and direct observation. Focus on the reliability and validity of measures for particular applications. Concurrent registration in PSYC 356L is required. **Prerequisites:** PSYC 321 & 321L

PSYC 356L Psychological Assessment and Measurement Lab (1): Additional laboratory work concerned with the integration of data from testing, interviews, case history, and direct observation. Concurrent registration in PSYC 356 is required.

PSYC 364 Introduction to Health Psychology (4): Study of the interrelationships of psychological and behavioral factors in health and illness. A variety of basic topics in the field are covered, including stress and coping in illness prevention and health promotion, illness behavior, impact of hospitalization, and modification of health habits. May provide service-learning credit. Offered alternate years. **Prerequisite:** PSYC 104

PSYC 374 Cognition and Memory (4): An introduction to the psychological investigation of perceptual and cognitive processes, emphasizing pattern recognition, attention, memory, knowledge representation, problem solving, decision making, language, and intelligence. Offered alternate years. Concurrent registration in PSYC 374L is required. **Prerequisite:** PSYC 104

PSYC 374L Cognition and Memory Laboratory (0): Includes laboratory investigation of classic experiments and concepts such as iconic memory, short-term memory search, attentional blink, word superiority effect, false memory, and decision-making heuristics. Concurrent registration in PSYC 374 is required.

PSYC 392 Essentials of Game Theory (4): Introduction to the formal study of interdependent decision making. Topics include normal and extensive form games, strategic games, dominance strategies, the concept of the Nash equilibrium and various refinements of this concept, subgame perfect equilibrium, games of incomplete information, learning in games, repeated and sequential games, reputation and credibility, and cooperative and coalitional games. Applications in economics, political science, interpersonal relations, and business are emphasized. Cross-listed as ECON 392. **Prerequisite:** Consent of instructor

PSYC 401 Senior Field Experience (4): This class is designed for psychology majors and requires the completion of a supervised field experience and a theoretical application paper. Students have up to one year to complete their required hours and theoretical application paper. **Prerequisite:** PSYC 104, 104L & departmental approval. **Restriction:** Only for psychology majors with senior standing

PSYC 414 Interviewing and Counseling (4): Development of basic practical interviewing and counseling skills and techniques central to therapeutic and educational counseling, crisis intervention, and vocational interviewing. Focus on legal and ethical issues in counseling and vocational interviews, structuring interviews, and facilitating growth and change. Concurrent registration in PSYC 414L is required. **Prerequisite:** PSYC 104

PSYC 414L Interviewing and Counseling Laboratory (0): Supervised group practice in interviewing and counseling skills, using hypothetical scenarios. Concurrent registration in PSYC 414 is required.

PSYC 435 Learning and Behavior (4): An introduction to the major theories and phenomena of human and animal learning and behavior, including associative learning, theories of conditioning, reinforcement and punishment, and cognitive learning. Includes discussion of analysis of their pragmatic relevance and application. Offered alternate years. Concurrent registration in PSYC 435L is required. **Prerequisite:** PSYC 104 & 104L

PSYC 435L Learning and Behavior Laboratory (0): Replication of classic learning experiments and application of major learning theories to everyday tasks. Concurrent registration in PSYC 435 is required.

PSYC 454 Psychotherapy (4): Advanced examination of current theoretical models of psychotherapy. Focus on views of mental health and illness as well as techniques specific to each model. **Prerequisites:** PSYC 104
PSYC 456 Sensation and Perception (4): Introductory survey of the human senses and their role in perception. Consideration of how we sense the physical environment in many domains such as chemistry, physics, brain science, and physiology, in addition to experiments and observations on seeing, hearing, tasting, smelling, and touching. Offered alternate years. Concurrent registration in PSYC 456L is required. Prerequisite: PSYC 104, 104L, NEUR 261, 261L.

PSYC 456L Sensation and Perception Laboratory (0): Includes laboratory investigation of experiments and observations on pattern perception, depth perception, visual and auditory illusions, color, music, gustatory, olfactory and tactile perceptions, and intermodal experience. Concurrent registration in PSYC 456 is required.

PSYC 464 The Exceptional Child (4): Study of determinants, characteristics, problems, and adjustments of children with mental, physical, emotional, or social disabilities and of gifted and talented children. Intervention techniques used with children with disabilities are explored. Attention is paid to the rights of children under the Americans with Disabilities Act and the Individuals with Disabilities Education Act. Credit not allowed for both EDPC 460 and this course. Concurrent registration in PSYC 464L is required. Offered alternate years. Prerequisite: PSYC 104

PSYC 464L The Exceptional Child Laboratory (0): Students will have extensive experience with children with disabilities. Laboratory will focus on developing systematic observation skills, data collection and analysis of behaviors over time. May provide service-learning credit. Concurrent registration in PSYC 464 is required.

PSYC 474 Industrial and Organizational Psychology (4): Introduction to the application of psychology in industry and business. Topics include psychological solutions to personnel problems, including human relations, effective employee selection, training, motivation, and morale. Includes discussion of employer/employee relations, including factors influencing efficiency of work and job satisfaction. Offered alternate years. Prerequisite: PSYC 104

PSYC 478 History and Systems of Psychology (4): Philosophical and historical background of psychology, with consideration of contemporary schools and systems of psychology. Offered alternate years. Prerequisite: PSYC 104

PSYC 482 Advanced Seminar in Psychology: Topics of current interest in the field of psychology. Content varies as follows; different sections may be repeated for additional credit. See the class schedule each quarter for additional offerings.

PSYC 482A Prejudice (2): An examination of the cognitive, affective, and behavioral aspects of prejudice, including prejudice based on such categories as race, gender, ethnicity, stigma, and age. Both laboratory and field research are emphasized. Prerequisite: PSYC 104 or 234

PSYC 482B Physician-Patient Communication (2): An advanced course on the characteristics of communication between physicians and patients. Emphasis placed on determinants of the quality of communication (including nonverbal cues), interaction of various communication styles, and impact on varied patient outcomes. Prerequisite: PSYC 104

PSYC 482C Critical Thinking: Theory and Application (2): Advanced class on development of basic skills in critical thinking. Topics include reasoning, logic, common fallacies, practical language, persuasion, problem-solving strategies, and applying skills of critical thinking to the complex issues of everyday life. Prerequisite: PSYC 104

PSYC 482D Eating Disorders (2): The incidence, etiology, diagnosis, symptoms, treatment, and prognosis of bulimia, anorexia, obesity, body dysmorphic disorder, and other eating disorders. Emphasis placed on the effects of media and advertising on the young, as well as perceptions youth have of their bodies.

PSYC 482F Adolescence and Emerging Adulthood (2): A focused study of the developmental period between late-childhood and early adulthood including developmental tasks related to attachment and autonomy, sexuality, intimacy, achievement, and identity. Prerequisite: PSYC 104 or PSYC 234

PSYC 482G Eyewitness Memory (2): Study of the factors influencing eyewitness testimony, including situational variables (i.e. temporal and violence factors), witness variables (i.e. witness expectancies, witness age, etc.), recovered memory vs. false memory, face recognition, the interview process, and expert evidence presented. Other topics include the impact of eyewitness testimony on the jury, child witnesses in sexual abuse trials, and other issues of pretrial identification methods. Prerequisite: PSYC 104

PSYC 482H Psychology of Creativity (2): Explores the psychological processes associated with creativity, including characteristics of creative people, development of creativity over the life span, creativity and flow, nurturing the creative process, and creativity and madness. Prerequisite: PSYC 104 or 234

PSYC 482 Language Development (2): An exploration of conceptual, social, and linguistic processes underlying children’s language development; similarities and differences in these processes when developing a second language. Prerequisite: PSYC 104 or 234

PSYC 482L Psychopathy (2): Theory and research on individuals who may appear charming but who manipulate and coerce for self-interest, lacking empathy for others. Topics include causal factors, expression, assessment, and treatment of psychopathy; and characteristic emotion and thought process of psychopaths.
PSYC 484 Topics in Psychology: Topics of current interest in the field of psychology. Content varies as follows; different sections may be repeated for additional credit. See the class schedule each quarter for additional offerings.

PSYC 484A Intergroup Relations (4): An examination of the way individuals in groups relate to each other focusing on the cognitive aspects of intergroup relations and the relation between identity and intergroup relations. Offered occasionally. Prerequisites: PSYC 251, 321, 321L & upper division standing

PSYC 484C Perceptual and Cognitive Development (4): Advanced class on the early development of cognition and perception. Topics include physiological basis of perception, color perception, oculomotor development, speech perception, intermodal perception, proprioception memory, language, intelligence, social cognition, and contextual influences, with theoretical perspectives on the nature of cognitive development and their application. Prerequisites: PSYC 234, 321, 321L & upper division standing

PSYC 484D Cognitive Development (4): An advanced class on early cognitive development with particular focus on the development of language, social cognition, and problem-solving skills. Theoretical perspectives and methods of inquiry are examined and critiqued, and practical application of empirical findings is emphasized. Prerequisites: PSYC 234, 321, 321L & upper division standing

PSYC 484H Adaptation: Theories and Evidence (4): Survey of historical and contemporary theories of adaptation- and change-related psychological mechanisms. Addresses epistemological issues and critiques the empirical evidence for various theories. Prerequisites: PSYC 104, 321, 321L & upper division standing

PSYC 488 Seminar in Psychology: Variable content to focus on the interface of psychology and one or more disciplines. See the class schedule each quarter for additional offerings.

PSYC 488B Psychology and Law (4): An introduction to the application of psychological topics to law, including the legal process, trials and juries, eyewitness testimony, presentation of scientific evidence, and the use of social science in the legal system. Prerequisite: PSYC 104

PSYC 488C Psychology of Religion (4): An examination of religious behavior from a psychological (theoretical and methodological) perspective. Focus is on the development of religion and religious socialization, religious experience, religion and death, the social psychology of religious organizations, coping and adjustment, and religion and mental disorder. Prerequisite: PSYC 104

PSYC 488D Psychology of Music (4): Focuses on the perception and cognition of music. Topics include the sense and perception of sound, timbre, consonance, dissonance, musical scales, attention and memory of melody, rhythm and the organization of time, and cross-cultural universals. Prerequisite: PSYC 104

PSYC 488E Political Psychology (4): Application of psychological theory and research methods to political science topics. Examination of the way that politics is influenced by characteristics of people (abilities, personalities, values, and attitudes), as well as the way that people are influenced by the political environment (institutions, information, and norms). Major theories and approaches in personality and social psychology are used to explore the topics of political leaders, political followers, public opinion, tolerance and intolerance, and international relations. Cross-listed as PLSC 488E. Prerequisite: PSYC 104

PSYC 488F Sport Psychology (4): An introduction to sport and exercise psychology as an academic discipline with a focus on using empirical evidence in an applied fashion. The ways in which psychological factors influence participation and performance in sport and exercise will be examined, as well as the effects of sport/exercise on psychological well-being of an individual. Topics include goal-setting; team cohesion; psychological skills training; competition anxiety; self-confidence and motivation; coach-athlete communication, attention, concentration, and imagery; and burnout in athletes. Cross-listed as EXSC 418E. Prerequisite: PSYC 104

PSYC 495A Intermediate Research I (1-4): Designed for students conducting independent research; focus on synthesizing prior findings for integration into literature review. Prerequisites: PSYC 321, 321L, 322, 322L, 323, 323L, consent of instructor & a minimum overall GPA of 3.00

PSYC 495B Intermediate Research II (1-4): Designed for students conducting independent research; focus on study design. Prerequisites: PSYC 321, 321L, 322, 322L, 323, 323L, consent of instructor & a minimum overall GPA of 3.00

PSYC 495C Intermediate Research III (1-4): Designed for students conducting independent research; focus on data collection techniques. Prerequisites: PSYC 321, 321L, 322, 322L, 323, 323L, consent of instructor & a minimum overall GPA of 3.00

PSYC 495D Intermediate Research IV (1-4): Designed for students conducting independent research; focus on working with data including dealing with missing data, creating scale scores and data transformations. Prerequisites: PSYC 349, consent of instructor & a minimum overall GPA of 3.00
PSYC 495E Advanced Research I (1-4): Designed for students conducting independent research; focus on basic data analysis, primarily descriptive statistics. Prerequisites: PSYC 321, 321L, 322, 22L, 323, 323L, consent of instructor & a minimum overall GPA of 3.00

PSYC 495F Advanced Research II (1-4): Designed for students conducting independent research; focus on commonly-used data analysis including correlations, t-tests, regressions, and ANOVAs as is appropriate to the project. Prerequisites: PSYC 321, 321L, 322, 322L, 323, 323L, consent of instructor & a minimum overall GPA of 3.00

PSYC 495G Advanced Research III (1-4): Designed for students conducting independent research; focus on complex data analysis including MANOVA, factor analysis, and survival analysis as is appropriate to the project. Prerequisites: PSYC 321, 321L, 322, 322L, 323, 323L, consent of instructor & a minimum overall GPA of 3.00

PSYC 495H Advanced Research IV (1-4): Designed for students conducting independent research; focus on preparing data for presentation including poster presentations, oral presentations, and manuscripts for publication as is appropriate to the project. Prerequisites: PSYC 321, 321L, 322, 322L, 323, 323L, consent of instructor & a minimum overall GPA of 3.00

PSYC 499 Directed Study (1-4): Limited to departmental majors with upper division standing who wish to pursue independent investigation in psychology under the direct supervision of a department faculty member. Approximately 40 hours of work per quarter per unit of credit. Prerequisite: Consent of department. Restriction: Department majors with upper division standing

UNST 404M Senior Seminar: Religion, Values and Social Responsibility (4): The senior seminar culminating the University Studies program. Analyzing religious, moral, and social issues within the student’s major program of studies, students will reflect on their own faith as they apply theoretical principles to specific problems of contemporary life. Students will integrate their values with their academic experiences and their professional aspirations by drawing on their service and knowledge. Students will examine their commitments to service as socially responsible members of their various communities. May provide service-learning credit. Prerequisite: ENGL 113 or 124. Restriction: Students must have junior or senior standing in psychology or neuroscience.
Department Faculty

Laurellé C. Warner, Chair
Assistant Professor of Social Work (2006)
MSW University of Connecticut 1989

Sibyl Beaulieu
Assistant Professor of Social Work (2007)
Coordinator of Field Education
MSW Loma Linda University 1995

Degrees offered

- Bachelor of Social Work degree

Accreditation

The undergraduate baccalaureate (BSW) degree program is fully accredited by the Council on Social Work Education.

Program Admission

Admission to the social work program requires the successful completion of SOWK 214 and SOWK 215, selected Liberal Arts courses, grade point average of 2.3, completion of the application for admission, a personal statement, self-assessment, an interview, and approval by social work faculty.

Departmental Requirements

There are three main requirements:

1. Students are expected to formally apply for admission into the social work department. After formal acceptance, they are expected to maintain a minimum GPA of 2.3 and demonstrate consistent academic progress in order to maintain their status.
2. Students are required to take a comprehensive exam during the spring quarter of their final year prior to graduation.
3. Students interested in the social work (BSW) degree are expected to obtain a broad liberal arts perspective and to take selected liberal arts courses before enrolling in professional foundation social work classes.

Preparation for teaching

Students interested in learning more about the preparation involved for teaching at the elementary and secondary levels, should refer to the Department of Curriculum and Instruction section in this bulletin.

Goals

Social work is one of the most demanded helping professions and healing arts that utilizes evidence-based practice models. Through a variety of intervention modes, social work can make positive differences in the way people shape their lives as well as how they interact with others and their environment, thus improving the quality of individual and collective experiences throughout their life span.

Social work is a practice-oriented discipline with its own independent administrative and curriculum structures. The specific goals of the undergraduate social work program are to:

4. Provide professional strengths-based ecologically oriented social work education at the baccalaureate level in the context of an accredited Christian university that values servant-leadership, activism, and the progressive nature of truth.
5. Create a program that is inclusive of and responsive to the educational needs of learners of all ages and backgrounds thereby producing entry-level generalist social workers who value the range of differences within each human diversity dimension and are fully prepared to engage in culturally responsive and competent practice with client systems at all levels - micro, mezzo and macro.
6. Infuse throughout the program the values and ethics that guide the profession thereby developing ethically principled social work practitioners who are cognizant of their strengths and areas for growth and are committed to enhancing their personal growth, professional knowledge, and skills as life-long learners.
7. Produce strengths-based ecologically oriented social workers committed to creating a just society by advocating for social and economic justice, human rights, and equality for all being mindful of and ready to respond proactively to the evolving and dynamic nature of social and societal contexts.
8. Create a climate that fosters critical thinking, an interest in scholarship and scientific inquiry, and a willingness to explore and evaluate new knowledge and understanding of our world, human behavior, and client systems.
Social Work Learning Outcomes and Core Competencies

In accordance with the Council of Social Work Education (CSWE), the Social Work Department has 10 core competencies that all of its students must demonstrate mastery in across the micro-mezzo-macro continuum. Competency-based education is an outcome performance approach to curriculum design. Competencies are measurable practice behaviors that are comprised of knowledge, values, and skills. The goal of the outcome approach is to demonstrate the integration and application of the competencies in practice with individuals, families, groups, organizations, and communities.

These competencies reflect the program’s missions and goals as well as the Council on Social Work Education (CSWE) 2008 Educational Policy Statement. It is expected that at the end of your time with us, you will be able to successfully demonstrate all of the competencies. To this end, each class will address in an explicit way specific competencies with the goal of ensuring mastering of each one by the time you are ready to graduate.

1. Identify as a professional social worker and conduct oneself accordingly.
2. Apply social work ethical principles to guide professional practice.
3. Apply critical thinking to inform and communicate professional judgments.
4. Engage diversity and difference in practice.
5. Advance human rights and social and economic justice.
7. Apply knowledge of human behavior and the social environment.
8. Engage in policy practice to advance social and economic well-being and to deliver effective social work services.
9. Respond to contexts that shape practice.
10. Engage, assess, intervene, and evaluate with individuals, families, groups, organizations, and communities.

MAJOR

Bachelor of Social Work

Work and/or life experience or portfolio credit may not be used to substitute for required major course work.

Required: 75 units (52-56 upper division), including:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>SOWK 204</td>
<td>Colloquium (3 units)</td>
</tr>
<tr>
<td>SOWK 205</td>
<td>Heritage of American Social Work</td>
</tr>
<tr>
<td>SOWK 214</td>
<td>Introduction to Social Work Practice I</td>
</tr>
<tr>
<td>SOWK 215</td>
<td>Introduction to Social Work Practice II</td>
</tr>
<tr>
<td>SOWK 252, 252L</td>
<td>Understanding Social Work Research Methods</td>
</tr>
</tbody>
</table>

Required Cognates:

- BIOL 107 (or equivalent) Human Biology
- MATH 155 (or equivalent) Introductory Statistics
- PSYC 104 General Psychology

Plus, one SOCI course

Recommended:

- ECON 254 Principles of Macroeconomics
- ECON 255 Principles of Microeconomics
- HPSC 106 Race, Ethnicity, and Class in American History
- MGMT 304 Management and Organizational Behavior
- PSYC 304 Social Psychology
- PSYC 314 Psychology of Gender
- SOCI 307 Diversity in America
- SOCI 414 The Family
- SOCI 418 Sexual Behavior and Gender Roles

- A Spanish minor (28 units) is recommended, including SPAN 329 Advanced Spanish Grammar; and one literature course. Any of the summer abroad programs is strongly recommended. (See the Department of World Languages listing for more information.)
COURSES

A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.

LOWER DIVISION

SOWK 204 Colloquium: A seminar of selected topics related to generalist social work practice. Three units are required. Students are recommended to take courses sequentially, fall, winter, and spring.

SOWK 204A Introduction to Social Work (1): Colloquium fall quarter introduces the student to the social work program.

SOWK 204B Fields of Practice (1): The winter quarter colloquium examines the fields of social work practice.

SOWK 204C Case Management (1): Colloquium spring quarter focuses on case management.

SOWK 205 Heritage of American Social Work (4): Analysis of historical development of the social welfare system within the context of economic, political, religious, and sociocultural influence of each period; implications for social welfare services and policies; and historical development of the social work profession, casework, group work, and community organization.

SOWK 214 Introduction to Social Work Practice I (4): Study of theory and principles of generalist social work practice within an ecological framework. Special attention given to the strength-empowerment and solution-focused perspectives. Introduction to the generalist intervention model across the micro, mezzo, macro continuum. Introduction to professional social work values and to ethics and issues of diversity underlying generalist practice.

SOWK 215 Introduction to Social Work Practice II (4): Continuation of SOWK 214 with an emphasis on generalist engagement, assessment, planning, intervention, evaluation, termination, and follow-up across the micro, mezzo, macro continuum. Special attention given to bio-psychosocial spiritual assessment, child neglect/abuse assessment, suicide assessment, crisis intervention, and content on diversity, oppression, and social justice. Students participate in optional service learning. Prerequisite: SOWK 214

SOWK 252/252L Understanding Social Work Research Methods (4): Introduction to basic research concepts, approaches to research design, and statistical methods of data analysis using SPSS. The course emphasis will be on the importance of evidence-based social work practice. Prerequisite: MATH 155. Restriction: Only for social work majors or students who have received consent of the instructor

SOWK 286 Special Topics (2-3): Topics of current interest in the field of social work. Each course covers the historical development, central theories, generalist practice assessment and interventions, and policy issues related to that specific topic. Different sections may be repeated for additional credit.

SOWK 286A Substance Abuse (2-3): This course covers the historical development, central theories, policy issues, and social work generalist practice assessment and interventions related to substance abuse. It offers students an opportunity to examine in more depth this topic of interest, which is relevant to the social work field. The course examines substance abuse issues from a systems perspective, exploring how the abuse of substances affects the individual, the family, and the larger community.

SOWK 286B Gerontology (2-3): This course is an introduction to the study of gerontology, and gerontological social work. It examines the bio-psychosocial spiritual dynamics of elders using a life span development model. The course considers the impact of economics, politics, and social policies on the daily lives of today's aging population. A variety of ethnic, racial, regional, and other diverse elder populations will be discussed. The importance of informal support systems and formal supportive services that exist to serve this population, as well as gaps in these services, will be examined. Intervention strategies from a solution focused, strength, empowerment perspective will be explored across the micro, mezzo, macro continuum.

SOWK 286E Juvenile Justice (2-3): This course overviews the American corrections system. It covers central theories, social work generalist practice and current issues related to juvenile justice.

SOWK 299 Directed Study (1-4): Directed study option to meet the special needs of an individual student. Prerequisites: Department faculty and chair approval

UPPER DIVISION

SOWK 311 Human Behavior and the Social Environment I (4): Apply a holistic model for the understanding of human development and behavior from prenatal through adolescence by drawing on a number of theories. Explore patterns of normative and abnormal development and behaviors across the pre-natal through adolescent lifespan. Focus on the biopsychosocial and spiritual factors affecting individuals, families, groups, and communities; and develop the ability to apply the generalist intervention model across the micro, mezzo, macro continuum. Emphasis on diversity issues such as gender, race, and socio-economic status. Prerequisites: SOWK 214 or consent of the instructor
SOWK 312 Human Behavior and the Social Environment II (4): Apply a holistic model for the understanding of human development and behavior from young adulthood through senescence, including death and dying, by drawing on a number of theories. Explore patterns of normative and abnormal development and behaviors across the lifespan. Focus on the biopsychosocial and spiritual factors affecting individuals, families, groups, and communities, and develop the ability to apply the generalist intervention model across the micro, mezzo, macro continuum. Emphasis on diversity issues such as gender, race, and socio-economic status. Prerequisites: SOWK 214, 311 & consent of the instructor

SOWK 314 Social Work Methods: Generalist Practice with Individuals (4): Application of generalist practice to working with individuals. Professional skill development in utilizing effective techniques of worker-client communication; structuring helping interviews; and establishing, maintaining, and terminating effective working relationships within a generalist model. Special attention is given to legal and ethical issues, case recording, and working with diverse populations. Required of all social work majors during spring quarter of the junior year. Prerequisites: SOWK 214, 215, 311, 312 & consent of the instructor

SOWK 315 Social Work Methods: Generalist Practice with Groups (4): Application of generalist practice to working with groups. Historical overview of group work and introduction to major theories about group dynamics; emphasis on group development and stages; introduction to interventions with groups. Prerequisites: SOWK 214, 215 & consent of the instructor

SOWK 316 Social Work Methods: Generalist Practice with Communities and Organizations (4): Application of generalist practice to working with communities and organizations. Exploration of the theoretical foundations of community organization as a focus of social work intervention; identification, analysis, and evaluation of community problems; understanding the concepts of power, social policy, social change, and the community as a social system; introduction to and comparison of community organization strategies. Emphasis on serving the vulnerable and oppressed in our society. Students participate in service-learning. Prerequisites: SOWK 214 & consent of the instructor

SOWK 317 Social Work Methods: Generalist Practice with Children and Families (4): Application of generalist practice to working with children and families within a systemic and developmental framework; introduction to primary stressors and problems affecting families; study of interventions which target transactions between families and other social systems; examination of diverse family systems and macro influences; brief introduction to family policy. Prerequisites: SOWK 214, 215, 311, 312 & consent of the instructor. Restriction: Senior standing

SOWK 324 Child Welfare (4): A survey of services for children with an emphasis on the resources that affect the well-being of children and youth. The impact of class, ethnicity, gender, oppression, and abuse on children's potential will be addressed. Emphasis will be given to understanding the systems affecting children and the resources available to them through government and private agencies. Offered alternate years. Prerequisites: SOWK 214, 215, 311 & consent of the instructor

SOWK 349/349L Generalist Social Work Research Methods (5): Students employ research methods learned in SOWK 252 and write a research paper reporting data analysis outcomes. Students may collect small-scale original data or use existing secondary data relating to a broad range of social work issues. Prerequisite: SOWK 252. Restriction: Only for social work majors or students who have received consent of the instructor

SOWK 386 Special Topics: Topics of current interest in the field of social work. Each course covers the historical development, central theories, generalist practice assessment and interventions, and policy issues related to that specific topic. Different sections may be repeated for additional credit.

SOWK 386A Mental Health (2-3): This course is designed to introduce students to concepts of mental health and mental illness and to provide students with a beginning understanding of the etiology and treatment of mental illness. Within this context, students will learn how different theoretical models lead to different intervention approaches. Students will receive an overview of the major mental disorders and will develop a working knowledge of the DSM. A primary purpose of this course is to introduce students to social work interventions with persons with mental illness. Prerequisites: SOWK 214, 215 & consent of the instructor

SOWK 386B Medical Social Work (2-3): This course covers the historical development, central theories, policy issues, and social work generalist practice assessment and interventions related to social work and health care. Students learn about different areas of the health field in which social workers play a role and also how to analyze cases for need assessments in a critical care setting with time limits and crisis intervention. Prerequisites: SOWK 214, 215 & consent of the instructor

SOWK 388 Field Practicum Orientation (1): Introduction to the concepts, components, and expectations of the senior field practicum. Assessment of student interests, skills, and suitability for placement in the practicum. Emphasis on interviewing, selecting, and securing an appropriate field placement. Required of all social work majors during spring quarter of the junior year. Prerequisites: SOWK 214, 215, 311 & 312
SOWK 405 Social Welfare Policy (4): Systematic analysis of major social problems of the modern world and the formulation of social policies, including social welfare policies, that influence social issues on all levels of society from individuals to communities and nations. Emphasis on policies and legislation relevant to the vulnerable and oppressed in our society. Students participate in service learning. Prerequisite: SOWK 205

SOWK 488 Field Seminar (2, 2, 2): Integration of social work knowledge, skills, and values with the field practicum. Application of the role of the generalist social work practitioner to multilevel client systems, agencies, and the profession. Required each quarter of the senior year. Must be taken consecutively fall, winter, and spring quarters. Prerequisites: SOWK 214, 215, 311, 312, 314, 388; concurrent enrollment in SOWK 498; successful completion of previous quarter; completion of major admissions procedures; senior standing; & consent of the field coordinator

SOWK 498 Field Practicum (4, 4, 4): Internship program involving generalist practice with clients in local service agencies; application of generalist social work practice skills. Must be taken consecutively fall, winter, and spring quarters. Prerequisites: SOWK 214, 215, 311, 312, 314, 388; concurrent enrollment in SOWK 488; successful completion of previous quarter; completion of major admissions procedures; senior standing; and consent of the field coordinator. Recommended: SOWK 315 & 317

SOWK 499 Directed Study (1-4): An upper division directed study option to meet the special needs of an individual student. Prerequisites: Department faculty and chair approval

UNST 404P Senior Seminar: Religion, Values and Social Responsibility in Social Work (4): Capstone course integrates the baccalaureate experience into a coherent whole. Students explore significant social work issues, bringing their experience and knowledge to bear on the interaction of their values and skills within the major. In this integrative experience, students take the senior comprehensive exam. Restriction: Only for social work majors with senior standing
Department of World Languages

Department Faculty

Lourdes E. Morales-Gudmundsson, Chair
Professor of Spanish (1995)
PhD Brown University 1981
Spanish renaissance and contemporary Spanish American literature

Esther Saguar Sierra
Assistant Professor of Spanish (1997)
MA Universidad de Valencia 1984
Philology, Spanish language and literature

Collaborating Faculty

Ruth E. Burke
Associate Professor of French and German (1975-1989, 2003)
PhD University of California 1984
Comparative literature

Myrtha E. Rhys Pizarro
Professor of Spanish (1990)
EdD Loma Linda University, 1985
Foreign language teaching methodology, psychology of learning

Degrees Offered

- Bachelor of Arts degrees in Spanish
- Minors in French, German, Italian, Portuguese & Spanish

Adventist Colleges Abroad

In cooperation with Adventist Colleges Abroad, the department offers to both the student majoring in language and to the general college student the privilege of study abroad without losing credits or necessarily lengthening the course of study. Students who carefully plan their program with the department and their assigned advisor may earn full credit for study at any of the overseas schools listed under Adventist Colleges Abroad in this Bulletin. Students enter this program for three quarters (nine months) beginning in September. To be eligible, the student must be admitted to La Sierra University. Although enrolled overseas, students are registered at this University; are considered in residence; and are eligible for scholarships, loans, and grants offered by the University. Credit earned is recorded each quarter by the Office of the Registrar.

For more information concerning this program and its offerings, refer to the Adventist Colleges Abroad listing immediately following the Department of World Languages information in this bulletin.

Preparation for Teaching

Students interested in learning more about the preparation involved for teaching at the elementary and secondary levels, should refer to the Department of Curriculum and Instruction section in this bulletin.

Mission Statement

Because communication through language is a God-given gift, reflects the fundamental values of a culture, and lies at the heart of human experience, the Department of World Languages is dedicated to equipping both the general student and the language major linguistically, culturally, and intellectually to communicate effectively in and about languages and literatures other than English in a pluralistic American society and abroad. (See American Council for the Teaching of Foreign Languages Standards for Foreign Language Learning in the 21st Century, Lawrence, KS: Allen Press, 2006: 7.)

Objectives

Through service learning and the department's summer and year abroad programs in collaboration with Adventist Colleges Abroad, students enrolled in language acquisition courses gain oral proficiency and cultural awareness to meet the University's language requirement. Students in the major program develop scholarship essential for teaching and for graduate study while acquiring skills in analytical thinking and understanding of cultural diversity.

World Languages Learning Outcomes

Students will be able to:

1. Engage in conversations, provide and obtain information, express feelings and emotions, and exchange opinions in the target language.
2. Understand and interpret written and spoken language on a variety of topics in the target language.
3. Present information, concepts, and ideas to an audience of listeners or readers on a variety of topics.
4. Demonstrate an understanding of the relationship between the practices and perspectives of the cultures of the target language.
5. Demonstrate an understanding of the relationship between the products and perspectives of the cultures of the target language.
6. Reinforce and further their knowledge of other disciplines through the study of the target language.
7. Acquire information and recognize the distinctive viewpoints that are only available through the target language and culture.
8. Demonstrate understanding of the nature of language through comparisons of the target language with their own.
9. Demonstrate understanding of the concept of culture through comparisons of the target culture with their own.
10. Use the target language both within and beyond the school setting.
11. Show evidence of becoming life-long learners by using the target language for personal enjoyment and enrichment.

**Department Summer Programs**

A list of possible course offerings in conjunction with the departmental summer programs are offered at the end of the Department of World Languages section in this bulletin.

**Summer World Language Courses**

During the summer months, the World Languages Department offers a number of world languages in an intensive six-week format. Courses will be offered in the evening and will be open to students, university community, as well as the community at large. Consult the current summer school schedule for details.

**ACA Summer Programs**

Six-week summer programs are also available through the Adventist Colleges Abroad schools located in Argentina, Austria, Brazil, Greece, Italy, Japan, Mexico, Spain, Thailand, and the Ukraine. (For additional information, see the “Adventist Colleges Abroad” section listed immediately after the Department of World Languages listing.)

**MAJOR**

**Bachelor of Arts**

**SPANISH**

The Spanish major is offered jointly through La Sierra University and the Adventist Colleges Abroad (ACA) schools in Argentina and Spain. Students wishing to declare the Spanish major must take the Spanish Placement Test administered by the Department of World Languages. The year abroad is required for all majors, except those who can give evidence of having completed secondary school studies in their native Spanish-speaking country in Latin America or Spain. For exact credit equivalencies from the ACA programs in Argentina or Spain for the Spanish major, consult with the World Language Department.

Required: 52 units minimum (48 upper division) including:

- The following courses
- 3 terms abroad (Year abroad may be waived with evidence of having completed secondary level studies in the student’s native Spanish-speaking country)

**4 units in preparatory courses, choose from:**

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>SPAN 202</td>
<td>Intermediate Spanish II -OR-</td>
</tr>
<tr>
<td>SPAN 213</td>
<td>Spanish for Spanish Speakers</td>
</tr>
</tbody>
</table>

**Plus, 22 units in upper division language/literature/linguistics courses, as follows:**

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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>SPAN 312</td>
<td>Advanced Spanish Reading and Composition</td>
</tr>
<tr>
<td>SPAN 329</td>
<td>Advanced Spanish Grammar</td>
</tr>
<tr>
<td>SPAN 334</td>
<td>Applied Spanish Linguistics</td>
</tr>
<tr>
<td>SPAN 426</td>
<td>Spanish Civilization</td>
</tr>
<tr>
<td>SPAN 428</td>
<td>Spanish-American Civilization</td>
</tr>
<tr>
<td>WDLG 495</td>
<td>Research (2 units)</td>
</tr>
</tbody>
</table>

**Plus, 26 units of upper division elective courses in Spanish language/literature/linguistics chosen from the following:**

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<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>SPAN 307</td>
<td>Advanced Spanish Language Proficiency</td>
</tr>
<tr>
<td>SPAN 318</td>
<td>Introduction to Literature</td>
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<tr>
<td>SPAN 347</td>
<td>Peninsular Spanish Literature</td>
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<td>SPAN 348</td>
<td>Spanish-American Literature 1492-1888</td>
</tr>
<tr>
<td>SPAN 417</td>
<td>Translation and Interpretation</td>
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<tr>
<td>SPAN 468</td>
<td>Themes: Contemporary Spanish Literature: XXth Century</td>
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<tr>
<td>SPAN 469</td>
<td>Themes: Contemporary Latin American Literature: XXth Century</td>
</tr>
<tr>
<td>SPAN 499</td>
<td>Directed Study (2-4 units)</td>
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</tbody>
</table>
*These classes taken in Argentina or Spain will substitute for the La Sierra University class. Students may take any of the sequences indicated with an asterisk (*), but must take a minimum of 4 units of credit in order for the ACA course(s) to count as equivalent to the 4-unit La Sierra University course.

Required Cognates:

- 4 units from Latin American or European history
- 4 units from history/appreciation of art/music; OR
- WDLG 265 (3, 3, 3)

Strongly Recommended:

- Second foreign language through intermediate level II (202)

Courses Abroad that Apply to the Major

Courses listed below that substitute for a required course cannot also count as a major elective.

**LANGUAGE PROFICIENCY COURSES**

**Argentina:**
- SPAN 351-53/451-53 Advanced Spanish Grammar (12)
- SPAN 361-63/461-63 Advanced Spanish Composition (6)
- SPAN 371-71/471-73 Advanced Spanish Conversation (6)
- SPAN 326-27/422-23 Translation and Interpretation (4)

**Spain:**
- SPAN 351-51/451-53 Advanced Spanish Grammar (12)
- SPAN 361-63/461-63 Advanced Spanish Composition (9)
- SPAN 371-73/471-73 Advanced Spanish Conversation (12)
- SPAN 421-423 Translation and Interpretation (6)
- SPAN 341-343 Prep for D.E.L.E.-D.B.E. Diploma (3)
- SPAN 441-443 Prep for D.E.L.E.-D.S.E. Diploma (3)

**LITERATURE COURSES**

**Argentina:**
- SPAN 322-333 Latin American Literature (6)

**Spain:**
- SPAN 331-333 History of Spanish Literature (6)

**CIVILIZATION/CULTURE COURSES**

**Argentina:**
- SPAN 301-303 Folklore of Argentina (6)
- SPAN/GEOG 306 Geography of Argentina (2)
- SPAN 381-382 Current Events in South America (2)
- SPAN 342, 343 History of Argentina (4)

**Spain:**
- SPAN 315-317 History of Spain and Europe (6)
- SPAN 312-313 Spain and it’s Culture (4)

**MINORS**

A minor in a modern foreign language may not include courses numbered 151, 152, or 153.

**SPANISH**

The Spanish minor can be taken either on the La Sierra University campus or through the Adventist Colleges Abroad full year programs located in Argentina or Spain.

The Spanish minor is recommended for Social Work majors. Any of the summer abroad programs in Spanish is strongly recommended. (See Department of Social Work for more details.)

**On-Campus:**
- 28 units including SPAN 201 & 202 (or 213), SPAN 307, SPAN 329, & one literature

**Through ACA:**
- 28 units in 300-level Spanish courses (includes 201 and 202)

**OTHER LANGUAGE MINORS:**

A minor in French, German, Italian, or Portuguese is also available through the Adventist Colleges Abroad year-long program and La Sierra University. No previous language study is required.

**French**
- 28 units in French courses at the intermediate level or higher or the Alliance Française Language Diploma

**German:**
- 28 units in German courses at the intermediate level or higher or the Zertifikat Deutsch als Fremdsprache (Germany) or the Zertifikat Deutsch-ZD (Austria)

**Italian:**
- 28 units in Italian courses at the intermediate level or higher
COURSES

A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.

Students may not register for any lower division foreign language courses without taking the corresponding foreign language placement exam.

General

LOWER DIVISION

WDLG 151, 152, 153 Selected Beginning Language I, II, III (4, 4, 4): The study of the fundamental structure of a language other than those designated with a specific La Sierra University prefix. Audio, video, and computer exercises reinforce materials studied in class. May be repeated for credit provided a different language is chosen. This difference will be indicated by the letters following the course number. These courses include a language lab requirement. Prerequisite: Selected language placement test

WDLG 201, 202, 203 Selected Intermediate Language I, II, III (4, 4, 4): Continuation of the study of a selected language, with emphasis on oral and written composition reinforced by oral drills, audio, video, and computer exercises. May be repeated for credit with a different language. These courses include a language lab requirement. Prerequisite: Selected language placement test

WDLG 213 Language for Heritage Speakers (4): A course designed for native speakers of a language other than English. Language development in the areas of vocabulary building, writing, and reading. Prerequisite: Language placement test (if available) or instructor’s permission

WDLG 265 Lingua Domus (3, 3, 3): A residential language learning program linked to one of the languages offered through the Department of World Languages. Open to students who have reached the low advanced level, according to the ACTFL Guidelines. Eligible students are accepted for a minimum full year of residence. Prerequisite: Consent of the instructor

WDLG 299 Directed Study (1-4): A course that provides a flexible format in which to pursue further language acquisition and fluency through a variety of activities suited to the student’s needs and goals. Prerequisite: Consent of the instructor

The following classes will be offered periodically:
GRMN 151, 152, 153 Beginning German I, II, III (4, 4, 4)
ITLN 151, 152, 153 Beginning Italian I, II, III (4, 4, 4)

UPPER DIVISION

WLDG 401 Foreign Language Teaching Methodologies (4): A course designed for second language majors. Includes an introduction to applied linguistics, an overview of the different methodologies applied to the acquisition of a second language, the phenomena of contrastive analysis, error analysis, and other factors involved in second language acquisition. These theories and phenomena are applied to the teaching of specific grammar points that may present difficulty for the second language learner.

WDLG 425 Culture and Civilization (4): An overview of a civilization other than an English-speaking one. Themes include geography, peoples, historical periods and important events, literature, art, architecture, music, and unique contributions to world culture. May be repeated with new content for additional credit.

WDLG 437 Masterpieces of Literature (4): A study of masterpieces of the literatures produced by cultures other than English-speaking ones. Focused on major works and authors, their characteristics, themes, and contributions to world culture. May be repeated with new content for additional credit.

WDLG 445 International Language Colloquium (2): A seminar-type class dedicated to the study of cross-cultural issues interfacing with world languages, literatures, and/or civilizations. May be repeated with new content for additional credit.

WDLG 495 Research (2-4): Students will conduct research concerning a non-English world language/culture or literature. This class is required for all department majors. An oral report of the research will be presented to the students and staff of the department. Restriction: Research topics must be approved by the department faculty by the end of the junior year and completed in written form prior to the final quarter of the senior year

WDLG 496 Workshops in World Language (1-4): Workshops on various topics relating to non-English language acquisition, culture, civilization, or linguistics. May be repeated with new content for additional credit.

WDLG 499 Directed Study (1-4): In-depth independent research and writing in some area of a non-English world language/culture or literature.

Arabic

LOWER DIVISION

ARAB 151 Beginning Arabic I (4): A collegiate-level beginning course in the study of the language and culture of Arabic-speaking peoples through the use of audio/video tapes, computer software, and/or drills. Designed for students who have never studied Arabic. There is a language lab requirement for this course. Prerequisite: Arabic placement test
ARAB 152 Beginning Arabic II (4): A second-level beginning course in the study of the language and culture of Arabic-speaking peoples through the use of audio/video tapes, computer software, and/or drills. There is a language lab requirement for this course. **Prerequisite:** Arabic placement exam or a grade of C or better in ARAB 151

ARAB 153 Beginning Arabic III (4): A third-level beginning course in the study of the language and culture of Arabic-speaking peoples through the use of audio/video tapes, computer software and/or drills. There is a language lab requirement for this course. **Prerequisite:** Arabic placement exam or a grade of C or better in ARAB 152

CHINESE

CHIN 151 Beginning Chinese I (4): A collegiate-level beginning course in the study of the language and culture of Chinese-speaking peoples through the use of audio/video tapes, computer and online resources, and/or drills. Designed for beginning students with no background in the language. There is a language lab requirement for this course. **Prerequisite:** Chinese placement test

CHIN 152 Beginning Chinese II (4): The second level of a beginning course in the study of the language and culture of Chinese-speaking peoples through the use of audio/video tapes, computer and online resources, and/or drills. There is a language lab requirement for this course. **Prerequisite:** Chinese placement test or a grade of C or better in CHIN 151

CHIN 153 Beginning Chinese III (4): The third level of a beginning course in the study of the language and culture of Chinese-speaking peoples through the use of audio/video tapes, computer and online resources, and/or drills. There is a language lab requirement for this course. **Prerequisite:** Chinese placement test or a grade of C or better in CHIN 152

FRENCH

FREN 151 Beginning French I (4): A collegiate-level beginning course in the study of the language and culture of French-speaking peoples through the use of audio/video tapes, computer software, and/or drills. There is a language lab requirement for this course. **Prerequisite:** French placement test

FREN 152 Beginning French II (4): A second-level beginning course in the study of the language and culture of French-speaking peoples through the use of audio/video tapes, computer software, and/or drills. There is a language lab requirement for this course. **Prerequisite:** French placement test or a grade of C or better in FREN 151

FREN 153 Beginning French III (4): A third-level beginning course in the study of the language and culture of French-speaking peoples through the use of audio/video tapes, computer software and/or drills. There is a language lab requirement for this course. **Prerequisite:** French placement test or a grade of C or better in FREN 152

FREN 201 Intermediate French I (4): A first-level intermediate course in the study of the language and culture of French-speaking peoples with emphasis on conversation, composition, vocabulary building, and culture-based discussions. There is a language lab requirement for this course. **Prerequisite:** French placement test or a grade of C or better in FREN 153

FREN 202 Intermediate French II (4): A second-level intermediate course in the study of the language and culture of French-speaking peoples with emphasis on conversation, composition, vocabulary building, and culture-based discussions. There is a language lab requirement for this course. **Prerequisite:** French placement test or a grade of C or better in FREN 201

FREN 203 Intermediate French III (4): A high intermediate continuation of the study of the language and culture of the Francophone peoples with emphasis on conversation, composition, vocabulary building, and non-guided discussions. There is a language lab requirement for this course. **Prerequisite:** French placement test or a grade of C or better in FREN 202

FREN 299 Directed Study (1-4): A course that provides a flexible format in which to pursue further language acquisition and fluency through a variety of activities suited to the student’s needs and goals. **Prerequisite:** Consent of the instructor

FREN 307 Advanced Language Proficiency (4): Speaking, listening, and reading exercises that are designed to bring students with intermediate competencies to an advanced level of proficiency. Emphasis on comprehension and verbal fluency. May be repeated for additional credit to a maximum of 8 units. **Prerequisite:** FREN 202 or 203

FREN 499 Directed Study (1-4): Involves in-depth independent research and writing in some area of French language/culture or literature. **Prerequisite:** FREN 202
Italian

LOWER DIVISION

ITLN 151 Beginning Italian I (4): A collegiate-level beginning course in the study of language and culture of Italian-speaking peoples through the use of in-class, computer, and online resources and/or drills. Designed for beginning students with no background in the language. There is a language lab requirement for this course.

ITLN 152 Beginning Italian II (4): The second level of a beginning course in the study of the language and culture of Italian-speaking peoples through the use of in-class, computer, and online resources and/or drills. There is a language lab requirement for this course. Prerequisite: A grade of C or better in ITLN 151

ITLN 153 Beginning Italian III (4): The third level of a beginning course in the study of the language and culture of Italian-speaking peoples through the use of in-class, computer, and online resources and/or drills. There is a language lab requirement for this course. Prerequisite: A grade of C or better in ITLN 152

Spanish

LOWER DIVISION

SPAN 151 Beginning Spanish I (4): A collegiate-level beginning course in the study of the language and culture of Spanish-speaking peoples through the use of audio/video tapes, computer software, and/or drills. There is a language lab requirement for this course. Prerequisite: Spanish placement test

SPAN 152 Beginning Spanish II (4): The second level of a beginning course in the study of the language and culture of Spanish-speaking peoples through the use of audio/video tapes, computer software, and/or drills. Designed for students who have had at least 2 years of high school Spanish or equivalent. There is a language lab requirement for this course. Prerequisite: Spanish placement test or a grade of C or better in SPAN 151

SPAN 152M Spanish for Medical Personnel (4): A collegiate-level beginning course in the study of the language and culture of Spanish-speaking peoples with an emphasis on practical language use in health and medical settings. Designed for students who have had SPAN 151 or equivalent. There is a language lab requirement for this course. Prerequisite: Spanish placement test or a grade of C or better in SPAN 151

SPAN 153 Beginning Spanish III (4): The third level of a beginning course in the study of the language and culture of Spanish-speaking peoples through the use of audio/video tapes, computer software, and/or drills. There is a language lab requirement for this course. Prerequisite: Spanish placement test score or a grade of C or better in SPAN 152

Japanese

LOWER DIVISION

JAPN 151 Beginning Japanese I (4): A collegiate-level beginning course in the study of language and culture of Japanese-speaking peoples through the use of audio/video tapes, computer and online resources, and/or drills. Designed for beginning students with no background in the language. There is a language lab requirement for this course. Prerequisite: Japanese placement test

JAPN 152 Beginning Japanese II (4): The second level of a beginning course in the study of the language and culture of Japanese-speaking peoples through the use of audio/video tapes, computer and online resources, and/or drills. There is a language lab requirement for this course. Prerequisite: Japanese placement test or a grade of C or better in JAPN 151

JAPN 153 Beginning Japanese III (4): The third level of a beginning course in the study of the language and culture of Japanese-speaking peoples through the use of audio/video tapes, computer and online resources, and/or drills. There is a language lab requirement for this course. Prerequisite: Japanese placement test or a grade of C or better in JAPN 152

Korean

LOWER DIVISION

KORE 151 Beginning Korean I (4): A collegiate-level beginning course in the study of language and culture of Korean-speaking peoples through the use of audio/video tapes, computer and online resources, and/or drills. Designed for beginning students with no background in the language. There is a language lab requirement for this course. Prerequisite: Korean placement test

KORE 152 Beginning Korean II (4): The second level of a beginning course in the study of the language and culture of Korean-speaking peoples through the use of audio/video tapes, computer and online resources, and/or drills. There is a language lab requirement for this course. Prerequisite: Korean placement test or a grade of C or better in KORE 151

KORE 153 Beginning Korean III (4): The third level of a beginning course in the study of the language and culture of Korean-speaking peoples through the use of audio/video tapes, computer and online resources, and/or drills. There is a language lab requirement for this course. Prerequisite: Korean placement test or a grade of C or better in KORE 152
**SPAN 153M Spanish for Medical Personnel (4):** A continuation of the collegiate-level beginning course in the study of the language and culture of Spanish-speaking peoples with an emphasis on practical language usage in health and medical settings. Designed for students who have had SPAN 152M or equivalent. There is a language lab requirement for this course. **Prerequisite:** Spanish placement test or a grade of C or better in SPAN 152M

**SPAN 201 Intermediate Spanish I (4):** A first-level intermediate continuation of the study of the language and culture of Spanish-speaking peoples with emphasis on conversation, composition, vocabulary building, and culture-based discussions. There is a language lab requirement for this course. **Prerequisite:** Spanish placement test or a grade of C or better in SPAN 153 or SPAN 153M

**SPAN 202 Intermediate Spanish II (4):** A middle intermediate continuation of the study of the language and culture of Spanish-speaking peoples with emphasis on conversation, composition, vocabulary building, and culture-based discussions. There is a language lab requirement for this course. **Prerequisite:** Spanish placement test or a grade of C or better in SPAN 201

**SPAN 203 Intermediate Spanish III (4):** A high intermediate continuation of the study of the language and culture of the Spanish-speaking peoples with emphasis on conversation, composition, vocabulary building, and non-guided discussions. There is a language lab requirement for this course. **Prerequisite:** Spanish placement test or a grade of C or better in SPAN 202

**SPAN 299 Directed Study (1-4):** A course that provides a flexible format in which to pursue further language acquisition and fluency through a variety of activities suited to the student's needs and goals. **Prerequisite:** Consent of the instructor

**UPPER DIVISION**

**LANGUAGE AND CULTURE**

**SPAN 307 Advanced Spanish Language Proficiency (4):** Exercises in listening, speaking, and reading that are designed to bring students with intermediate competencies to an advanced level of proficiency. Emphasis on comprehension and verbal fluency. May be repeated for additional credit to a maximum of 8 units. **Prerequisite:** SPAN 203 or 253 (ACA)

**SPAN 312 Advanced Spanish Reading and Composition (4):** Practice in writing through reading of journalistic, poetic, and creative prose writing. Organization of content as well as punctuation, accenting, and spelling are studied and practiced. **Prerequisite:** SPAN 203 or 253 (ACA)

**SPAN 329 Advanced Spanish Grammar (4):** A study of the characteristics of grammatical forms and their functions. Includes an introduction to Spanish syntax. **Prerequisite:** SPAN 307

**SPAN 334 Applied Spanish Linguistics (4):** A study of the principles of Spanish phonology and phonetics. Studies the linguistic history and the sound structure of the Spanish language. Includes a comparative analysis of English and Spanish phonetic systems. **Prerequisite:** SPAN 329

**SPAN 417 Translation and Interpretation (4):** Practice in applying the principles of effective written translation to the translating of selected contemporary essays, short stories, and journalistic writing. Includes practice in the methods of oral interpretation. **Prerequisite:** SPAN 329

**SPAN 426 Spanish Civilization (4):** A study of Spanish civilization that traces influences, characteristics, and contributions to Western civilization. **Prerequisite:** SPAN 307

**SPAN 428 Spanish-American Civilization (4):** A study of Spanish-American civilization that traces influences, characteristics, and contributions to Western civilization. **Prerequisite:** SPAN 307

**LITERATURE**

**SPAN 318 Introduction to Literature (4):** An introduction to the genres and vocabulary of literature studies. Students will read and discuss works from Spanish and Spanish-American literature. Includes notions of rhetoric, literary theories, and literary analysis. **Prerequisite:** SPAN 307 or a year abroad

**SPAN 347 Peninsular Spanish Literature (4):** A survey of representative creative works of Spain from the Middle Ages through the 19th century. Offered alternate years. **Prerequisite:** SPAN 307 or a year abroad

**SPAN 348 Spanish-American Literature 1492-1888 (4):** A survey of Spanish-American literature from Pre-Columbian literature through Pre-Modernismo (XIXth century). Students will do readings, listen to lectures, participate in group or class discussions, make oral presentations, written reports, and create one final critical essay on one short novel. This course will be conducted entirely in Spanish and is designed for students who have an advanced level of proficiency in listening and speaking, reading and writing the Spanish language. **Prerequisite:** SPAN 307 or a year abroad

**SPAN 365 Cervantes and Don Quixote (4):** A reading of Miguel de Cervantes's classic work, Don Quixote of La Mancha, in the context of XVIIth century Spain. Themes relating to reality vs. fiction, tradition vs. modernity, honor, humor, and others will be explored in class discussions and papers. This course is taught in English. Spanish majors will do their reading and writing in Spanish. Offered alternate years. **Prerequisite:** ENGL 113 or 124

**SPAN 380 Peninsular Spanish Literature Through Cinema (4):** A study of representative literary works of Spain from the Middle Ages through the 19th century with cinematic representations. Readings and films based on short stories, theater, the novel, and poetry as well as non-fiction. This course conducted entirely in Spanish. Offered alternate years. **Prerequisite:** SPAN 307 or consent of the instructor
SPAN 468 Themes: Contemporary Spanish Literature: XXth Century (4): A survey of representative authors and works from the late XIXth century Spanish literary movements through the late XXth century. Students will read selected works in the textbook, listen to lectures, participate in group or class discussions, make oral presentations, written reports, and create one final critical essay on one whole work. This course will be conducted entirely in Spanish and is designed for students who have an advanced level of proficiency in listening and speaking, reading and writing the Spanish language. Offered alternate years. Prerequisite: SPAN 307 or a year abroad

SPAN 469 Themes: Contemporary Latin American Literature: XXth Century (4): A survey of representative authors and works from Latin American Modernismo (late XIXth century) to the late twentieth century. Students will read selected works in the textbook, listen to lectures, participate in group or class discussions, make oral presentations, written reports, and create one final critical essay on one work. This course will be conducted entirely in Spanish and is designed for students who have an advanced level of proficiency in listening and speaking, reading and writing the Spanish language. Offered alternate years. Prerequisite: SPAN 307 or a year abroad

GENERAL

SPAN 499 Directed Study (1-4): Involves in-depth independent research and writing in some area of language and culture or of literature.
Mission

The La Sierra University Zapara School of Business develops leaders who create value and make a difference and enlarge human understanding of business and society.

To fulfill this mission, the School:

- delivers a curriculum that stimulates creativity; reflects La Sierra’s Seventh-day Adventist Christian mission; and encourages moral responsibility, spiritual growth, collaboration, and economic and social entrepreneurship;
- challenges students to redefine business and raise global living standards by building innovative products, markets, and organizations;
- supports a co-curricular program that offers students distinctive opportunities to grow as leaders, develop business skills, and engage in global service; and
- encourages faculty members and students to engage in wide-ranging creative, intellectual inquiry validated through professional practice and publication in scholarly books and journals.

Expression of the Mission

Responsible work in God’s world will always have two dimensions: the struggle for social justice and the enrichment of creaturely life. Liberation and development go hand in hand; and each is an integral part of the mission of the School of Business. It is committed to fostering God’s shalom—wholeness, fulfillment, and justice in community.

The School’s curricula emphasize workplace spirituality, social entrepreneurship, and ethics. The focused study of these themes as part of the business curriculum fosters intellectual development and expands students’ moral and spiritual horizons. Service-learning activities simultaneously express its commitments to excellence in the School’s areas of distinctive competence and provide students with the chance to develop appropriate habits and skills.

The School intends to foster a commitment to humane patterns of work life; proactive moral action; acknowledgment of special responsibilities to employees, local communities, and other stakeholders; socially conscious investment; recognition of the value of life outside the workplace; and creative social entrepreneurship on behalf of hurting people. The School encourages its students and other constituents to embody excellence and image God’s creativity—to create value, to foster human flourishing and offer people new opportunities for comfort, beauty, insight, enjoyment, and health.

The School recognizes the importance of business education in cultivating the development of students as whole persons. It educates students—its own majors and others—for active citizenship by assisting in their moral development, facilitating their awareness of culture, and helping them to integrate their work and the rest of their lives. It challenges them to understand work as a potential vocation, a unique responsibility they can receive as a gift from God and an opportunity for service.

Service is central to the ZSB curriculum. By directly assisting people in need, engaging in social entrepreneurship or community education and organizing, or conducting policy analysis, students come to understand the significance of their studies and develop greater empathy.

The ZSB seeks to embody in its scholarship La Sierra University’s dedication to truth and service. Working where appropriate with students, its faculty members engage actively in scholarly activity to foster shalom, enlarge human understanding, and expand their own horizons.

School of Business Additional Opportunities

Paul Cone Lecture Series

The Paul Cone Lecture Series features a range of distinguished guest speakers who offer to students, faculty members, and community members contemporary perspectives on business and related topics. It is named for a distinguished former La Sierra faculty member—who also served as a budget advisor to the government of Ethiopia and as a faculty member and administrator at the University of Southern California and the National Defense University.

Center for Entrepreneurship

The Center for Entrepreneurship incubates developing start-up business while helping to foster a culture of entrepreneurship within the ZSB. It is currently incubating businesses such as Helen’s Kitchen, CandyWipes, MovieFiller.Com, and Rosaasen. It also oversees the ZSB’s Rent-a-Brain group.
Rent-a-Brain

The ZSB’s consulting group, Rent-a-Brain, provides students and faculty members alike with valuable experience and significant growth opportunities. It serves business, labor, and community organizations by providing advice regarding management, marketing, finance, ethics, and other topics.

Center for Philanthropy

La Sierra University’s Center for Philanthropy is housed in the Zapara School of Business. The mission of the Center is to encourage the practice of effective philanthropic giving and fundraising and the integration of philanthropy into the mission of effective charitable and not-for-profit enterprises. It educates leaders who will create, implement, and promote innovative models of philanthropy in partnership with those who seek effective, long-lasting social change. As a contributor to La Sierra University’s mission of global service, it is a significant resource for students, faculty members, the philanthropic community, and the countless ordinary people it serves.

Center for Conflict Resolution

The Center for Conflict Resolution helps people resolve conflicts justly and peaceably without resorting to the legal system or using violence. It does this in three ways: by offering courses, lectures, and certificate programs focused on alternative dispute resolution; by providing professional mediatorial services (delivered through a free-standing corporation); and by facilitating research designed to lead to the peaceful resolution of conflict. The Center for Conflict Resolution will cooperate with entities including La Sierra University’s Center for Entrepreneurship and its Students in Free Enterprise Program by fostering just economic development as a means to peaceful conflict resolution. The Center’s mission is an apt expression of La Sierra University’s Seventh-Day Adventist heritage—marked by a commitment to peacemaking and global service.

Edward C. Allred Center

The Edward C. Allred Center exists to promote free market economics through the education of students, especially those at Seventh-day Adventist high schools. The Center provides high school students with interactive, online materials that teach them the principles and practices of financial literacy and personal finance. In the summer, it offers on the University campus a boot camp on entrepreneurship for selected high school students and a workshop on free market economics for high school teachers. The Center also awards prizes for high school students and their teachers who respectively write on and teach the principles of free market economies.

Transnational Research Consortium

The Transnational Research Consortium, drawing on the scholarship of faculty members at La Sierra University, Claremont Graduate University, and Portland State University, but headquartered at La Sierra, explores political and economic change related to the developing global economy, with a particular focus on the role and impact of countries in East Asia and South Asia.

The Office of Career Resources

The Office of Career Resources provides students with vital information and resources designed to equip them to enter the job market and acquire the skills, contacts, and opportunities needed for professional success.

Students in Free Enterprise

Students in Free Enterprise (SIFE) is an international nonprofit organization that works with leaders in business and higher education to mobilize university students to make a difference in their communities while developing the skills to become socially responsible business leaders. Some 57,000 students, organized in roughly 1,600 teams, operating in thirty-nine countries apply business concepts to develop outreach projects that improve the quality of life and standard of living for people in need. An annual series of regional, national, and international competitions provides a forum for teams to present the results of their projects, and be evaluated by business leaders serving as judges. In addition to the community-serving aspect of the program, SIFE’s leadership and career initiative create meaningful opportunities for learning and exchange as well as the placement of students and alumni with companies in search of emerging talent.

Organized in 1991, the La Sierra University SIFE team is sponsored by the Zapara School of Business. The team’s many educational and service projects have had a tremendous impact on our local and global community, further validated by the team’s six SIFE National and International championship wins, including two SIFE World Cup competitions in 2002 and 2007. The team invites students from all disciplines who are interested in developing their potential in leadership, entrepreneurship, and social responsibility to join the organization, resulting in a group rich with diverse academic and cultural backgrounds. Led by students and supported by Sam Walton Fellows John Razzouk, Marvin Payne, and Warren Trenchard, the team’s work actively embodies the mission of the university. Learn more at lasierra.edu/sife.
Placement and Internships

The Zapara School of Business attempts to help students obtain employment after graduation. Internships enable students to integrate business theory and practice, grow professionally before entering full-time employment, and acquire valuable professional contacts. Academic credit may be available for an internship. Internships are available on a regular basis with entities including Adventist Health System—North, Adventist Risk Management, KPMG, and Florida Hospital. The School’s annual Sam Croft Meet the Firms Night provides opportunities for students to network with potential employers and arrange for interviews. The School also schedules other placement-related events throughout each academic year with various organizations and firms. See the Coordinator of Student Services for internship and placement information.

Honors Program

The Honors Program serves undergraduates of outstanding ability across the University. It is a learning community centered on a program of general studies and culminating in an original project. The ZSB urges qualified students to participate in the Honors Program.

Further Learning Opportunities

Adventist Colleges Abroad

Adventist Colleges Abroad (ACA) offers overseas study opportunities in various parts of the world. The Zapara School of Business encourages its students to participate in ACA programs.

Degrees offered

The Zapara School of Business offers curricula leading to the following baccalaureate degrees:

Bachelor of Arts in:
- Management
- Management - Human Resource Management

Bachelor of Science degrees in:
- Accounting
- Business and Society
- Finance
- Health Care Management
- Marketing
- Political Economy
- Individually-designed Customized Major (with School of Business approval)
Program in Accounting, Economics, & Finance

Program Faculty

Frederick Clarke
Assistant Professor of Economics (2010)
PhD Claremont Graduate University (2010)
International trade, game theory

George O. Ogum
Associate Professor of Finance (1997)
DBA University of Memphis 1990
International finance, financial management, banking, emerging capital markets finance, corporate finance, financial econometrics

Lee Reynolds, Coordinator
Professor of Finance and Economics (1979, 2001)
PhD University of Nebraska 1979
Financial management, investment analysis, value-based management

Kan Sugandh
Associate Professor of Accounting (2007)
MA Rutgers University 1994
CPA 1983, ACA 1977
Financial accounting, accounting fraud, ethics in financial accounting, cost accounting, management accounting, management accounting pedagogy

Kristine Webster
Associate Professor of Accounting & Finance (1995, 2006)
CPA 1992, MBA Loma Linda University 1991
Financial and managerial accounting, accounting information systems, taxation, government and nonprofit accounting, entrepreneurial finance

Danette Zurek
Assistant Professor of Accounting (2006)
MBA Andrews University 1998, CPA 1992
Auditing, financial accounting, managerial accounting, taxation, government and non-profit accounting

Collaborating Faculty

Robert J. Cruise
Lecturer in Quantitative Methods
PhD University of Alabama 1974
Statistical methodology, instrument development, survey methodology

Siddharth Swaminathan
Lecturer in Economics & Quantitative Methods (2001)
PhD Claremont Graduate University 2001
International political economy, conflict processes, development economics, econometrics, research design

Degrees offered

Bachelor of Science degrees in:

- Accounting
- Finance
- Political Economy
- Minors in Accounting, Economics & Finance

MAJORS

Bachelor of Science

ACCOUNTING

An accounting student wishing to prepare for a professional examination leading to the Certified Public Accountant, Certified Management Accountant, Certified Fraud Examiner, or other professional accounting designation should consult the Coordinator of the Program in Accounting, Economics, and Finance.

Required: 80 units, including:

64 units as follows:

- The following courses:
- Plus, 12 units drawn from ACCT classes
- Plus, 4 units of colloquium*

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<tr>
<th>Course</th>
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FINANCE

Required: 76 units, including:

- The following courses
- Plus, 4 units of colloquium*

52 units as follows:

ACCT 211 Financial Accounting I  
ACCT 212 Managerial Finance  
ACCT 341 Intermediate Accounting I  
ECON 241 Managerial Statistics  
ECON 254 Principles of Macroeconomics  
ECON 255 Principles of Microeconomics  
ECON 444 Operations Research Methods  
FNCE 354 Managerial Finance  
FNCE 364 Financial Markets and Institutions  
FNCE 478 Financial Analysis and Decision Making  
MGMT 381 Business Law I  
MGMT 382 Business Law II  
MGMT 491 Business Policy and Strategy

- Plus, 20 units of electives drawn from upper-division ACCT & FNCE classes, not otherwise taken from the major (at least 12 units must be FNCE classes) and may be selected from the following courses:

ACCT 342 Intermediate Accounting II  
ACCT 343 Reporting Issues in Intermediate Accounting  
ACCT 354 Federal Income Tax: Individuals  
ACCT 355 Federal Income Tax: Business Entities  
FNCE 365 Investment Analysis  
FNCE 465 Fundamentals of Health Care Finance  
FNCE 477 Risk Management and Insurance Analysis  
FNCE 487 International Finance

POLITICAL ECONOMY

Required: 80 units, including:

60 units as follows:

- The following courses:  
- Plus, 4 units of colloquium*

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<td>HPSC 275</td>
<td>Critical Analysis</td>
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<td>MGMT 486</td>
<td>International Environment and Management</td>
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<td>PLSC 316</td>
<td>Comparative Government</td>
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<tr>
<td>PLSC 474</td>
<td>Political Philosophy</td>
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<td>PLSC 488E</td>
<td>Political Psychology</td>
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<td>SOCI 304</td>
<td>Social Psychology</td>
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<tr>
<td>SOCI 374</td>
<td>Impacts of Globalization</td>
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<tr>
<td>SOCI 404</td>
<td>Foundations of Social Thought</td>
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* With the approval of the SB dean's office, the number of colloquium units required for the degrees offered through the Program in Accounting, Economics, and Finance may be prorated for students transferring from other institutions or from other schools of the University.

* Internship hours may be used to fulfill elective requirements within the major, and students are strongly urged to complete internships when they are available.
MINORS

ACCOUNTING
Required: 28 units, of accounting & finance courses, including:

ACCT 211 Financial Accounting I
ACCT 212 Managerial Accounting
ACCT 213 Financial Accounting II
ACCT 341 Intermediate Accounting I
ACCT 354 Federal Income Tax: Individuals
FNCE 354 Managerial Finance

ECONOMICS
Required: 28 units, of economics & finance courses selected from:

ECON 254 Principles of Macroeconomics
ECON 255 Principles of Microeconomics
ECON 357 International Economics
ECON 366 Economic Growth and Development
ECON 387 Introductory Econometrics
ECON 392 Essentials of Game Theory
FNCE 364 Financial Markets and Institutions
FNCE 487 International Finance

FINANCE
Required: 36 units, as follows:

- The following courses
- Plus, 12 additional units of FNCE & ACCT courses

ACCT 211 Financial Accounting I
ACCT 299 Directed Study (4): Selected issues in accounting pursued in an independent study format. **Prerequisite:** Consent of the instructor & the dean’s office

UPPER DIVISION

ACCT 341 Intermediate Accounting I (4): The history and rule-making process of accounting, the major financial statements, and generally accepted accounting principles applicable to the time-value of money, cash, receivables, and inventory. **Prerequisite: ACCT 212**

ACCT 342 Intermediate Accounting II (4): Generally accepted accounting principles for reporting fixed assets, intangible assets, current and long-term liabilities, and stockholder’s equity. **Prerequisite: ACCT 341**

ACCT 343 Reporting Issues in Intermediate Accounting (4): Accounting for special accounting classifications and related topics, including investments, pensions, leases, income taxes, accounting changes, statement of cash flows, full disclosure, and financial statement analysis. **Prerequisite: ACCT 342**

COURSES

A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified. Waiver of any specified course prerequisite requires the approval of the course instructor. Internship hours may be required as part of any course, or used to fulfill course requirements, in accordance with the course syllabus.

Accounting

LOWER DIVISION

ACCT 211 Financial Accounting I (4): Recording of financial transactions, development, and presentation of financial statements, introduction to internal controls and underlying guidelines in accounting. **Prerequisites: ENGL 111 (or equivalent) & MATH 007 (or equivalent)**

ACCT 212 Managerial Accounting (4): Introduction to cost concepts and costing problems, relevant costing for decision making, cost-volume-profit analysis, profit planning, responsibility accounting, variance analysis, and performance evaluation. **Prerequisite: ACCT 211**

ACCT 213 Financial Accounting II (4): Examination of financial transactions related to assets, liabilities and equities including application of professional software for transaction processing, analysis and preparation of financial statements. **Prerequisite: ACCT 211**

ACCT 299 Directed Study (4): Selected issues in accounting pursued in an independent study format. **Prerequisite:** Consent of the instructor & the dean’s office

UPPER DIVISION

ACCT 341 Intermediate Accounting I (4): The history and rule-making process of accounting, the major financial statements, and generally accepted accounting principles applicable to the time-value of money, cash, receivables, and inventory. **Prerequisite: ACCT 212**

ACCT 342 Intermediate Accounting II (4): Generally accepted accounting principles for reporting fixed assets, intangible assets, current and long-term liabilities, and stockholder’s equity. **Prerequisite: ACCT 341**

ACCT 343 Reporting Issues in Intermediate Accounting (4): Accounting for special accounting classifications and related topics, including investments, pensions, leases, income taxes, accounting changes, statement of cash flows, full disclosure, and financial statement analysis. **Prerequisite: ACCT 342**
ACCT 354 Federal Income Tax: Individuals (4): Provisions of federal income tax laws and regulations affecting the determination of an individual taxpayer’s net taxable income, with emphasis on preparation of individual tax returns.  
Prerequisite: ACCT 211

Prerequisite: ACCT 354

ACCT 362 Cost Determination and Analysis (4): This class is designed for students seeking professional accounting designations. Topics include contemporary costing systems, joint and by-product costing, activity based costing, and cost allocation techniques in manufacturing and service organizations.  
Prerequisite: ACCT 212

ACCT 364 Ethics in Accountancy (4): Special issues in business ethics related to the roles and responsibilities of the accounting and auditing professions, including legal and regulatory guidelines and licensing requirements, as well as managerial responsibilities related to accounting ethics.  
Prerequisite: ACCT 343

ACCT 374 Accounting Information Systems (4): Dynamics of accounting systems from design and audit standpoints. Topics may include transaction flowcharting; internal controls of the revenue, expenditure and conversion cycles; EDP controls; relational databases, system design and internal controls; systems analysis; decision support systems; system implementation; and relevant auditing issues.  
Prerequisite: ACCT 343

ACCT 421 Controllership (4): Accounting techniques, concepts, and procedures related to the functions and responsibilities of the controller, with consideration of management reporting systems, planning and controlling functions, resource allocation, transfer pricing, the general budget-based system, departmental expense control, and investment planning.  
Prerequisites: ACCT 211 & FNCE 354

ACCT 434 International Financial Reporting Standards (4): International financial reporting standards, including convergence efforts and elimination of different country-specific versions of international financial reporting standards, impact of existing statutory reporting, changes in specific accounting practices, such as those for inventory valuation, pension plan, and impairments, and planning for and implementation of international financial reporting standards.  
Prerequisite: ACCT 342

ACCT 446 Auditing Theory and Practice (4): A study of the procedures and practices in the investigation and verification of financial data, preparation of the auditor’s report, as well as the professional ethics and legal liability of auditors.  
Prerequisite: ACCT 343

ACCT 458 Government and Nonprofit Accounting (4): A study of the theory and practice of the accounting concepts as applied to government entities, health care institutions, colleges and universities, and other nonprofit organizations.  
Prerequisite: ACCT 343

ACCT 460 Advanced Accounting (4): Advanced topics in accounting including business formations, combinations, reorganizations, and liquidations; income distribution; as well as multinational operations and foreign currency transactions.  
Prerequisite: ACCT 343

ACCT 466 Fraud Examination (4): The principles and methods of fraud detection and deterrence. Topics include skimming, cash larceny, check tampering, register disbursement schemes, billing schemes, payroll and expense reimbursement schemes, non-cash misappropriations, corruption, accounting principles and fraud, fraudulent financial statements, and the interviewing of witnesses.  
Prerequisite: ACCT 343

ACCT 468 Advanced Auditing (4): Issues selected from among advanced topics including internal and compliance auditing, auditor’s ethics and liability, EDP auditing, audit sampling, special report writing, audit standards for state and local governmental entities and government agencies, review and discussion of selected audit cases, international auditing, SAS 99, and compliance with the Sarbanes-Oxley Act.  
Prerequisite: ACCT 446

ACCT 476 Reading Tutorial in Accounting (1-4): Critical engagement with the current scholarly literature in accounting. May be repeated for additional credit with consent of the instructor.  
Prerequisites: Consent of the instructor & the dean's office

ACCT 484 Accounting Internship (1-4): A ten-week structured and supervised work experience culminating in an academic paper.  
Prerequisites: ACCT 342 & consent of the instructor

ACCT 486 CPA Examination Review (4): Integrated overview of accounting and related topics in preparation for the examination leading to the Certified Public Accountant designation.  
Prerequisite: ACCT 343

ACCT 495 Topics in Accounting (1-4): Advanced issues in accounting. May be repeated for additional credit with consent of the instructor.  
Prerequisite: Consent of the instructor

ACCT 499 Directed Study (1-4): Independent study in the area of accounting, to occur under the direction of a supervisor on a topic selected by the faculty member and the student. Regular and periodic conferences with the instructor.  
Prerequisites: Consent of the instructor & the dean's office
Economics

LOWER DIVISION

ECON 241 Managerial Statistics (4): An introduction to statistical methods for decision-making with applications drawn from business, finance, and economics. Topics include random variables, probability distributions, sampling, hypothesis testing, and correlation and linear regression models. Credit is not allowed for both MATH 155 and ECON 241. Prerequisite: MATH 115 or 121 or CPTG 117

ECON 254 Principles of Macroeconomics (4): The nature and causes of economic growth, inflation, recession, and unemployment. Government monetary and fiscal policy, Keynesian and monetarist economic models, and an introduction to the American financial system. Prerequisite: MATH 115 or 121 or 155 or CPTG 117 (for all options, student can be concurrently enrolled)

ECON 255 Principles of Microeconomics (4): Supply and demand analysis, competition, oligopoly, and monopoly. Economic choices, pricing and production, international trade. Comparative economic systems. Prerequisite: MATH 115 or 121 or 155 or CPTG 117 (for all options, student can be concurrently enrolled)

ECON 299 Directed Study (4): Selected issues in economics pursued in an independent study format. Prerequisite: Consent of the instructor & the dean's office

UPPER DIVISION

ECON 357 International Economics (4): Introduction to international business theory and practice: theory of trade and integration, international economic institutions and their context, comparative economic systems, and application of economic principles to the functional areas of business on the global level. Prerequisites: ECON 254 & 255

ECON 366 Economic Growth and Development (4): An examination of key factors driving economic growth in nations. The focus is on the roles of physical and human capital accumulation, export promotion and international trade, technology, the formation of institutions, and political stability in economic development. Time is spent on theory behind, empirical evidence for, and the policy implications of economic development. Prerequisites: ECON 254 & 255

ECON 387 Introductory Econometrics (4): A presentation of the principal concepts, techniques, and applications of econometrics using OLS and MLE estimators. Emphasis on developing a critical understanding of the appropriateness and limitations of a variety of political economy models. Coverage may include systems of simultaneous equations, discrete-choice models, time series analysis, panel data, and nonlinear functional forms. Offered on demand. Prerequisite: ECON 241

ECON 392 Essentials of Game Theory (4): Introduction to the formal study of interdependent decision-making. Topics include normal and extensive form games, strategic games, dominance strategies, the concept of the Nash equilibrium and various refinements of this concept, subgame perfect equilibrium, games of incomplete information, learning in games, repeated and sequential games, reputation and credibility, and cooperative and coalitional games. Applications in economics, political science, and business are emphasized. Offered on demand. Cross-listed as PSYC 392.

ECON 444 Operations Research Methods (4): The application of operations research methods to managerial decision-making. Topics include advanced statistical methods, nonlinear models, forecasting and time series analysis, statistical quality control, simulation, and risk analysis. Prerequisite: ECON 241

ECON 476 Reading Tutorial in Economics (1-4): Critical engagement with the current scholarly literature in economics. May be repeated for additional credit with consent of the instructor. Prerequisites: Consent of the instructor & the dean's office

ECON 495 Topics in Economics (1-4): Advanced issues in economics. May be repeated for additional credit with consent of the instructor. Prerequisite: Consent of the instructor

ECON 499 Directed Study (1-4): Independent study in the area of economics, to occur under the direction of a supervisor on a topic selected by the faculty member and the student, with regular and periodic conferences with the instructor. Prerequisites: Consent of the instructor & the dean's office

Finance

LOWER DIVISION

FNCE 104 Personal Financial Management (4): This course is designed to help students understand their relationships with money in a society shaped by complex financial structures and institutions. It emphasizes financial concepts in individual lives as well as society. It focuses on major financial decisions people make in allocating resources and planning expenditures.

UPPER DIVISION

FNCE 335 Personal Finance (4): The study of major financial decisions of individuals in allocating resources and planning expenditures. Personal financial planning and budgeting, insurance, the use of credit, housing, transportation, consumer protection, investments, and retirement.

FNCE 354 Managerial Finance (4): Time value of money, valuation, risk and rates of return, financial analysis, financial forecasting, working capital management, capital budgeting, cost of capital, and long term financing. Prerequisites: ACCT 211, 212 & ECON 254; or consent of instructor

230
FNCE 364 Financial Markets and Institutions (4): A survey of the American financial system in a global context. Considers the nature of the financial system, the role and mechanics of interest rates, the operation of money and capital markets, central banking, and the major categories of financial institutions. Prerequisite: FNCE 354

FNCE 365 Investment Analysis (4): Introduction to the behavior of security markets and individual investment policy. Quantitative and qualitative aspects of risk and return associated with investment decisions. Investment planning and analysis of markets. Prerequisites: FNCE 354 & 364

FNCE 384 Real Estate Principles (4): The nature and description of real estate; estates in real property and forms of ownership; acquisition and transfer of title, encumbrances, finance, appraisal, escrows and title insurance; landlord-tenant relationships; taxation; and careers. Offered on demand. Prerequisites: FNCE 354 & MGMT 381

FNCE 465 Fundamentals of Health Care Finance (4): Reimbursement concepts and procedures including public and private third-party payers; health care budgeting, financial planning techniques, and cost analysis and control. Offered on demand. Prerequisites: FNCE 354

FNCE 476 Reading Tutorial in Finance (1-4): Critical engagement with the current scholarly literature in finance. May be repeated for additional credit with consent of the instructor. Prerequisites: Consent of the instructor & the dean's office

FNCE 477 Risk Management and Insurance Analysis (4): Survey of insurance industry, the different forms of insurance coverage, and an analysis of the methods and procedures of treating risk in the business firm including the theoretical basis of insurance. The course emphasizes the theoretical framework and a financial exposition of risk management from a corporate perspective. Prerequisites: FNCE 354

FNCE 478 Financial Analysis and Decision Making (4): Financial analysis techniques. Forecasting and modeling methodologies using personal computers, case studies, reporting and presentations. Prerequisite: FNCE 354

FNCE 484 Finance Internship (1-4): A ten-week structured and supervised work experience culminating in the completion of an academic paper. Prerequisite: Consent of the instructor

FNCE 487 International Finance (4): The international financial environment. Managerial perspectives on export/import financing techniques, the identification and management of exchange risks, and issues arising in the financing of foreign affiliates. Prerequisite: FNCE 354

FNCE 495 Topics in Finance (1-4): Advanced issues in finance. May be repeated for additional credit with consent of the instructor. Prerequisite: Consent of the instructor

FNCE 499 Directed Study (1-4): Independent study in areas of finance, to occur under the direction of a supervisor on a topic selected by the faculty member and the student. Regular and periodic conferences with the instructor. Prerequisites: Consent of the instructor & the dean's office
Program in Customized Majors

Program Faculty

Gary Chartier, Coordinator
Associate Dean, Zapara School of Business
Professor of Law and Business Ethics (2001)
JD University of California at Los Angeles 2001
PhD University of Cambridge 1991
Theology, philosophy, ethics, political theory, public policy, law and legal theory

Program Proposal

1. A person with clearly defined academic objectives not readily achievable through an existing ZSB degree program may receive a bachelor of arts or bachelor of science degree from the School of Business after the completion of a special curriculum approved by the ZSB dean’s office.

2. A person desiring to propose a customized major should ordinarily do so by the beginning of the first quarter of her or his junior year, though the ZSB dean’s office may approve subsequent initiation dates under appropriate circumstances.

3. A customized major proposal submitted to the ZSB faculty should include:
   A. A list of the courses to be included in the program, including any cognates, a baccalaureate thesis if appropriate and, if necessary, alternate courses to be completed if proposed courses are not available, and an indication of the sequence in which requirements will be completed;
   B. A description of the program’s intended academic focus and the goals it is intended to serve;
   C. A rationale for the details of the program;
   D. A title for the program, which will appear on the student’s diploma and transcript if the program is approved; and
   E. Documents or other materials supportive of the proposal.

4. The proposed curriculum must include a substantial number of courses in business, but may also include courses in other areas. A customized curriculum might entail work in the School of Business and any other program, including the School of Education (e.g., educational leadership), the HMS Richards Divinity School (e.g., urban development, business ethics), the Department of Mathematics and Computer Science (e.g., management information systems), the Department of English and Communication (e.g., public relations), the Department of World Languages (e.g., intercultural marketing), the Department of Music (e.g., music management), the Department of History, Politics, and Society (e.g., business history), the department of Health and Exercise Science (e.g., sports management), or the Program in Philosophical Studies (e.g., business ethics).

Program Acceptance

1. The ZSB dean’s office is responsible for certifying the academic quality of any customized major it approves. Thus, it may require revisions in a proposal, or reject it entirely.

2. While the ZSB and the University will attempt to ensure that a person whose customized major program has been approved will be able to complete the program on schedule, the approval of a customized major program constitutes only a commitment on the University’s part to make the best effort possible to ensure the program’s completion, not a guarantee that the courses included in the proposal or others to be substituted for them will be available at the times required for the major to be completed as planned.

3. The dean will notify the Records Office that the customized major program has been approved.

Program Requirements

1. A customized major program is designed to meet needs not fully met by existing curricula. Its curriculum must not simply duplicate that of an existing university degree program. It should, however, compare favorably in coherence, scope, and rigor with other baccalaureate curricula of the University. It should offer the breadth necessary to be considered a truly liberal education.

2. Completion of the proposed customized major must require at least 52 quarter units. No more than 12 of the units to be applied to the major may also be used to fulfill general education requirements. At least 32 of the units must be upper-division. Each student must complete 1 unit of MGMT 219 for every three quarters of residence at La Sierra University.

3. The ZSB dean’s office must approve the title of the proposed major program, which will appear on the student’s transcript and diploma. Subsequent changes in the program title must also be approved the dean.
Program in Management & Marketing

Program Faculty

S. Eric Anderson
Professor of Management and Economics
PhD University of North Texas 1992
Health care management, strategic management, health care economics and finance, political economy, international trade

Gary Chartier
Associate Dean, School of Business
Professor of Law and Business Ethics (2001)
JD University of California at Los Angeles 2001
PhD University of Cambridge 1991
Theology, philosophy, ethics, political theory, public policy, law and legal theory

Jere L. Fox
Associate Professor of Law and Management
MA La Sierra University 2007
JD Pepperdine University 1977
Estate planning, trust and probate law, business law, constitutional law and the church

Dulce L. Pena
Associate Professor of Law and Human Resources (2011)
Management
MA Fielding Institute 2010
JD Pepperdine University 1990
MNA Loma Linda University 1987
Employment law, leadership, conflict resolution

Elias G. Rizkallah, Coordinator
Professor of Management and Marketing (2001)
PhD Northwestern University 1982
International marketing, strategic marketing planning, marketing management, consumer behavior

John Thomas
Dean, School of Business
Bashir Hasso Professor of Entrepreneurship (1989)
PhD Claremont Graduate University 2001
Behavioral finance, political economy, development studies, social entrepreneurship

Collaborating Faculty

Cheryl Bauman
Lecturer in Office Administration; Colloquium Coordinator
BS Loma Linda University 1974
Student services, business colloquium management

James Erickson
Director, La Sierra University Center for Philanthropy
LHD hc La Sierra University 2007
EdD Indiana University 1970
Philanthropic fundraising, not-for-profit organizational strategy

Craig Kinzer
Lecturer in Business Communication
PhD University of California at Riverside 2007
MA La Sierra University 1994
Business communication, management strategy, management and literature, medieval English

Robert Krone
Distinguished Visiting Professor of Strategic Management
PhD University of California at Los Angeles 1972
Strategic planning, electronic distance learning, systems analysis, policy formulation, organization theory

Thomas Macomber
Lecturer in Management and Law
JD Willamette University 1980
Music management, business law

Lari Mobley
Lecturer in Management
PhD student, Claremont Graduate University
MBA Biola University 2005
MA Loma Linda University 1987
Brand diversification in mergers and acquisitions, branding strategies for new product launches, literary themes in contemporary advertising

Nabil Y. Razzouk
Lecturer in Marketing
PhD Arizona State University 1980
Marketing and business education, marketing ethics, comparative and international marketing

Constance Rossum
Lecturer in Marketing
PhD Claremont Graduate University 1998
Strategic marketing

Victoria A. Seitz
Lecturer in Marketing
PhD Oklahoma State University 1987
Apparel merchandising, consumer behavior, advertising strategy
Juanita J. Singh  
Director, Program in English as a Second Language  
Lecturer in Business Communication  
EdD Loma Linda University 1992  
Writing skill development, intercultural business communication

Warren C. Trenchard  
Lecturer in Management and Social Entrepreneurship  
PhD University of Chicago 1981  
Social entrepreneurship, management strategy

John Wyatt III  
Lecturer in Business Law  
JD University of Dayton 1978  
Governmental regulation of business, government procurement, contract management

Degrees offered

- Bachelor of Arts degree in Management
- Bachelor of Arts degree in Management—Human Resource Management concentration
- Bachelor of Science degree in Business and Society
- Bachelor of Science degree in Health Care Management
- Bachelor of Science degree in Marketing
- Minors in Management & Marketing

MAJORS

Bachelor of Arts  
MANAGEMENT

Required: 60 units, including:

48 units as follows:
- The following courses:
- Plus, 8 units of electives from upper-division MGMT courses not used to fulfill any other requirement (or others with the approval of the coordinator.)
- Plus, 4 units of colloquium*

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Plus, choice of:

- MGMT 304 Management and Organizational Behavior  
  -OR-  
- MGMT 344 Professional Practice Management

MANAGEMENT: HUMAN RESOURCE MANAGEMENT

Required: 72 units, including:

60 units as follows:
- The following courses
- Plus, 4 units of Colloquium

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</tr>
<tr>
<td>ECON 241</td>
<td>Managerial Statistics</td>
</tr>
<tr>
<td>ECON 254</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECON 255</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>ECON 444</td>
<td>Operations Research Methods</td>
</tr>
<tr>
<td>FNCE 354</td>
<td>Managerial Finance</td>
</tr>
<tr>
<td>MGMT 356</td>
<td>Human Resource Management</td>
</tr>
<tr>
<td>MGMT 381</td>
<td>Business Law I</td>
</tr>
<tr>
<td>MGMT 382</td>
<td>Business Law II</td>
</tr>
<tr>
<td>MGMT 464</td>
<td>Women in Management</td>
</tr>
<tr>
<td>MGMT 475</td>
<td>Leadership and Organizational Effectiveness</td>
</tr>
<tr>
<td>MGMT 484H</td>
<td>Human Resource Management Internship</td>
</tr>
<tr>
<td>MGMT 491</td>
<td>Business Policy and Strategy</td>
</tr>
</tbody>
</table>

Plus, choice of:

- MGMT 304 Management and Organizational Behavior  
  -OR-  
- MGMT 382 Business Law II

- Plus, 8 units of electives to be selected from among the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FNCE 365</td>
<td>Investment Analysis</td>
</tr>
<tr>
<td>MGMT 487</td>
<td>Topics in Human Resource Management</td>
</tr>
<tr>
<td>PSYC 474</td>
<td>Industrial and Personnel Psychology</td>
</tr>
</tbody>
</table>

Bachelor of Science  
BUSINESS AND SOCIETY

The BS in Business and Society is designed especially to prepare business students for the study and practice of law, with a particular emphasis and business and economic issues related to law.
Program in Management & Marketing

**Required:** 80 units, including:

- The following courses
- Plus, 4 units of colloquium*

56 units as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 211</td>
<td>Financial Accounting I</td>
</tr>
<tr>
<td>ACCT 212</td>
<td>Managerial Accounting</td>
</tr>
<tr>
<td>ECON 241</td>
<td>Managerial Statistics</td>
</tr>
<tr>
<td>ECON 254</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECON 255</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>ECON 357</td>
<td>International Economics</td>
</tr>
<tr>
<td>ECON 366</td>
<td>Economic Growth and Development</td>
</tr>
<tr>
<td>ECON 444</td>
<td>Operations Research Methods</td>
</tr>
<tr>
<td>FNCE 354</td>
<td>Managerial Finance</td>
</tr>
<tr>
<td>MGMT 381</td>
<td>Business Law I</td>
</tr>
<tr>
<td>MGMT 382</td>
<td>Business Law II</td>
</tr>
<tr>
<td>MGMT 491</td>
<td>Business Policy and Strategy</td>
</tr>
<tr>
<td>PLSC 225</td>
<td>Introduction to Law</td>
</tr>
</tbody>
</table>

Plus, choice of:

- MGMT 304 Management and Organizational Behavior
- MGMT 344 Professional Practice Management

- Plus, 20 electives selected from among the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FNCE 487</td>
<td>International Finance</td>
</tr>
<tr>
<td>GEOG 276</td>
<td>Physical and Human Geography</td>
</tr>
<tr>
<td>HIST 430F</td>
<td>American Business and Economic History</td>
</tr>
<tr>
<td>HIST 430G</td>
<td>U.S. Constitution to 1880</td>
</tr>
<tr>
<td>HIST 430H</td>
<td>The United States Constitution</td>
</tr>
<tr>
<td>HIST 432S</td>
<td>Law and Society</td>
</tr>
<tr>
<td>HIST 440F</td>
<td>War Crimes and International Policy</td>
</tr>
<tr>
<td>MGMT 367</td>
<td>Concepts and Issues in Social Entrepreneurship</td>
</tr>
<tr>
<td>MGMT 424</td>
<td>Global Poverty</td>
</tr>
<tr>
<td>MGMT 467</td>
<td>Legal Issues in Healthcare</td>
</tr>
<tr>
<td>MGMT 484</td>
<td>Management Internship</td>
</tr>
<tr>
<td>MGMT 486</td>
<td>International Environment and Management</td>
</tr>
<tr>
<td>PLSC 316</td>
<td>Comparative Government</td>
</tr>
<tr>
<td>PLSC 420</td>
<td>International Organizations</td>
</tr>
<tr>
<td>PLSC 440</td>
<td>Topics in International Relations</td>
</tr>
<tr>
<td>PLSC 474</td>
<td>Political Philosophy</td>
</tr>
<tr>
<td>PLSC 485</td>
<td>American Political Thought</td>
</tr>
<tr>
<td>PSYC 315</td>
<td>Cross-Cultural Psychology</td>
</tr>
<tr>
<td>PSYC 488B</td>
<td>Psychology and Law</td>
</tr>
<tr>
<td>SOCI 345</td>
<td>Social Organization</td>
</tr>
<tr>
<td>SOCI 374</td>
<td>Impacts of Globalization</td>
</tr>
<tr>
<td>SOCI 404</td>
<td>Foundations of Social Thought</td>
</tr>
</tbody>
</table>

**HEALTH CARE MANAGEMENT**

The BS in Health Care Management is designed for the student who wishes to combine the study of business with preparation for admission to post-baccalaureate study in one of the health professions. While incorporating core requirements for admission to medical and dental school, it also features a lean array of business courses (including Professional Practice Management and Fundamentals of Health Care Finance) designed to equip students to understand the business environment within which a private professional practice operates and the business vocabulary and issues they will need to comprehend in order to navigate the increasingly complex world of managed health care.

**Required:** 52 units, including, as follows:

- The following courses and cognates
- Plus, 4 units of colloquium*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 211</td>
<td>Financial Accounting I</td>
</tr>
<tr>
<td>ACCT 212</td>
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<tr>
<td>ECON 444</td>
<td>Operations Research Methods</td>
</tr>
<tr>
<td>FNCE 354</td>
<td>Managerial Finance</td>
</tr>
<tr>
<td>FNCE 465</td>
<td>Fundamentals of Healthcare Finance</td>
</tr>
<tr>
<td>MGMT 344</td>
<td>Professional Practice Management</td>
</tr>
<tr>
<td>MGMT 381</td>
<td>Business Law I</td>
</tr>
<tr>
<td>MGMT 382</td>
<td>Business Law II</td>
</tr>
<tr>
<td>MKTG 305</td>
<td>Marketing Principles</td>
</tr>
</tbody>
</table>

Required Cognates:

- BIOL 111, 111L General Biology I, with laboratory
- BIOL 112, 112L General Biology II, with laboratory
- BIOL 113, 113L General Biology III, with laboratory
- CHEM 111, 111L General Chemistry I, with laboratory
- CHEM 112, 112L General Chemistry II, with laboratory
- CHEM 113, 113L General Chemistry III, with laboratory
- CHEM 271, 271L Organic Chemistry I, with laboratory
- CHEM 272, 272L Organic Chemistry II, with laboratory
- CHEM 273, 273L Organic Chemistry III, with laboratory
- PHYS 231, 231L General Physics I, with laboratory
- PHYS 232, 232L General Physics II, with laboratory
- PHYS 233, 233L General Physics III, with laboratory

- Plus, 12 units selected from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 491, 491L</td>
<td>Biochemistry I, with laboratory</td>
</tr>
<tr>
<td>CHEM 492, 492L</td>
<td>Biochemistry II, with laboratory</td>
</tr>
<tr>
<td>CHEM 493, 493L</td>
<td>Biochemistry III, with laboratory</td>
</tr>
</tbody>
</table>
Program in Management & Marketing

BIOL 301, 301L  Cell and Molecular Biology, with laboratory
BIOL 302, 302L  Genetics, with laboratory
BIOL 434  Histology
BIOL 446  Human Gross Anatomy
BIOL 466  Systems Physiology

- Supplemental Courses students may also benefit from completing:

ACCT 354  Federal Income Tax: Individuals
ACCT 458  Government and Nonprofit Accounting
FNCE 364  Financial Markets and Institutions
FNCE 365  Investment Analysis
FNCE 384  Real Estate Principles
MGMT 364  Principles of Entrepreneurship
MGMT 424  Global Poverty
MGMT 436  Health Care Management
MGMT 467  Legal Issues in Healthcare

A student who wishes to qualify for admission to a post-baccalaureate health professional degree program should verify and plan to meet all relevant field-specific and institution-specific requirements, which may include the completion of classes in addition to those listed here.

MARKETING

Required: 76 units, including:

- The following courses
- Plus, 4 units of colloquium*

48 units as follows:

ACCT 211  Financial Accounting I
ACCT 212  Managerial Accounting
ECON 241  Managerial Statistics
ECON 254  Principles of Macroeconomics
ECON 255  Principles of Microeconomics
ECON 444  Operations Research Methods
FNCE 354  Managerial Finance
MGMT 381  Business Law I
MGMT 382  Business Law II
MGMT 491  Business Policy and Strategy
MKTG 305  Marketing Principles

Plus, choice of:

MGMT 304  Management and Organizational Behavior
MGMT 344  Professional Practice Management

- 24 units of electives from among upper-division MKTG courses not used to fulfill any other requirement. Up to 12 units of courses drawn from ones in areas other than marketing may be used to fulfill this requirement including the following list of courses. Other non-marketing courses may be applied toward marketing major requirements with the approval of the program coordinator.

ARTS 115  Design Principles
ARTS 116  Color for Artists and Designers
ARTS 194  Photoshop and Illustrator Image Creation
ARTS 255  Photography
ARTS 344  Typography
ARTS 355  Photography Workshop
ARTS 394A  3D Modeling
ARTS 394B  3D Character Design
ARTS 394C  Flash Interface Design
ARTS 394D  Final Cut Pro Video
ARTS 395A  Communication Principles
ARTS 395B  Advanced Concepts
ARTS 395C  Special Project
COMM 206  Introduction to Media Technologies
COMM 215  Public Relations
COMM 237  Principles of Advertising
COMM 315  Public Relations Marketing and Development
COMM 328  Persuasion and Rhetoric
COMM 344  Gender and Communication
COMM 488  Communication Theory II
COMM 490  Communication Research Design
PSYC 304  Social Psychology
PSYC 314  Psychology of Gender
PSYC 315  Cross-cultural Psychology
PSYC 349  Methods of Research
PSYC 435  Learning and Behavior
PSYC 482C  Critical Thinking: Theory and Application

* With the approval of the ZSB dean’s office, the number of colloquium units required for the degrees offered through the Program in Marketing and Management may be prorated for students transferring from other institutions or from other schools of the University.

* Internship hours may be used to fulfill elective requirements within the major, and students are strongly urged to complete internships when they are available.
MINORS

MANAGEMENT
Required: 28 units of management courses, including:
- MGMT 304
- Remaining units to be selected in consultation with ZSB advisor

MARKETING
Required: 28 units of marketing courses, including:
- MKTG 305
- Remaining units to be selected in consultation with ZSB advisor

COURSES
A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified. Waiver of any specified course prerequisite requires the approval of the course instructor. Internship hours may be required as part of any course, or used to fulfill course requirements, in accordance with the course syllabus.

Management

LOWER DIVISION
MGMT 219 Business Colloquium (0.5-2): Topics of interest to scholars and students of business.

MGMT 229 Business Colloquium: Intensive (1-4): Intensive engagement with topics of interest to scholars and students of business.

MGMT 295 Topics in Management (4): Advanced issues in management. May be repeated for additional credit with consent of the instructor. Prerequisite: Consent of the instructor

UPPER DIVISION
MGMT 304 Management and Organizational Behavior (4): This course will cover topics including management as a discipline, effective decision making, understanding the organizational environment, motivation and communication techniques, leadership skills, and performance evaluation.

MGMT 314 Philosophy of Work (4): Explores a range of philosophical issues related to the meaning and organization of work.

MGMT 344 Professional Practice Management (4): Techniques, strategies, and processes for organizing the business side of a professional practice. Examples drawn from multiple professions.

MGMT 345 Spirituality in the Workplace (4): A practical course focused on the application of spiritual resources to workplace challenges and the practice of spiritual disciplines in the workplace.

MGMT 354 Professional Practice Management (4): Practical techniques and strategies for managing a professional (medical, legal, accounting, dental, etc.) practice for oneself, for an individual professional, or for a group of professionals. Focuses on human relations, financial management, and other challenges specific to the professional practice environment.

MGMT 356 Human Resource Management (4): The personnel function, including the development of programs for recruitment, selection, performance evaluation, training, supervision, compensation, pensions, and government regulations. Prerequisite: MGMT 304

MGMT 364 Principles of Entrepreneurship (4): Concepts, methods, and procedures of initiating new ventures. Acquisition, location, legal consideration, and application of the management process as it relates to the operation of a small business. Prerequisites: FNCE 354, MGMT 304 & MKTG 305

MGMT 367 Concepts and Issues in Social Entrepreneurship (4): An introduction to the application of business skills and techniques, the entrepreneurial spirit of creativity, and openness to the risk often necessary in solving social problems.

MGMT 368 Principles of Conflict Resolution (4): An overview of the theory and practice of conflict resolution in the workplace, causes of conflict, and designing systems to leverage conflict as an opportunity to bring about needed change and visioning in the workplace. Also addresses relevant issues in labor and employment law.

MGMT 375 Managerial Communication (4): Effective organizational communication, written and oral; consultations, meetings, and conferences; document design; use of appropriate communication technologies; linking communication with organizational strategy. Prerequisites: ENGL 113 or 124 & MGMT 304

MGMT 378 The Environment of Business (4): Introduces the student to the social, political, legal, and historical context of contemporary business activity. Examines ongoing political developments and social trends relevant to business practice. Discusses the legal system, constitutional law, and government regulation of business. Explores the impact of business on society and of society on business, with a particular focus on the debate over globalization. Designed to develop student awareness of the significance of current issues and events for business leaders.
La Sierra University Undergraduate Bulletin

Leadership and

MGMT 381 Business Law I (4): Course examines fundamental legal principles, concepts, terms, practices, and procedures that impact the legal environment of business. Students study and analyze primary sources of law, federal and state court systems and procedures, arbitration and other alternative dispute resolutions, constitutional and criminal law issues in business, business organizations, and contract law. Prerequisite: ENGL 113 or 124

MGMT 382 Business Law II (4): Course explores complex legal principles, concepts, terms, practices, and procedures that impact business operations and management. Students study and analyze a variety of business-related area of law, including intellectual property, the Uniform Commercial Code, sales, leases, agency, labor law, employment relationships and discrimination, real property, negotiable instruments, secured transactions, torts, creditors’ rights, enforcement of judgments, bankruptcy, wills, trusts, probate, and ethics and social responsibility in business decision making. Prerequisite: ENGL 113 or 124 & MGMT 381

MGMT 388 eLab (4): Virtual research environment focused on value creation and competitive advantage in the digital economy. May be repeated for additional credit with consent of the instructor. Prerequisite: Consent of the instructor

MGMT 424 Global Poverty (4): An examination of the causes of the global wealth gap and an assessment of alternative policy responses to this gap, with particular attention to the effects of aid programs and of globalization on poverty reduction. Integrates perspectives from economics, politics, law, philosophy, and religion. Not open to students with credit in MGMT 495G. Cross-listed as RELE 459. Prerequisites: ENGL 113 & MATH 121

MGMT 427 Enterprise, Organization, and Anarchy (4): The design of industrial organizations, and the potential contributions of for-profit and not-for-profit organizations to the provision of social and other public services, including “public goods,” in the absence of the state. Seminar format.

MGMT 436 Health Care Management (4): Economic, political, social, and technological issues in the health care delivery system; the interaction of health care organizations; and the problems of access and delivery of health services. Prerequisite: MGMT 304

MGMT 438 Management and Literature (4): Explores the insights into human behavior, organizational processes, the nature of leadership, moral and spiritual challenges, and other business-related issues offered by literary texts.

MGMT 439 Management and Film (4): Explores the insights into human behavior, organizational processes, the nature of leadership, moral and spiritual challenges, and other business-related issues offered by films.

MGMT 448 Managing for Sustainable Development (4): An application-oriented course that challenges students to integrate skills and insights from the business disciplines and from the study of the social and behavior sciences, politics, and religion to foster effective development practice.

MGMT 464 Women in Management (4): Leadership and management styles as they affect women and the organization. Examines stereotypes in business and strategies for bringing women into management; considers legal, social, and interpersonal factors. Course provides interactive skills for both men and women in management. Prerequisite: MGMT 304

MGMT 467 Legal Issues in Health Care (4): Common law principles, government regulations, and public policy issues as they pertain to health care services. Prerequisites: MGMT 378 & 436

MGMT 469 Leadership for Economic Growth (4): A skill-based practicum that challenges students to draw on integrative and discipline-specific skills to foster the empowerment of economically vulnerable communities. May be repeated for additional credit with the consent of the instructor. Prerequisite: Consent of the instructor

MGMT 475 Leadership and Organizational Effectiveness (4): Focuses on leadership as an interpersonal process of social influence and examines how effective leaders influence the attainment of group and organizational goals. Topics include classic and contemporary views of leadership and the application of various theories to leadership in business and politics. Also explores the influence of cultural and gender differences on leadership processes. Prerequisite: MGMT 304

MGMT 476 Reading Tutorial in Management (1-4): Critical engagement with the current scholarly literature in management. May be repeated for additional credit with consent of the instructor. Prerequisites: Consent of the instructor & the dean’s office

MGMT 484 Management Internship (4): A ten-week structured and supervised work experience culminating in an academic paper. Open only to students who have completed appropriate prerequisite classes. Prerequisite: MGMT 304

MGMT 486 International Environment and Management (4): The international environment of business; its cultural, economic, legal, and political aspects; markets and business customs; dealing with foreign governments; protecting investments. Prerequisites: ECON 354 & 255

MGMT 487 Topics in Human Resource Management (1-4): Advanced issues in Human Resource management. May be repeated for additional credit with consent of the instructor. Prerequisite: Consent of the instructor
MGMT 491 Business Policy and Strategy (4): The application of managerial skills to develop integrated strategies, policies, and action plans for the organization under conditions of uncertainty, complexity, and change. Computer literacy expected. Prerequisites: ACCT 212; FNCE 354; MGMT 375 or ENGL/COMM 304; MGMT 382; MGMT 444; MGMT 304 or 344; & MKTG 305

MGMT 495 Topics in Management (4): Advanced issues in management. May be repeated for additional credit with consent of the instructor. Prerequisite: Consent of the instructor

MGMT 499 Directed Study (1-4): Independent study under the direction of a supervisor on a topic selected by the faculty member and the student, with regular and periodic conferences with the instructor. Prerequisites: Consent of the instructor & the dean's office

UNST 404C Senior Seminar: Religion, Values, and Social Responsibility in Business (4): An exploration of the moral and political dimensions of business practice from the perspective of Christian faith. Examines business ethics at the personal, institutional, societal, and international levels, and seeks to encourage students to use business skills and business creativity to foster positive social change. Service-learning component.

Marketing

UPPER DIVISION

MGKT 305 Marketing Principles (4): An overview of marketing and its role in society and today's organization. Fundamentals of the marketing environment, consumer and industrial buying behavior, marketing research, and marketing ethics. Examines the basics of marketing strategy (market segmentation, targeting, and product differentiation and positioning) with an emphasis on the marketing mix—product, price, distribution, and promotion.

MGKT 358 Marketing Management (4): Integration and reinforcement of marketing principles and concepts through simulation and case studies. Emphasis is placed on managerial and analytical techniques designed to cultivate the student's decision-making skills. Prerequisite: MKTG 305

MGKT 365 Marketing Research (4): Highlights the importance of marketing information and information technology in management decision making. Includes the marketing research process—methods and applications, techniques of data collection, analysis, and interpretation, with emphasis on consumer surveys and test marketing. Prerequisites: ECON 241 or ECON 341 & MKTG 305

MGKT 374 Consumer Behavior (4): The course is designed to be a pragmatic review of the theory of consumer behavior. It covers topics including cultural and social influences on consumer behavior, information processing, attitude formation and change, learning theory, and social issues relevant to marketing decisions.

MGKT 386 Advertising (4): The role and use of advertising and other promotional techniques within the marketing function. Development of an advertising plan including media selection, creative strategy and advertising appeal, and budgeting. Legal, ethical, and international aspects of advertising are highlighted. Prerequisite: MKTG 305

MGKT 426 Sales Management (4): Management of the sales territories, personnel, and activities. Includes territory management, the personal selling process, managing the sales force (sales force strategy and structure; recruiting, selecting, training, motivating, and supervising salespeople). Prerequisite: MKTG 305

MGKT 436 Retailing Management (4): Overview of the different retail organizations and retail activities. Organization and management of retail institutions. Emphasis on retail store operations—location, layout, planning, managing human resources, pricing, and customer services. Design of retail and merchandising strategies. Prerequisite: MKTG 305

MGKT 438 Quantitative Methods in Marketing (4): Quantitative skills needed for managerial decisions related to marketing. Topics include strategic marketing decisions, market segments evaluation, target market selection, profitability analysis and financial ratios, new products/projects evaluation, pricing and margins, distribution alternatives evaluation, operating efficiency indicators, inventory management and control, setting promotional budget, and budget allocation among different promotional tools.

MGKT 444 eCommerce Marketing and Consumer Behavior (4): Initiating an on-line marketing program. Using the Internet to assess consumer preferences, develop strategies, and appeal to consumers. The employment of electronic storefronts to attract consumer interest in online products and services.

MGKT 476 Reading Tutorial in Marketing (1-4): Critical engagement with the current scholarly literature in marketing. May be repeated for additional credit with consent of the instructor. Prerequisites: Consent of the instructor & the dean's office

MGKT 484 Marketing Internship (1-4): A ten-week structured and supervised work experience culminating in an academic paper. Open only to students who have completed appropriate prerequisite classes. Prerequisite: MKTG 358
MKTG 487 International Marketing (4): Methods utilized for developing marketing strategies in the global market. Cultural, political, legal, economic, and distribution differences within foreign markets. **Prerequisite: MKTG 358**

MKTG 495 Topics in Marketing (1-4): Advanced issues in marketing. May be repeated for additional credit with consent of the instructor. **Prerequisite: Consent of the instructor**

MKTG 499 Directed Study (1-4): Independent study under the direction of a supervisor on a topic selected by the faculty member and the student, with regular and periodic conferences with the instructor. **Prerequisites: Consent of the instructor & the dean's office. Restriction: Open only to students with senior standing**
The School of Education

Department of Curriculum & Instruction

Department Faculty

Sandra J. Balli
Professor of Curriculum and Instruction (2005)
PhD University of Missouri 1995
Curriculum and instruction, instructional theory and practice

Linda B. Caviness, Chair
Professor of Curriculum and Instruction (1999)
PhD Andrews University 2001
Leadership, cognitive science, philosophy

Lolita N. Davidson
Associate Professor of Curriculum and Instruction (2006)
EdD Loma Linda University 1991
Curriculum and instruction

Elissa Kido
Professor of Curriculum and Instruction (2001)
EdD Boston University 1980
English education

Collaborating Faculty

Melvin D. Campbell
PhD Purdue University 1963
Chemistry

Teri Fischer
MA
Curriculum and instruction, reading specialist, special education

Sylvia Gallegos
Credentials analyst

Gale Gorke
EdD La Sierra University
Curriculum and instruction, educational administration and leadership

Douglas Herrmann
EdD La Sierra University (2009)
Administration and leadership

Janet Mallery
EdD Loma Linda University 1989
Curriculum and instruction

Wallace D. Minder
EdD Loma Linda University 1984
Administration

Anita O. Oliver
Professor of Curriculum and Instruction (1990)
PhD University of Wisconsin - Madison 1993
Curriculum and instruction, educational policy studies

Tonya R. Perry
EdD La Sierra University 2006
Curriculum and instruction, school psychology

Pamela Ramsey
MA La Sierra University 1993
Special education

Datha Tickner
MA
Curriculum and instruction

Adjunct Faculty

VirLyn Burton, MA
La Sierra University

Melvin D. Campbell, PhD
Purdue University 1963 chemistry

August Champlain, MA
La Sierra University, English

Jeremy Denson, MA
La Sierra University, Curriculum and Instruction

Teri Fischer, MA
Curriculum and Instruction, Reading Specialist, Special Education

Gale Gorke, EdD
La Sierra University
Curriculum and Instruction, Educational Administration and Leadership

William Green, PhD
University of Oregon-Eugene

Douglas Herrmann, EdD
EdS La Sierra University (1992)
Administration and Leadership
EdD (2010)
Preparation for Teaching

Students preparing to teach at the secondary level should plan to qualify for state of California teaching credentials by completing the bachelor’s degree and passing the CSET subject area assessment. During the freshman year, prospective teachers of both secondary and elementary levels should consult the credential analyst and the Department of Curriculum and Instruction in the School of Education for detailed information concerning requirements.

A further program leading to the Master of Arts in Teaching degree (MAT) in Curriculum and Instruction designed for prospective elementary and secondary teachers is described in the Graduate Bulletin.

Curriculum and Instruction Mission Statement

The Department of Curriculum and Instruction seeks to empower students through a process of seeking, knowing, and serving. Students will study theoretical principles and pedagogical practices in an effort to gain professional, ethical, and caring practices.

The mission statement in the Department is based on the University Mission Statement, which is: “To seek truth, enlarging human understanding through scholarship; To know God, ourselves, and the world through reflection, instruction, and mentoring; To serve others, contributing to the good of our local and global communities.”

The Department of Curriculum and Teacher Education in the La Sierra University School of Education is undergirded with the basic philosophy that all persons learn from their surroundings, and that learning and schooling are not synonymous. The Department has two major purposes. The first is the development of competent, professional teachers who are prepared to serve effectively in public schools and in private schools. The second major purpose is to provide opportunities for educators seeking advanced degrees who wish to hone their teaching skills.

The Department seeks to train and develop professional teachers who have the appreciation, skills, and teaching strategies necessary to create a warm, loving, caring classroom climate where effective learning takes place. Professionalism and Christian principles are not mutually exclusive.

The Department seeks to develop in its students the ability to do creative and independent thinking and to cultivate in them an acquaintance with basic facts and principles of the major fields of knowledge, together with a more specialized mastery in one of them. The students should acquire an attitude of open-minded consideration of controversial issues, and should develop a continuing intellectual curiosity that will extend through their post-college years.

The Department desires to help students accept and practice those ethical and moral concepts which are approved by the
enlightened conscience of human kind, to develop tolerance for the rights and opinions of others, to be considerate of the sensitivities of those from diverse ethnic, cultural, and socioeconomic groups, and to cultivate the ideal of service to humanity.

The Department endeavors to provide its students with an understanding of the privileges of citizenship, a sincere love of country, and a willingness to cooperate in bringing about improvements in the social order through education whether public or non-public.

The Teacher Education program is predicated upon a belief in the uniqueness and worth of each individual and of the importance of the systematic development of the whole person. The students in the Department, it is hoped, will develop a positive self-image and will strive to reach the highest possible attainments.

**Teacher Education Programs**
*(Blended Undergraduate Teacher Education and Master of Arts in Teaching)*

The Teacher Education Program is offered in two ways. One as a program blended into an undergraduate degree in which students take the methods courses and the prerequisite courses for the program as part of their undergraduate degree. The Teacher Education Program and the Liberal Studies Program are both State of California approved. Even though this is the case, students completing the Liberal Studies Program are required by the California Commission on Teacher Credentialing (CCTC) to take the California Subject Examination for Teachers (CSET) in addition to completing the program.

The second way is through the MAT, which is the approved Teacher Education Program with the addition of graduate courses that enhance students’ ability to teach in California schools. The Master of Arts in Teaching is a 54 quarter unit degree. Students in both the blended undergraduate program and the Master of Arts are required to take the examinations required by the State of California.

Because the Teacher Education Program is a California Commission of Teacher Credentialing approved program, program decisions are always made based on the requirements of the State of California and the North American Division of Seventh-day Adventists and the Pacific Union Conference of Seventh-day Adventists.

Throughout the teacher education program students have periodic assessments. As the information returns to the department from the standardized tests, as well as the Teaching Performance Assessments, change may be made to processes but not to content. As this is a State of California program, there is little adjustment to content that can be made.

**Examinations**

The examination candidates in Teacher Education are required to take are:

**At the beginning of the program:**

- CBEST: California Basic Education Skills Test

**After taking the Reading and Language Arts courses:**

- RICA: Reading Instruction Competence Assessment

**Immediately after completion of the bachelor’s degree, or prior to acceptance into the MAT:**

- CSET: California Subject Examination for Teachers

**Throughout the program:**

- TPA: Teaching Performance Assessments

The Teaching Performance Assessment (TPA) has four components. The total time for a student to complete the four examinations is about 20 hours per test for a total of 80 hours. The Teaching Performance Assessments (TPAs) are based on the 13 Teaching Performance Expectations (TPEs).

**The places throughout the program where examinations are given are indicated in bold type in the following program progression.**

**The CBEST examination is required prior to entering the Teacher Education Program.**

| **CBEST: California Basic Education Skills Test** |
|-------------------------------|-----------------|-------------|
| **EDCI**                      | **UG**          | **GRAD**    |
| **Teaching Performance**      | **Assessment Seminar (1)** | EDCI 498  or 500 |
| **TPA 1 Subject-Specific Pedagogy (Required for course completion)** |                     |             |
| **Classroom Management**      | EDCI 410        | or 510 (2)  |
| **Classroom Management Lab**  | EDCI 410L       | or 510L (1) |
| **Reading K-8**               | EDCI 414        | or 520 (4)  |
| **Reading K-8 Lab**           | EDCI 414L       | or 520L (1) |
| **Mathematics K-8**           | EDCI 415        | or 521 (3)  |
| **Mathematics K-8 Lab**       | EDCI 415L       | or 521L (1) |
| *(Includes TPA 2 Designing Instruction)* |             |             |
| **Language and Literacy K-12**| EDCI 416        | or 522 (3)  |

**RICA Examination**

- **Culture, Society, Religion & Ethics** EDCI 417 or 523 (4)
- **Science and Health K-8** EDCI 418 or 527 (3)
- **Science and Health K-8 Lab** EDCI 418L or 527L (1)

**CSET: California Subject Examination for Teachers (must be passed prior to student teaching)**

- **Student Teaching** EDCI 425 or 524*  
- **TPAs 3 and 4 are completed during student teaching**  
- **TPA 3 Assessing Learning; TPA 4 Culminating Teaching Experience** Students who wish to obtain Secondary Credentials in addition to Elementary Credentials are required to take EDCI 429, 429L, 430, & 430L. Students should see an advisor before beginning teacher education for other program variances.
The CBEST examination is required prior to entering the Teacher Education Program.

**CBEST: California Basic Education Skills Test**

<table>
<thead>
<tr>
<th>SECONDARY</th>
<th>UG</th>
<th>Grad</th>
</tr>
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<tbody>
<tr>
<td>Teaching Performance Assessment Seminar (1)</td>
<td>EDCI 498</td>
<td>or 500</td>
</tr>
</tbody>
</table>

**TPA 1 Subject-Specific Pedagogy (Required for course completion)**

<p>| | |</p>
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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Classroom Management</td>
<td>EDCI 410</td>
</tr>
<tr>
<td>Classroom Management Lab</td>
<td>EDCI 410L</td>
</tr>
<tr>
<td>Reading in the Content Area</td>
<td>EDCI 419</td>
</tr>
<tr>
<td>Reading in the Content Area Lab</td>
<td>EDCI 419L</td>
</tr>
</tbody>
</table>

*(includes TPA 2 designing Instruction)*

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Language and Literacy K-12</td>
<td>EDCI 416</td>
</tr>
<tr>
<td>Culture, Society, Religion &amp; Ethics</td>
<td>EDCI 417</td>
</tr>
<tr>
<td>Middle School Theory &amp; Practice</td>
<td>EDCI 429</td>
</tr>
<tr>
<td>Middle School Theory &amp; Practice Lab</td>
<td>EDCI 429L</td>
</tr>
<tr>
<td>Secondary Theory &amp; Practice</td>
<td>EDCI 430</td>
</tr>
<tr>
<td>Secondary Theory &amp; Practice Lab</td>
<td>EDCI 430L</td>
</tr>
</tbody>
</table>

**CSET: California Subject Examination for Teachers**

*(Secondary candidates are required to take the CSET in the subject area in which they intend to teach)*

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>Student Teaching</td>
<td>EDCI 457</td>
</tr>
<tr>
<td>or 556 (18)</td>
<td></td>
</tr>
</tbody>
</table>

**TPAs 3 and 4 are completed during student teaching**

Students who wish to obtain Elementary Credentials in addition to Secondary Credentials are required to take EDCI 415, 415L, 418, & 418L.

The Teaching Performance Assessments are designed to assess The Teaching Performance Expectations.

The TPs are:
- Task 1: Subject-Specific Pedagogy
- Task 2: Designing Instruction
- Task 3: Assessing Learning
- Task 4: Culminating Teaching Experience

To complete a Master of Arts in Teaching, the following four courses must be completed.

**DISCIPLINE CORE**

<table>
<thead>
<tr>
<th>Course</th>
<th>EDCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integration of Faith and Learning</td>
<td>512 (3)</td>
</tr>
<tr>
<td>Curriculum Planning</td>
<td>514 (3)</td>
</tr>
</tbody>
</table>

**FIFTH-YEAR CORE**

<table>
<thead>
<tr>
<th>Course</th>
<th>EDCI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computers in the Classroom</td>
<td>516 (3)</td>
</tr>
<tr>
<td>Special Education in the Regular Classroom</td>
<td>564 (3)</td>
</tr>
<tr>
<td>MAT Total: 54 units</td>
<td></td>
</tr>
</tbody>
</table>

**LOWER DIVISION**

**EDCI 204 Teaching in the Multicultural Classroom (3):**
This is the first course en route to a teaching credential. In addition to an introduction to the history of public education, the following topics are covered: motivation, lesson design, teaching strategies, discipline and management, and professionalism. An observation component is based on these last five areas. This course is required for admission to teacher education. ELD components are addressed.

**UPPER DIVISION**

**EDCI 408 Teaching Student Missionaries (3):**
This course is based on the recognized need for Teaching Student Missionaries to teach with confidence for one year in a country outside the United States. The course will examine issues related to content standards, thinking, questioning, and applying of teaching principles, theories, methods and strategies to educational sites. Materials for the course will assist TSMs with the initial teaching experience K-12.

**EDCI 409 Teaching Student Missionaries Fieldwork (3):**
Teaching Student Missionaries who will teach for one full academic year in a school outside the United States. The Student Missionary will be supervised on site by their principal or other professional educator. Formal evaluations will be done on site and the evaluation reports will be sent to the Department of Curriculum and Instruction. **Prerequisite: EDCI 408**

**EDCI 414 Reading K-8 (4):**
This course is designed to aid the prospective teacher in developing knowledge and skills in the teaching of developmental reading in grades K-8 to all students (including struggling readers, English learners, speakers of non-standard English, and students with special needs). The specific components of the reading process are examined as well as a variety of alternative methods and materials to be used in multilingual instruction. The assessment of students' strengths and weaknesses relative to the reading act, the development of curriculum objectives, and the planning of instruction are also included. Application of skills and knowledge are provided through a fieldwork experience in which class members instruct groups of students in the elementary or junior high school reading class. ELD components and mild/moderate disabilities are addressed. Lesson plans are aligned with state standards and curriculum frameworks. **Prerequisites: EDCI 204, EDFO 305 & acceptance into the Teacher Education program**
EDCI 414L Reading K-8 Laboratory (1): Application of skills and knowledge is provided through a fieldwork experience in which class members instruct groups of students in the elementary or junior high school reading class. Candidates prepare lesson plans that are aligned with state standards and curriculum frameworks. Concurrent registration in EDCI 414 is required.

EDCI 415 Mathematics K-8 (3): This course includes curriculum organization, methods, materials, instructional aids, observation and micro-teaching. ELD components and mild/moderate disabilities are addressed. Prerequisites: EDCI 204, EDFO 305 & acceptance into the Teacher Education program

EDCI 415L Mathematics K-8 (1): This practicum is provided in a multicultural classroom where students may develop their teaching skills by putting theory into practice. Concurrent registration in EDCI 415 is required.

EDCI 416 Language and Literacy K-12 (3): The focus of this course is to prepare teachers in pedagogical skills appropriate for all students (including struggling learners, English learners, speakers of non-standard English, and students with special needs) who are linguistically, culturally, and economically diverse. Included are curriculum organization, methods, materials, and instructional aids. Observation and microteaching in multicultural classrooms is part of the fieldwork for this course. Development of skills to teach language, writing, and basic language skills necessary for successful use of the English language in both elementary and secondary schools. Methods, practices, and theories that are appropriate for the linguistically diverse students in first and second language development are also included. ELD components and mild/moderate disabilities are addressed. All candidate lesson plans are aligned with current state standards and frameworks. Prerequisite: EDCI 204, EDFO 305 & acceptance in to Teacher Education program

EDCI 417 Culture, Society, Religion, and Ethics (4): This course focuses on pedagogy, theory, research, and practice relating to the historical, legal, social, political, religious, and economic understandings of multiple linguistic and cultural groups as they relate to education in California. Students will demonstrate their ability to appropriately use English to teach and communicate. There will be a focus on use of appropriate materials and the ability to plan equitable lessons. Teaching religion, values, and spirituality in Seventh-day Adventist schools, teaching about religion in public schools, and the practice of ethical and moral teaching are topics covered. Prerequisites: EDCI 204, EDFO 305 & acceptance into the Teacher Education program

EDCI 418 Science and Health K-8 (3): Identifies the scope, sequence, methods, materials, and equipment utilized in teaching science and health. Coordinates the student’s learning experience in science and health among the home, school, and community. ELD components addressed. Prerequisites: EDCI 204, EDFO 305 & acceptance into the Teacher Education program

EDCI 418L Science and Health K-8 Lab (1): Application of skills and knowledge is provided through a fieldwork experience in which class members instruct groups of students in the elementary or junior high school science class. Concurrent registration in EDCI 418 is required.

EDCI 419 Reading in the Content Area (4): Designed to assist the prospective single subject teacher to acquire knowledge and skills in teaching reading. The specific components of the reading process are examined as well as appropriate methods and materials to be used in reading instruction for all students (including struggling readers, English learners, speakers of non-standard English and students with special needs). Assessment of students’ strengths and weaknesses relative to the reading act, the development of curriculum objectives, and planning of instruction are also included. Applications of skill and knowledge are provided through a practicum, in a single subject classroom. ELD components and mild/moderate disabilities are addressed. All lesson plans are aligned with current state standards and frameworks. Prerequisites: EDCI 204, EDFO 305 & acceptance into the Teacher Education program

EDCI 419L Reading in the Content Area Laboratory (1): Application of skills and knowledge are provided through a fieldwork experience in which class members instruct groups of students in the secondary reading class. Concurrent registration in EDCI 419 is required.

EDCI 420 Curriculum Strategies for Students with Mild/Moderate Disabilities (3): Strategies for teaching students with mild/moderate disabilities in the areas of reading, language and literacy, mathematics, and science and health. Emphasis is on specific pedagogical strategies and other special education issues. Prerequisite: Completion of all required courses for a teaching credential

EDCI 425 Student Teaching in the Elementary School (1-20): Provides the supervised teaching experience required for state and Seventh-day Adventist credentials. This weekly seminar addresses the organization and management of the classroom, discipline, and other relevant issues. A total of 18 weeks of full-time participation is required. Prerequisites: EDCI 204, 410, 414, 415, 416, 417 & 418; EDFO 305; FBI & DOJ Certificate of Clearance; CSET, CBEST, CPR & TB tests; U.S. Constitution requirements; TPAs 1 & 2; & acceptance into the Teacher Education program
EDCI 428 Curriculum and Instruction in Special Education (3): Study of practices and trends in educational programming for all exceptional students. Includes the development of knowledge and skills in defining objectives, planning instruction, assessment, evaluation of children with special needs, and program evaluation. Provides practicum in special schools and classes for disabled. Prerequisite: EDPC 460

EDCI 429 Middle School Theory & Practice (3): This course is designed to prepare the in-service secondary teacher to (1) develop skills in the use of a wide variety of teaching strategies; (2) gain a knowledge and understanding of classroom organization and planning; (3) understand and teach to the various diverse student populations; (4) understand the professional, historical, and political issues involved in teaching; and (5) understand the use of curriculum frameworks for the State of California and the North American Division of Seventh-day Adventists. Prerequisites: EDCI 204, EDFO 305 & acceptance into the Teacher Education program

EDCI 429L Middle School Theory & Practice Laboratory (1): A field experience is required for application of skills learned in the course. The field experience will be in a single subject classroom. Concurrent registration in EDCI 429 is required. All candidate-produced lesson plans are aligned with current state standards and frameworks.

EDCI 430 Secondary Theory and Practice (3): Involves selecting and organizing learning materials and opportunities. Identifies appropriate teaching strategies and provides instruction in developing course outlines and unit plans. Deals with the organization, management, and discipline of the classroom. A practicum is required for students without teaching experience. Prerequisites: EDCI 204, 429, EDFO 305 & acceptance into the Teacher Education program

EDCI 430L Secondary Theory and Practice Laboratory (1): A field experience is required for application of skills learned in the course. The field experience will be in a single subject classroom. Concurrent registration in EDCI 430 is required. All candidate-produced lesson plans are aligned with current state standards and frameworks.

EDCI 432 Instructing the Learning Handicapped (3): A study of educational models and strategies for teaching the learning handicapped students. Includes an investigation of the characteristics of students with learning problems as well as instructional techniques for promoting maximum cognitive and social development, with an emphasis on the use of computers in the curriculum. A 25 hour practicum of observation and instruction is a component of this course. Prerequisite: EDCI 564 or EDPC 460

EDCI 433 Instructing Students with Behavior Disorders (3): Designed to aid special education and regular education teachers to maximize educational experiences for students with behavior disorders in elementary and high schools. Emphasis is placed on the forces which have an impact on behavioral, academic, social, and communication skills in students with behavior disorders. (See EDCI 533.)

EDCI 456 Student Teaching of Religion in Secondary Schools (9): Provides the supervised teaching experience required for Seventh-day Adventist credentials. Weekly seminar on the organization and management of the classroom and other relevant issues. Prerequisites: EDCI 204, 417, EDFO 305 & acceptance into the student teacher program

EDCI 457 Student Teaching in the Secondary School (3-20): Provides the supervised teaching experience required for state and Seventh-day Adventist credentials. Weekly seminar on the organization and management of the classroom and other relevant issues. All candidate-produced lesson plans are aligned with current state standards and frameworks. Prerequisites: EDCI 204, 410, 416, 417, 419, 429 & 430; EDFO 305; CSET, CBEST, CPR & TB tests; U.S. Constitution requirements; TPAs 1 & 2; & acceptance into the Teacher Education program

EDCI 464 Special Education in the Regular Classroom (3): Identifies emerging responsibilities of the regular educator for the education of children with special needs. Methods of identifying such children and developing for them individualized programs and appropriate teaching strategies.

EDCI 498 Teaching Performance Assessment Seminar (1): The State of California requires that all multiple and single subjects credential candidates attending California teacher preparation programs pass the four Teaching Performance Assessments. This seminar prepares students to take the four Teaching Performance Assessments.

EDCI 499 Projects and Topics in Curriculum & Instruction (1-3): Individual research and study under the guidance of a curriculum instructor. A minimum of 30 clock hours of study time is expected for each unit of credit. Prerequisites: Consent of instructor & department chair
The School of Education

Department of School Psychology & Counseling

Department Faculty

Chang-Ho Ji, Chair
Professor of School Psychology and Counseling (1994)
PhD Andrews University 1995
PhD University of California, Riverside 2005

Dora Clarke-Pine
Associate Professor of School Psychology and Counseling
(2002)
PhD Andrews University 1995

Shirley M. Gregg
Associate Professor of School Psychology and Counseling
(2006)
PhD Capella University 2003

COURSE

UPPER DIVISION

EDPC 460 The Exceptional Child (3-4): A study of the determinants, characteristics, problems, and adjustments of children with mental, physical, emotional, or social disabilities, and of gifted and talented children. Intervention techniques used with children with disabilities, rights of children under the Americans with Disabilities Education Act. Open to upper division, graduate, or postgraduate students only. Credit not allowed for both this course and PSYC 464.
Department Faculty

John W. Webster, Dean
Professor of Theology and History of Christianity (1999)
PhD Princeton Theological Seminary 1995
Systematic theology, history of Christianity, philosophy, ethics

Douglas R. Clark, Associate Dean
Professor of Biblical Studies and Archaeology (2007)
PhD Vanderbilt University 1984
Biblical languages, old testament, archaeology

Warren C. Trenchard, Director of Graduate Programs
PhD University of Chicago 1981
Biblical languages, new testament background and interpretation, early Christian literature

Kent Bramlett
Assistant Professor of Archaeology and History of Antiquity (2010)
PhD University of Toronto 2009
Biblical languages, near eastern archaeology, and history of antiquity

Lawrence T. Geraty
Professor of Archaeology and Old Testament Studies (1993)
PhD Harvard University 1972
Old testament studies, archaeology

V. Bailey Gillespie
Professor of Theology and Christian Personality (1970)
PhD Claremont Graduate University 1973
Theology, christian nurture, ministry

Fritz Guy
Research Professor of Philosophical Theology (1961, 1990)
DD hc La Sierra University 2002
PhD University of Chicago 1971
Theology, philosophy of religion, ethics

Kendra Haloviak-Valentine
Associate Professor of New Testament Studies (2001)
PhD Graduate Theological Union 2002
New testament studies, biblical languages

Ginger Hanks-Harwood
Associate Professor of Religious and Theological Studies (1997)
PhD Iliff School of Theology, University of Denver 1991
Social ethics, theology, history of Christianity

Maury D. Jackson
Assistant Professor of Practical Theology (2009)
DMin Claremont School of Theology 2007
Practical theology, ethics, philosophy

John R. Jones
Associate Professor of New Testament Studies and World Religions (1990)
PhD Vanderbilt University 1982
Biblical languages and background, scriptural interpretation and theology, phenomenology of religions

Wonil Kim
Associate Professor of Old Testament Studies (1994)
PhD Claremont Graduate University 1996
Exegesis, theology, and hermeneutics of the old testament

Charles Teel, Jr.
Professor of Religion and Society (1967)
PhD Boston University 1972
Religion and society, Christian ethics

Randal R. Wisbey, University President
Associate Professor of Ministry (2007)
DMin Wesley Theological Seminary 1990
Pastoral and youth ministry

Collaborating Faculty

John C. Brunt
PhD Emory University 1978
Homiletics

Gary Chartier
JD University of California, Los Angeles 2001
PhD University of Cambridge 1991
Theology and ethics

Gerard Kiemeney
DMin Fuller Theological Seminary 1993
Ministry
The H.M.S. Richards Divinity School Undergraduate Department of Religion

Samuel Leonor  
MDiv Andrews University 1998  
Introduction to Adventist beliefs

Katherine Parsons  
MA University of Cambridge 2006  
History of Christianity

Hector Ramal  
DMin Andrews University 1994  
Preaching & ministry fieldwork

Richard Rice  
PhD University of Chicago 1974  
Systematic and philosophical theology

Siegfried Roeske  
PhD Andrews University 1997  
Christian beliefs

Bernard Taylor  
PhD Hebrew Union College 1989  
Biblical languages, old testament theology

Calvin Thomsen  
PhD Loma Linda University 2008  
DMin Fuller Theological Seminary 1985  
Pastoral counseling and ministry

Degrees Offered

Bachelor of Arts degrees in:  
- Archaeology  
- Religious Studies  
- The Pre-Seminary Program -- The pre-seminary program prepares students for ministry as well as for seminary or graduate education in ministry, and may be pursued along with any desired major.  
- Minors in Archaeology, Biblical Languages, & Religious Studies

Graduate Programs

Programs leading the Master of Divinity, the Certificate in Ministry, the Master of Arts in Religion, and the Master of Theological Studies are described in the graduate bulletin.

Mission

The undergraduate Religion department is committed to the following endeavors:

I. In seeking truth, the Divinity School fosters the scholarship of discovery by:  
   A. Encouraging research on the part of faculty and students  
   B. Encouraging faculty participation in the discourse of scholarship; and  
   C. Encouraging students in continued personal and academic study of the Scriptures, theology, and religion.

II. In knowing God, ourselves, and the world, the Divinity School fosters theological learning as follows:  
   A. With regard to general education, the department provides general religious studies for all students in every school of the University. Based upon the central Christian belief in one God, Creator of the world and Redeemer of mankind, these studies explore the Bible as the inspired Word of God, provide instruction in Christian faith, examine the history and mission of the church, and offer spiritual guidance for the Christian life.
   B. With regard to the academic and professional needs of specialists, the department provides:  
      i. The Bachelor of Arts in Archaeology  
      ii. The Bachelor of Arts in Religious Studies  
      iii. The pre-seminary program2  
      iv. Four graduate programs in the H.M.S. Richards Divinity School:3  
         a. Master of Divinity (MDiv)  
         b. Certificate of Ministry (CMin)  
         c. Master of Arts in Religion (MA)  
         d. Master of Theological Studies (MTS)

III. In serving campus, church and community, the Divinity School encourages its faculty to provide pastoral leadership by regularly participating in ecclesiastical consultations, continuing education programs, lecture series, conferences and workshops. In addition to regularly preaching and leading out in other functions in local congregations, the faculty produce resources for pastors and lay members. The

1. The Bachelor of Arts in Religious Studies complements the pre-seminary curriculum, and by itself comprises a strong liberal-arts major as a foundation for a career in the pastoral, legal, teaching, public service, medical, or other health-related professions.

2. The School provides undergraduate training for the ministry and in preparation for seminary and graduate study. The department's pre-seminary curriculum, taken in conjunction with a major of the student's choice, lays a foundation for further professional or academic preparation at the graduate level.

3. The School offers graduate education leading to the masters degree:  
   A) In the academic track, the Master of Arts in Religion provides for specialization in religious, Christian, and Adventist studies. A major is selected from the traditional fields of religious and theological study.  
   B) In the professional track the Master of Divinity, the Master of Pastoral Studies, and the Master of Ministry cover the core theological disciplines, with particular emphasis on the various dimensions of ministry, with optional concentrations available in pastoral leadership, youth ministry, pastoral counseling, religious education, and other areas.
department also conducts the annual Paul J. Landa and H.M.S. Richards, Jr. Lectures, and provides, to both the church and community, the expertise and resources available within the Divinity School (including the Stahl Center for World Service, the John Hancock Center for Youth and Family Ministries, and the H.M.S. Richards Library, as well as other expertise and resources on the campus, especially in archaeology) and in the church at large.

IV. Learning Goals and Outcomes for the Archaeology Major

The Archaeology Major (and Minor) provides students interested in Near Eastern archaeology, history, literature, art, and religion a cross-disciplinary curriculum intended to prepare such students for careers in teaching, archaeological research, and other opportunities such as Cultural Resources Management. Its reach across the disciplines of Bible, religion, anthropology, archaeology, ancient history and languages takes advantage of existing courses and curricula, combining many of the various areas involved in the modern field of archaeological research. Students may also want to consider courses in the sciences and computer science, as these too represent important aspects of current archaeological practice.

Students completing the Archaeology Major will:

I. Understand the broad historical outlines and geography of the Near East
II. Understand the anthropological underpinnings of modern archaeological research
III. Understand the history of archaeological research in the Near East.
IV. Understand the nature and extent of archaeological research in the Near East
V. Understand and apply the basic archaeological methodologies used in current research
VI. Understand and appreciate the relationship between ancient texts, especially the Bible, and archaeological findings.

Learning Goals and Outcomes for the Religious Studies Major

Students will be:

I. Aware of and Informed Regarding Spiritual and Religious Experience and Expression: Students will explore the nature of religion and spirituality and their expression.
   A. Students will demonstrate the value of personal spiritual formation in a holistic context.
   B. Students can describe the phenomenon of religion.
   C. Students can analyze the nature and various expressions of various expressions of various religions.
II. Knowledgeable about Christian Beliefs and Heritage: Students will understand the historical roots and major tenets of the Christian faith.
   A. Students will demonstrate a general knowledge of the history of Christianity.
   B. Students will develop skills in historical, philosophical, and theological analysis.
   C. Students will demonstrate a general knowledge of the key doctrines of the Christian Faith.
   D. Students will demonstrate a general knowledge of the doctrines of the SDA Church, and their historical and cultural contexts.
III. Engaged with Sacred Texts: Students will develop skills with which to interpret the Biblical texts.
   A. Students will demonstrate a knowledge of the literature, history, social context and content of the Old and New Testaments.
   B. Students will demonstrate knowledge of a range of approaches to the study of the Bible.
   C. Students will demonstrate exegetical skills when interpreting sacred texts.
   D. Students will explore the relevance of Biblical texts.
IV. Informed on the Role of Religion in Society: Students will explore religious and philosophical ethics and their applications.
   A. Students will be aware of the functions of religion in society.
   B. Students will understand the nature of society and sociological analysis.
   C. Students will demonstrate knowledge of personal and social ethics.
   D. Students can apply ethical principles to varied situations in life.
Learning Goals and Outcomes for the Pre-Seminary Program

Students will be:

I. Aware of and Informed Regarding Spiritual and Religious Experience and Expression: Students will explore the nature of spirituality and its expression.
   A. Students will demonstrate the value of personal spiritual formation in a holistic context.

II. Knowledgeable about Christian Beliefs and Heritage: Students will understand the historical roots and major tenets of the Christian faith.
   A. Students will demonstrate a general knowledge of the history of Christianity.
   B. Students will develop skills in historical, philosophical, and theological analysis.
   C. Students will demonstrate a general knowledge of the key doctrines of the Christian Faith.
   D. Students will demonstrate a general knowledge of the doctrines of the SDA Church, and their historical and cultural contexts.
   E. Students will demonstrate an understanding of the life and ministry of Ellen G. White

III. Engaged with Sacred Texts: Students will develop skills with which to interpret the Biblical texts.
   A. Students will demonstrate a knowledge of the literature, history, social context, and content of the Old and New Testaments.
   B. Students will demonstrate knowledge of a range of approaches to the study of the Bible.
   C. Students will demonstrate exegetical skills when interpreting sacred texts.
   D. Students will explore the relevance of Biblical texts.
   E. Students will develop appropriate competencies in Biblical Hebrew and Greek.

IV. Competency in Basic Skills of Pastoral Ministry: Students will develop the skills necessary for entry into various fields of ministry.
   A. Students will understand the nature and philosophy of ministry.
   B. Students will demonstrate hands-on skills of pastoral ministry.
   C. Students will develop communication and homiletic skills.

Ministerial Preparation

The pre-seminary program consists of a curriculum which is designed to meet entrance requirements for graduate or professional studies in Seventh-day Adventist or other seminaries or graduate schools. Taken in combination with a major of the student’s choosing, the pre-seminary track provides a foundation upon which to build the skills and knowledge essential to the Christian ministry; the Religious Studies major which is offered by the Divinity School is particularly compatible. Pre-seminary students are encouraged to work closely with their assigned pre-seminary advisor in the Divinity School as well as their regular major program advisor. In addition, we highly recommend that pre-seminary students, who wish to enhance their pastoral skills on the undergraduate level, include in their program some or all of the “practices package” of professional courses as listed below. These are offered on a two-year rotating cycle.

Students who are following the pre-seminary curriculum should apply no later than the fall quarter of their senior year for the Divinity School’s endorsement in their quest for denominational employment. Any such recommendation will form part of the student’s “portfolio” prepared for senior interviews with prospective employers during the winter quarter. In addition, students may be required to complete a prescribed battery of tests. These are planned, along with a counseling session, to help students evaluate themselves and their call to the ministry. Each application is considered by the faculty of the department, and a letter of response is inserted in the student’s portfolio.

The pre-seminary curriculum consists of a sequence of required and recommended courses (see further in the listing for details).

Workshops and Continuing Education

The Divinity School cooperates with the various schools and departments of the University and with denominational conference organizations in sponsoring significant workshops in various parts of the Pacific Union (and elsewhere) for church leaders and others. Well-known experts join with the University faculty and denominational leaders in providing the instruction. Workshops providing practical and theological information are available on request. Those interested in this service of the Divinity School should contact the dean’s office for up-to-date information and current charges. Such workshops are available on either a university-credit or noncredit (continuing education) basis.
MAJOR

Bachelor of Arts

ARCHAEOLOGY

Required: 62 units, as follows:

- 44 units of Core requirements:
  
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 215</td>
<td>Cultural Anthropology</td>
</tr>
<tr>
<td>ARCH/ANTH 216</td>
<td>Introduction to Archaeology</td>
</tr>
<tr>
<td>ARCH/RELB 445</td>
<td>Old Testament Archaeology</td>
</tr>
<tr>
<td>ARCH/RELB 446</td>
<td>New Testament Archaeology</td>
</tr>
<tr>
<td>ARCH 447</td>
<td>Archaeology Method and Theory</td>
</tr>
<tr>
<td>ARCH 494</td>
<td>Fieldwork in Middle East Archaeology</td>
</tr>
</tbody>
</table>

  Plus, choice of:
  
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH/HIST 432E</td>
<td>The Mediterranean World of Antiquity</td>
</tr>
<tr>
<td>ARCH/HIST 432F</td>
<td>Mesopotamian Archaeology &amp; History</td>
</tr>
<tr>
<td>ARCH/RELB 497</td>
<td>Seminar in Archaeology</td>
</tr>
<tr>
<td>RELB 206</td>
<td>Sacred Texts: Old Testament</td>
</tr>
<tr>
<td>RELB 207</td>
<td>Sacred Texts: New Testament</td>
</tr>
</tbody>
</table>

- 4-8 units of Anthropology/Geography/History electives:
  
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 325</td>
<td>Peoples of the World</td>
</tr>
</tbody>
</table>

  Plus, choice of:
  
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH/HIST 432F</td>
<td>Mesopotamian Archaeology &amp; History</td>
</tr>
<tr>
<td>ARCH/HIST 432E</td>
<td>The Mediterranean World of Antiquity</td>
</tr>
<tr>
<td>GEOG 276</td>
<td>Physical and Human Geography</td>
</tr>
<tr>
<td>RELH/HIST 445</td>
<td>History of Christianity I: Formation</td>
</tr>
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</table>

- 4-8 units of Art electives:
  
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTA 308</td>
<td>Art History: Ancient through Renaissance</td>
</tr>
<tr>
<td>ARTS 194</td>
<td>Photoshop and Illustrator Image Creation</td>
</tr>
<tr>
<td>ARTS 224</td>
<td>Drawing</td>
</tr>
<tr>
<td>ARTS 225</td>
<td>Photography</td>
</tr>
<tr>
<td>ARTS 274A/B</td>
<td>Ceramics</td>
</tr>
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- 6-9 units of Language electives:
  
<table>
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<tbody>
<tr>
<td>RELL 251, 252, 253</td>
<td>Beginning Latin (Classical)</td>
</tr>
<tr>
<td>RELL 381, 382, 383</td>
<td>Intermediate Greek (Classical)</td>
</tr>
<tr>
<td>ARAB 101, 102, 103</td>
<td>Arabic (Pre-classical)</td>
</tr>
<tr>
<td>RELL 481, 482, 483</td>
<td>Beginning Hebrew (Pre-classical)</td>
</tr>
<tr>
<td>RELL 491</td>
<td>Akkadian (Pre-classical)</td>
</tr>
</tbody>
</table>

RELIGIOUS STUDIES

Required: 64 units, as follows:

- The following RELB courses:
  
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELB 104</td>
<td>Jesus and the Gospels</td>
</tr>
<tr>
<td>RELB 206</td>
<td>Sacred Texts: The Old Testament Scriptures</td>
</tr>
</tbody>
</table>

  Plus, choice of:
  
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELB 409</td>
<td>Sacred Texts: Theory and Practice of Biblical Interpretations</td>
</tr>
<tr>
<td>RELG 306</td>
<td>Sacred Texts: The Literature of the World’s Religions</td>
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</table>

- The following RELE courses:
  
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>RELB 405</td>
<td>Biblical Ethics in the Modern World</td>
</tr>
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</table>

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<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELB 447</td>
<td>Religion and Society</td>
</tr>
<tr>
<td>RELB 454</td>
<td>Applied Ethics and Social Issues</td>
</tr>
<tr>
<td>RELB 448</td>
<td>Christian Professional Business Ethics</td>
</tr>
<tr>
<td>RELB 405</td>
<td>Moral Philosophy</td>
</tr>
</tbody>
</table>

  Plus, choice of:
  
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELB 457</td>
<td>Religion and Gender</td>
</tr>
<tr>
<td>RELB 455</td>
<td>Christian Understanding of Sexuality</td>
</tr>
<tr>
<td>RELB 459</td>
<td>Issues in Religious Ethics</td>
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</table>

- The following RELG courses:
  
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELG 235</td>
<td>Introduction to Religious Studies</td>
</tr>
</tbody>
</table>

  Plus, choice of:
  
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELG 237</td>
<td>World Religions</td>
</tr>
<tr>
<td>RELG 327</td>
<td>Asian Philosophical Tradition</td>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>RELG 267</td>
<td>Religious Faith and Life</td>
</tr>
</tbody>
</table>
• The following RELH courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELH 445</td>
<td>History of Christianity I: Formation</td>
</tr>
</tbody>
</table>

*Plus, choice of:*

- RELH 446  History of Christianity II: Reformation
- RELH 495  Reformation Lands Tour

*Plus, choice of:*

- RELH 483  History of Seventh-day Adventism
- RELH 447  History of Christianity III: Transformation
- RELH 488  Theology in the 20th Century
- RELH 497  Proseminar in Church History

• The following RELT courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELT 255</td>
<td>Theology I: Faith Seeking Understanding</td>
</tr>
</tbody>
</table>

*Choice of:*

- RELT 435  Christian Understanding of God and Humankind

- RELT 355  Theology II: God and Creation

- RELT 436  Philosophy of Religion (PHIL 204 recommended prerequisite)

*Plus, choice of:*

- RELT 455  Theology III: Reconciliation and Consummation
- RELT 434  Dimensions of Salvation

**MINORS**

**ARCHAEOLOGY**

Required: 32 units, as follows:

- 20 units of core requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ARCH/ANTH 216</td>
<td>Introduction to Archaeology</td>
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<tr>
<td>ARCH/RELB 445</td>
<td>Old Testament Archaeology</td>
</tr>
<tr>
<td>ARCH/RELB 446</td>
<td>New Testament Archaeology</td>
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<tr>
<td>ARCH 447</td>
<td>Archaeology Method and Theory</td>
</tr>
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<td>ARCH 494</td>
<td>Fieldwork in Middle East Archaeology</td>
</tr>
</tbody>
</table>

- 0-8 units of anthropology/geography/history electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ANTH 215</td>
<td>Cultural Anthropology</td>
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<tr>
<td>ANTH 325</td>
<td>Peoples of the World</td>
</tr>
<tr>
<td>ARCH/HIST 432E</td>
<td>The Mediterranean World of Antiquity</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ARCH/HIST 432F</td>
<td>Mesopotamian Archaeology &amp; History</td>
</tr>
<tr>
<td>ARCH 494</td>
<td>Fieldwork in Middle East Archaeology</td>
</tr>
<tr>
<td>ARCH/REL 497</td>
<td>Seminar in Archaeology</td>
</tr>
<tr>
<td>GEOG 276</td>
<td>Physical and Human Geography</td>
</tr>
<tr>
<td>RELH/HIST 445</td>
<td>History of Christianity I: Formation</td>
</tr>
</tbody>
</table>

• 0-4 units of art electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTA 308</td>
<td>Art History: Ancient through Renaissance</td>
</tr>
<tr>
<td>ARTS 194</td>
<td>Photoshop and Illustrator Image Creation</td>
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<td>Drawing</td>
</tr>
<tr>
<td>ARTS 255</td>
<td>Photography</td>
</tr>
<tr>
<td>ARTS 274A/B</td>
<td>Ceramics</td>
</tr>
</tbody>
</table>

• 0-4 units of language electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELL 251, 252, 253</td>
<td>Beginning Latin (Classical)</td>
</tr>
<tr>
<td>RELL 381, 382, 383</td>
<td>Intermediate Greek (Classical)</td>
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<td>ARAB 101, 102, 103</td>
<td>Arabic (Pre-classical)</td>
</tr>
<tr>
<td>RELL 481, 482, 483</td>
<td>Beginning Hebrew (Pre-classical)</td>
</tr>
<tr>
<td>RELL 491</td>
<td>Akkadian (Pre-classical)</td>
</tr>
<tr>
<td>RELL 494</td>
<td>Egyptian (Pre-classical)</td>
</tr>
<tr>
<td>RELL 497</td>
<td>ANE Language (Pre-classical)</td>
</tr>
</tbody>
</table>

**BIBLICAL LANGUAGES**

Required: 31 units, as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>RELL 281</td>
<td>Beginning Greek I</td>
</tr>
<tr>
<td>RELL 282</td>
<td>Beginning Greek II</td>
</tr>
<tr>
<td>RELL 283</td>
<td>Beginning Greek III</td>
</tr>
<tr>
<td>RELL 381</td>
<td>Intermediate Greek I</td>
</tr>
<tr>
<td>RELL 382</td>
<td>Intermediate Greek II</td>
</tr>
<tr>
<td>RELL 383</td>
<td>Intermediate Greek III</td>
</tr>
<tr>
<td>RELL 481</td>
<td>Basic Hebrew I</td>
</tr>
<tr>
<td>RELL 482</td>
<td>Basic Hebrew II</td>
</tr>
<tr>
<td>RELL 483</td>
<td>Basic Hebrew III</td>
</tr>
</tbody>
</table>

*Plus, choice of:*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELL 484</td>
<td>Intermediate Hebrew I</td>
</tr>
</tbody>
</table>

*OR*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELB 409</td>
<td>Sacred Texts: Theory and Practice of Biblical Interpretation</td>
</tr>
</tbody>
</table>

La Sierra University Undergraduate Bulletin 253
**RELIGIOUS STUDIES**

Required: 32 units (16 upper division), to be selected from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELB 104</td>
<td>Jesus and the Gospels</td>
</tr>
<tr>
<td>RELB 206</td>
<td>Sacred Texts: The Old Testament Scriptures</td>
</tr>
<tr>
<td>RELG 235</td>
<td>Introduction to Religious Studies</td>
</tr>
</tbody>
</table>

Choice of:

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>RELE 447</td>
<td>Religion and Society</td>
</tr>
<tr>
<td>RELE 454</td>
<td>Applied Ethics and Social Issues</td>
</tr>
<tr>
<td>RELE 448</td>
<td>Christian Professional and Business Ethics</td>
</tr>
<tr>
<td>RELE 405</td>
<td>Moral Philosophy</td>
</tr>
</tbody>
</table>

Choice of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELH 483</td>
<td>History of Seventh-day Adventism</td>
</tr>
<tr>
<td>RELH 445</td>
<td>History of Christianity I: Formation</td>
</tr>
<tr>
<td>RELH 446</td>
<td>History of Christianity II: Reformation</td>
</tr>
<tr>
<td>RELH 447</td>
<td>History of Christianity III: Transformation</td>
</tr>
<tr>
<td>RELH 495</td>
<td>Reformation Lands Tour</td>
</tr>
</tbody>
</table>

Choice of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELT 255</td>
<td>Theology I: Faith Seeking Understanding</td>
</tr>
<tr>
<td>RELT 435</td>
<td>Christian Understanding of God and Humankind</td>
</tr>
</tbody>
</table>

Choice of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELT 355</td>
<td>Theology II: God and Creation</td>
</tr>
<tr>
<td>RELT 436</td>
<td>Philosophy of Religion</td>
</tr>
</tbody>
</table>

Choice of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELT 455</td>
<td>Theology III: Reconciliation and Consummation</td>
</tr>
<tr>
<td>RELT 434</td>
<td>Dimensions of Salvation</td>
</tr>
</tbody>
</table>

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**Pre-Professional Program**

**PRE-SEMINARY CURRICULUM**

Required: 43 units (25 upper division), as follows:

- The following RELB courses:

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>RELB 104</td>
<td>Jesus and the Gospels</td>
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<td>Sacred Texts: The Old Testament Scriptures</td>
</tr>
<tr>
<td>RELB 409</td>
<td>Sacred Texts: Theory and Practice of Biblical Interpretation</td>
</tr>
</tbody>
</table>

- The following RELH courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>RELH 254</td>
<td>Ellen G. White and the Church</td>
</tr>
<tr>
<td>RELH 483</td>
<td>History of Seventh-day Adventism</td>
</tr>
</tbody>
</table>

Plus, choice of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELH 445</td>
<td>History of Christianity I: Formation</td>
</tr>
<tr>
<td>RELH 446</td>
<td>History of Christianity II: Reformation</td>
</tr>
<tr>
<td>RELH 447</td>
<td>History of Christianity III: Transformation</td>
</tr>
<tr>
<td>RELH 495</td>
<td>Reformation Lands Tour</td>
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</tbody>
</table>

- The following RELP courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>RELP 101</td>
<td>Introduction to Ministry I</td>
</tr>
<tr>
<td>RELP 102</td>
<td>Introduction to Ministry II</td>
</tr>
<tr>
<td>RELP 361</td>
<td>Homiletics</td>
</tr>
<tr>
<td>RELP 374</td>
<td>Externship</td>
</tr>
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</table>

- The following RELT courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELT 255</td>
<td>Theology I: Faith Seeking Understanding</td>
</tr>
<tr>
<td>RELT 355</td>
<td>Theology II: God and Creation</td>
</tr>
<tr>
<td>RELT 455</td>
<td>Theology III: Reconciliation and Consummation</td>
</tr>
</tbody>
</table>
• Required Cognates: 24 units, as follows:

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>RELL 281</td>
<td>Beginning Greek I</td>
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<td>RELL 282</td>
<td>Beginning Greek II</td>
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<tr>
<td>RELL 283</td>
<td>Beginning Greek III</td>
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<td>RELL 381</td>
<td>Intermediate Greek I</td>
</tr>
<tr>
<td>RELL 382</td>
<td>Intermediate Greek II</td>
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<td>RELL 383</td>
<td>Intermediate Greek III</td>
</tr>
<tr>
<td>RELL 481</td>
<td>Basic Hebrew I</td>
</tr>
<tr>
<td>RELL 482</td>
<td>Basic Hebrew II</td>
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</table>

• Recommended Cognates:

<table>
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<tr>
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<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>PSYC 104</td>
<td>General Psychology</td>
</tr>
<tr>
<td>RELH 447</td>
<td>History of Christianity III: Transformation</td>
</tr>
<tr>
<td>Choice of:</td>
<td></td>
</tr>
<tr>
<td>RELH 446</td>
<td>History of Christianity II: Reformation</td>
</tr>
<tr>
<td>RELH 495</td>
<td>Reformation Lands Tour</td>
</tr>
</tbody>
</table>

• Recommended “Practics Package”:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>RELP 345</td>
<td>Spiritual Formation</td>
</tr>
<tr>
<td>RELP 349</td>
<td>Principles of Christian Worship</td>
</tr>
<tr>
<td>RELP 362</td>
<td>Homiletics II</td>
</tr>
<tr>
<td>RELP 374</td>
<td>Externship</td>
</tr>
<tr>
<td>RELP 397</td>
<td>Proseminar in Ministerial Studies</td>
</tr>
<tr>
<td>RELP 415</td>
<td>Youth Ministry and the Local Church</td>
</tr>
<tr>
<td>RELP 436</td>
<td>Pastoral Counseling</td>
</tr>
<tr>
<td>RELP 465</td>
<td>Principles and Practice of Evangelism</td>
</tr>
<tr>
<td>RELM 464</td>
<td>Theology of Mission</td>
</tr>
<tr>
<td>RELT 464</td>
<td>Religious Development and Moral Learning</td>
</tr>
</tbody>
</table>

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**COURSES**

A student must receive a grade of C or better in order for a class to count as a prerequisite for another course. This applies to both individual and sequenced classes unless otherwise specified.

**Archaeology**

**LOWER DIVISION**

ARCH 216 Introduction to Archaeology (4): Survey of research in the reconstruction of early culture sequences and the rise of ancient societies; field methods in archaeological research; cultural resource management. Cross-listed with ANTH 216.

**UPPER DIVISION**

ARCH 432E The Mediterranean World of Antiquity (4): Examination of the birth and development of Egyptian, Greek, Roman, and other civilizations that formed around the Mediterranean basin during antiquity. Particular focus will be given to the region's political, commercial, and cultural legacies to the West and how the Mediterranean served as a conduit for those activities and traditions. Cross-listed with HIST 432E.

ARCH 432F Mesopotamian Archaeology and History (4): Overview of the archaeology, history, religion, and literature of the peoples and cultures that inhabited ancient Mesopotamia, a region defined by the Tigris and Euphrates Rivers in what is modern Iraq and parts of Syria and Turkey. Both archaeological evidence and textual sources (Sumerian, Akkadian, and Luwian in translation) will be examined as relevant. Through our interpretation of the material culture, we will attempt to identify with the people, to perceive their ethos and the way they met, challenged, and lived life. From this study we will be able to appreciate the significant impact Mesopotamia had on civilization, both in the West, and ultimately, around the world.


ARCH 446 New Testament Archaeology (4): Examination of the contributions that archaeology makes to an understanding of the historical and cultural backgrounds of the New Testament. Cross-listed with RELB 446.

ARCH 447 Archaeology Methods and Theory (4): Examination of theoretical and methodological approaches to the modern study of archaeology. Prerequisite: Consent of instructor.

ARCH 494 Fieldwork in Ancient Near Eastern Archaeology (1-8): Completion of fieldwork in a specified area relating to ancient Near Eastern archaeology. May be repeated up to a total of 8 units. Prerequisite: Consent of instructor.
ARCH 497 Seminar in Biblical Archaeology (4): Advanced study of major archaeological issues. Cross-listed with RELB 497. Prerequisite: Consent of instructor.

Biblical Studies

LOWER DIVISION

RELB 104 Jesus and the Gospels (4): An overview of the historical and social setting in which Jesus taught as well as His teachings and their practical applications. Emphasis on the characteristics and contributions of the various canonical Gospels to Christian understandings of Jesus' life and work.


RELB 244 Daniel and Revelation (4): Historical and prophetic study, with emphasis on gospel implications.

RELB 255 Understanding and Sharing Your Bible (4): A study of the Bible as Scripture in the church and as the living Word of God in Christian life and witness. Not open to students in the religious studies major, minor, or pre-seminary curriculum.

RELB 299 Directed Study (1-4): Lower-division independent study in Biblical studies, to be completed in consultation with an advisor. Prerequisite: Consent of the instructor

UPPER DIVISION

RELB 309 Readings in Scripture (4): Analysis and exegesis of a selected work (or works) of the Old or New Testament. May be repeated for credit with different content to a maximum of 8 units. Does not apply to the religious studies major or to the pre-seminary curriculum.

RELB 404 New Testament Letters (2-4): Verse-by-verse study of selected documents, with emphasis on their theological and practical implications for Christians today.

RELB 409 Sacred Texts: Theory and Practice of Biblical Interpretation (4): An advanced study and application of principles and practices of interpreting the Old or New Testament scriptures. Includes in-depth readings of selected Biblical passages from a variety of hermeneutic perspectives. To be taken subsequent to or simultaneously with RELL 383 or 483, as stipulated. Restriction: Open only to religious studies majors and minors, and pre-seminary students

RELB 419 The Gospel of John (2-4): An exegetical study of the Gospel of John, with special emphasis on Johannine Christology and other central motifs of the text.

RELB 424 Old Testament Prophets (4): Origin and development of Old Testament prophecy as a background for understanding the prophetic writings. Introduction to each writing prophet; the relevance of his message to his own time and to the present.


RELB 446 New Testament Archaeology (4): An examination of the contributions that archaeology makes to an understanding of the historical and cultural backgrounds of the New Testament. Cross-listed as ARCH 446.

RELB 447 Archaeology Methods and Theory (4): Examination of theoretical and methodological approaches to the modern study of archaeology.

RELB 459 Topics in Biblical Studies (2-4): In-depth analysis of topics in Biblical studies. See class schedule each quarter for possible offerings. May be repeated with different content. Prerequisite: Consent of instructor

RELB 464 The Letter to the Romans (2-4): An exegetical study of Paul's most complete summation of the Christian gospel.

RELB 494 Fieldwork in Ancient Near Eastern Archaeology (1-8): This course involves the completion of fieldwork in a specified area relating to ancient Near Eastern archaeology. May be repeated up to a total of 8 units. Prerequisite: Consent of the instructor

RELB 497 Proseminar in Biblical Archaeology (4): Advanced study of major archaeological issues. Prerequisite: Consent of the instructor

RELB 498 Senior Thesis (1-8): An opportunity for majors to showcase their breadth of knowledge or research abilities in the area of Biblical studies, as well as to pursue an issue of their special interest in Biblical studies in further detail. Prerequisites: Consent of advisor, thesis mentor & dean

RELB 499 Directed Study (1-4): Upper-division independent study in Biblical studies, to be completed in consultation with an advisor. Prerequisite: Consent of the instructor. Restriction: Limited to pre-seminary or religious studies major students
Christian Ethics

LOWER DIVISION


UPPER DIVISION

RELE 405 Moral Philosophy (3-4): A philosophical investigation of major moral theories associated with notions such as virtue, natural law, duty, and responsibility. Moral concepts (e.g. 'the good,' 'the right,' 'the just') will be studied, and their application to problems concerning the individual and society explored. Readings will include the works of moral philosophers, both ancient and modern. Cross-listed as PHIL 405. Prerequisite: Consent of the instructor. Recommended Prerequisite: PHIL 204

RELE 447 Religion and Society (4): Exploration of Biblical themes which call the individual of faith and the community of faith to fulfill personal as well as social obligations. Examination of the dynamics involved as a religious movement evolves toward a religious institution. Models of relationship between church and world.

RELE 448 Christian Professional and Business Ethics (4): Ethical issues emerging in professional and business transactions. An assessment of ethical theory, followed by selected case studies. Not open to students who have credit in UNST 404C.


RELE 455 Christian Understanding of Sexuality (2-4): Interpretations of human sexuality in ancient, medieval, and modern theology, with emphasis on contemporary discussions of masculinity, femininity, monogamy, pornography, homosexuality, and professional ethics.

RELE 457 Religion and Gender (4): An exploration of the multilevel relationships between religion as a cultural phenomenon, institutional structure, and personal spirituality as well as gender as a biological characteristic and social construct.

RELE 459 Issues in Religious Ethics (4): In-depth consideration of selected major ethical concerns in contemporary societal and individual life.

RELE 497 Proseminar in Christian Ethics (2-4): Advanced study of major ethical concerns, as they apply to Christians and to the Christian lifestyle. Prerequisite: Consent of the instructor

RELE 498 Senior Thesis (1-8): An opportunity for majors to showcase their breadth of knowledge or research abilities in the area of Christian ethics, as well as to pursue an issue of their special interest in Christian ethics in further detail. Prerequisites: Consent of advisor, thesis mentor & dean

RELE 499 Directed Study (1-4): Upper-division independent study in Christian ethics, to be completed in consultation with an advisor. Prerequisite: Consent of the instructor. Restriction: Limited to students majoring in religious studies or to pre-seminary students

General Religious Studies

LOWER DIVISION

RELG 235 Introduction to Religious Studies (4): Examination of how religion provides meaning, societal structure and ethical guidance. Issues of method and theory will be considered in the context of such religious phenomena as the sense of the sacred, religious language, sacred narrative, sacred time and place, ritual, symbolism, and religious community. Not open to students with credit in UHNR 224.

RELG 237 World Religions (4): A study of religion in human experience. Topics include religious phenomena, the function of religion, religious institutions, interaction between religion and culture, Christianity and other major world religions.


UPPER DIVISION


RELG 327 Asian Philosophical Traditions (4): An investigation of the major philosophical themes and movements among the civilizations of India, China, and Japan. Includes questions of knowledge, reality, the self, nature, society, and social ethics. Consideration is also given to issues of human rights, as well as to environmental and political philosophy, in connection with the so-called “Asian values” debate. Cross-listed as PHIL 327. Recommended Prerequisite: PHIL 204

RELG 459 Seminar: Issues in Religious Studies (1-4): Advanced study of major and minor areas of interest applicable to the field of religious studies. May be repeated with different content. Prerequisite: Consent of instructor.

RELG 498 Senior Thesis (1-8): An opportunity for majors to showcase their breadth of knowledge or research abilities in the area of religious studies, as well as to pursue an issue of their special interest in religious studies in further detail. Prerequisites: Consent of advisor, thesis mentor & dean
**RELG 499 Directed Study (1-4):** Upper-division independent study in religious studies, to be completed in consultation with an advisor. **Prerequisite:** Consent of the instructor. **Restriction:** Limited to students majoring in religious studies or to pre-seminary students

### Historical Studies

**LOWER DIVISION**

**RELB 254 Ellen G. White and the Church (4):** The prophetic ministry of Ellen G. White in relation to the origin and development of Adventism, with emphasis on the present significance of her writings.

**UPPER DIVISION**

**RELB 425 Contemporary Religious Issues (2-4):** An analysis of a number of religious issues (such as ecumenism and the charismatic movement) which are prominent enough to be discussed extensively in contemporary journals.

**RELB 445 History of Christianity I: Formation (4):** The birth and development of Christianity from the apostolic age to the year 1000, with emphasis on the formation of Christian beliefs and traditions. Cross-listed as HIST 445.

**RELB 446 History of Christianity II: Reformation (4):** Christianity from 1000 to the age of the Renaissance and Reformation, with emphasis on 16th-century movements and the emergence of Protestantism. Cross-listed as HIST 446.

**RELB 447 History of Christianity III: Transformation (4):** Christianity in the Enlightenment, post-Enlightenment, and modern eras, including the American religious scene (Students may elect to focus on the origins and development of Adventism). Cross-listed as HIST 447.

**RELB 483 History of Seventh-day Adventism (3-4):** A study of the origins, context, and development of Seventh-day Adventist doctrines and institutions from the 1840s to the 21st century. Includes consideration of the role of Ellen G. White. Cross-listed as HIST 430N.

**RELB 488 Theology in the 20th Century (3-4):** An examination of major figures, issues, and resources in contemporary theology in the 20th century and beyond. **Prerequisite:** Consent of the instructor

**RELB 494 Adventist Heritage Tour (3-4):** A study of Adventist Heritage that may incorporate field trips, extensive travelling, and various types of coursework including reports, presentations, and papers.

**RELB 495 Reformation Lands Tour (3-4):** A study of the Christian Reformation that may incorporate field trips, extensive travelling, and various types of coursework including reports, presentations, and papers.

**RELB 497 Proseminar in Church History (4):** Advanced study of church history that may include in-depth looks at specific historical, social, and religious aspects. **Prerequisite:** Consent of the instructor

**RELB 498 Senior Thesis (1-8):** An opportunity for majors to showcase their breadth of knowledge or research abilities in the area of historical studies, as well as to pursue an issue of their special interest in historical studies in further detail. **Prerequisites:** Consent of advisor, thesis mentor & dean

**RELB 499 Directed Study (1-4):** Upper-division independent study in historical studies, to be completed in consultation with an advisor. **Prerequisite:** Consent of the instructor. **Restriction:** Limited to students majoring in religious studies or to pre-seminary students

### Biblical Languages

**Courses in this section do not apply toward the University Studies (general education) religion requirement. However, four quarters of Greek or Hebrew and three quarters of Latin, offered through the School of Religion, will satisfy the World Language (Foundational Studies) requirement of the University Studies curriculum.**

**LOWER DIVISION**

**RELL 251 Beginning Latin I (4):** First quarter of the study of classical Latin vocabulary, grammar, and syntax.

**RELL 252 Beginning Latin II (4):** Second quarter of the study of classical Latin vocabulary, grammar, and syntax.

**RELL 253 Beginning Latin III (4):** Third quarter of the study of classical Latin vocabulary, grammar, and syntax.

**RELL 281 Beginning Greek I (3):** The first quarter of a beginning course in the study and linguistic analysis of the grammatical structure of New Testament Greek. Greek grammar and vocabulary.

**RELL 282 Beginning Greek II (3):** The second quarter of a beginning course in the study and linguistic analysis of the grammatical structure of New Testament Greek. Greek grammar and vocabulary.

**RELL 283 Beginning Greek III (3):** The third quarter of a beginning course in the study and linguistic analysis of the grammatical structure of New Testament Greek. Greek grammar and vocabulary.
UPPER DIVISION


RELL 381 Intermediate Greek I (3): The first quarter of an intermediate course in the study of Greek, with an emphasis on syntax as it occurs in the Greek New Testament. Passages for translation and for exegesis selected from the Gospels and the Pauline epistles. Prerequisite: Average grade of C (2.00) for the 3 quarters of RELL 281, 282, 283, with minimum grade of C (2.00) in RELL 283.

RELL 382 Intermediate Greek II (3): The second quarter of an intermediate course in the study of Greek, with an emphasis on syntax as it occurs in the Greek New Testament. Passages for translation and for exegesis selected from the Gospels and the Pauline epistles. Prerequisite: Average grade of C (2.00) for the 3 quarters of RELL 281, 282, 283, with minimum grade of C (2.00) in RELL 283.

RELL 383 Intermediate Greek III (3): The third quarter of an intermediate course in the study of Greek, with an emphasis on syntax as it occurs in the Greek New Testament. Passages for translation and for exegesis selected from the Gospels and the Pauline epistles. Prerequisite: Average grade of C (2.00) for the 3 quarters of RELL 281, 282, 283, with minimum grade of C (2.00) in RELL 283.


RELL 385 Intermediate Hebrew II (4): Upper-division independent study in Biblical Hebrew, to be completed in consultation with an advisor. Prerequisite: Consent of the instructor.

Mission Studies

Courses in this section do not apply toward the University Studies (general education) religion requirement.

UPPER DIVISION

RELM 444 Comparative Religions (2-4): A survey of the origins, beliefs, and contemporary practices of major religious systems. Attention given to the interaction between specific religions and the cultures in which they are practiced. Study of the similarities, differences, and potential for understanding among the religions.

RELM 465 Principles and Practice of Evangelism (4): Presentation of Adventist beliefs to individuals and groups. Personal and public evangelism. Course may involve being part of an evangelistic endeavor at home or abroad.

RELM 464 Theology of Mission (2-4): A study of Biblical theology applied to defining the concerns, structures, and methods of mission. Mission as a general function of the church and as specific activities related to persons, time, and place. Topics include the idea of the church, the definition of missionary, the priorities of mission, and the place of eschatology.

RELM 498 Senior Thesis (1-8): An opportunity for majors to showcase their breadth of knowledge or research abilities in the area of mission studies, as well as to pursue an issue of their special interest in mission studies in further detail. Prerequisites: Consent of advisor, thesis mentor & dean.

RELM 499 Directed Study (1-4): Upper-division independent study in mission studies, to be completed in consultation with an advisor. Prerequisite: Consent of the instructor.

Pastoral Ministry

Courses in this section do not apply to University Studies (general education) religion requirement.

LOWER DIVISION

RELP 101 Introduction to Ministry I (1): The call and role of the minister as he or she relates to the specific areas of ministerial education and practice, pastoral ministries, and church policy.

RELP 102 Introduction to Ministry II (1): An in-depth examination of the call and role of the minister as they relate to the specific areas of ministerial education and practice, pastoral ministries and church policy. Course may include a further examination of specific issues pertinent to ministry not covered in RELP 101.

RELP 264 Evangelism (4): Introductory theory and practice of communicating Adventist beliefs to individuals and groups. Personal and public evangelism.
**UPPER DIVISION**

**RELP 345 Spiritual Formation (2-4):** Personal spiritual growth is fostered through the study and practice of the spiritual disciplines and the principles of Christian discipleship. Students are also exposed to an understanding of the work of God’s grace in the process of spiritual formation in both clergy and congregation.

**RELP 349 Principles of Christian Worship (4):** Theory and practice of Christian proclamation and liturgics, from early Christian times to the present.

**RELP 361 Homiletics I (4):** The art of preaching, church administration, and development of proper methodologies. May be taken concurrently with RELP 374.

**RELP 362 Homiletics II (4):** An in-depth examination of the art of preaching, church administration, and development of proper methodologies. Course may include a further examination of specific issues pertinent to ministry not covered in RELP 361. May be taken concurrently with RELP 374.

**RELP 374 Externship (1):** Practical application of the principles of church leadership and preaching by assignment to local churches. May be repeated for additional credit to a maximum of 6 units. **Prerequisite:** RELP 361 &/or 362 (can be concurrently enrolled). **Restriction:** Limited to pre-semester students with junior or senior standing

**RELP 397 Proseminar in Ministerial Studies (1-4):** Advanced study in topics pertinent to the field of ministerial studies. **Restriction:** Limited to students majoring in religious studies or to pre-semester students

**RELP 414 Fieldwork in Educational Ministry (1):** Practice in teaching in an educational setting; interaction with students in a learning setting either in school or a church. May be repeated for additional credit to a maximum of 3 units. **Prerequisite:** RELP 468

**RELP 415 Youth Ministry and the Local Church (2-4):** Designed to provide insight into the theology, organization, and methods of local youth ministry. The problem of what to do in the local setting with youth as they grow toward God. Consideration of the problems of leadership, activities, models of ministry, and current materials available.

**RELP 427 Crisis Counseling (2-4):** Crisis phenomena, current crisis theory, a Christian model of crisis care, and the dynamics and practices of crisis care.

**RELP 435 Proseminar in Pastoral Counseling (1-4):** Supervised clinical experience in a church counseling center. Actual counseling, case studies, reading, group conferences. May be repeated for additional credit to a maximum of 4 units. **Prerequisites:** RELP 436 & consent of the instructor

**RELP 436 Pastoral Counseling (4):** The Biblical and theological bases of and methodologies for pastoral counseling as it relates to the unique role of the minister. For pre-semester students.

**RELP 459 Topics in Practical Theology (4):** Courses that bring an in-depth analysis to some topics in the field of practical theology. See class schedule each quarter for possible offerings. May be repeated with different content. **Prerequisites:** Consent of the instructor

**RELP 463 Homiletics III (4):** Advanced preaching: theory and practice. May be taken concurrently with an externship that provides significant preaching and mentoring opportunities or by participating, with permission, in a graduate class in Homiletics.

**RELP 465 Principles and Practice of Evangelism (4):** Theory and practice of communicating the gospel, as reflected in Adventist beliefs, to individuals and groups. Personal and public evangelism. Course may involve being part of an evangelistic endeavor at home or abroad.

**RELP 468 Methods of Educational Ministry (3-4):** A critical examination of the foundation, theories, and practices of Christian education as an aspect of ministry. Emphasis on practical application of theology and religious development as it relates to the educational setting. Development of materials for secondary school Bible teaching. **Prerequisite:** RELT 464

**RELP 492 Fieldwork in Evangelism (1):** Practical experience in conducting public evangelistic meetings either locally or at an international venue. May be repeated for additional credit to a maximum of 3 units.

**RELP 498 Senior Thesis (1-8):** An opportunity for majors to showcase their breadth of knowledge or research abilities in the area of pastoral ministry, as well as to pursue an issue of their special interest in pastoral ministry in further detail. **Prerequisites:** Consent of advisor, thesis mentor & dean required

**RELP 499 Directed Study (1-4):** Upper-division independent study in pastoral ministry, to be completed in consultation with an advisor. **Prerequisite:** Consent of the instructor. **Restriction:** Limited to students majoring in religious studies or to pre-semester students

**Theological Studies**

**LOWER DIVISION**

**RELT 104 Introduction to Christianity (2-4):** An introduction to basic Christian beliefs for students from a non-Christian culture. Does not apply toward a major in religious studies or to the pre-semester program.

**RELT 106 Introduction to Seventh-day Adventist Beliefs (2-4):** The Biblical basis, formulation, and implications of the theological convictions of Seventh-day Adventists, with emphasis on those beliefs that distinguish Adventists from other Christians. Limited to students who are not Seventh-day Adventists. Does not apply toward a major in religious studies. Not open to students with credit in RELT 245.
Relt 205 Dynamics of Personal Religion (4): The experience of forgiveness, acceptance, and faith; the place and function of prayer, worship, Bible study, fellowship, and witness in religious life. Does not apply toward a major in religious studies.

Relt 245 Christian Beliefs (4): Fundamental doctrines of Christianity as taught by the Seventh-day Adventist Church. Does not apply toward a major in religious studies or the pre-seminary program.


Relt 299 Directed Study (1-4): Lower-division independent study in theological studies, to be completed in consultation with an advisor. Prerequisite: Consent of the instructor

UPPER DIVISION

Relt 355 Theology II: God and Creation (4): Christian understanding of the doctrines of God, creation, humanity, covenant, providence and evil. A survey of leading theological figures, ideas, and movements related to these themes. Second of a three-quarter sequence in Christian theology from an Adventist perspective. Prerequisite: RELT 255

Relt 434 Dimensions of Salvation (4): Soteriology, including Christology; atonement and sanctification; the Sabbath; the church as the community of faith; human destiny. Prerequisite: Senior standing

Relt 435 Christian Understanding of God and Humankind (4): Theological methodology, the nature and function of revelation, attributes of God, and the nature of human beings. Prerequisite: Senior standing

Relt 436 Philosophy of Religion (4): Reasons for belief in the reality and relevance of God for contemporary life and thought, and related issues. Cross-listed as PHIL 436. Prerequisite: Senior standing or consent of the instructor. Recommended Prerequisite: PHIL 204

Relt 437 Current Issues in Adventism (2-4): Selected questions of current interest concerning theological understanding, ecclesiastical polity, church policies and practices, etc., in preparation for active involvement in the life of the church. Prerequisite: Consent of the instructor

Relt 453 Christian Theology (4): A survey of leading theological figures and movements in Christianity over the past three centuries.

Relt 455 Theology III: Reconciliation and Consummation (4): Christian understanding of the person and work of Christ, the Holy Spirit, salvation, church, and eschatology. Christianity in the context of world religions. A survey of leading theological figures, ideas, and movements, related to these themes. Third of a three-quarter sequence in Christian theology from an Adventist perspective. Prerequisite: RELT 255

Relt 459 Topics in Theology (2-4): Courses that bring an in-depth analysis to some topics of theological studies. See class schedule each quarter for possible offerings. May be repeated with different content. Prerequisite: Consent of instructor


Relt 498 Senior Thesis (1-8): An opportunity for majors to showcase their breadth of knowledge or research abilities in the area of theological studies, as well as to pursue an issue of their special interest in theological studies in further detail. Prerequisites: Consent of advisor, thesis mentor & dean

Relt 499 Directed Study (1-4): Upper-division independent study in theological studies, to be completed in consultation with an advisor. Prerequisite: Consent of the instructor. Restriction: Limited to pre-seminary students with junior or senior standing
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Chair, Department of School Psychology and Counseling
Chang-Ho Ji, PhD
## The H.M.S. Richards Divinity School

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<td>Associate Dean</td>
<td>Douglas R. Clark, PhD</td>
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<tr>
<td>Director, Pre-Ministerial Studies</td>
<td>V. Bailey Gillespie, PhD</td>
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<td>Director, Hancock Center for Youth and Family Ministry</td>
<td>V. Bailey Gillespie, PhD</td>
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<tr>
<td>Director, Stahl Center for World Service</td>
<td>Charles W. Teel, Jr. PhD</td>
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La Sierra University is a school diverse at countless levels, including at the faculty level. LSU depends on a number of important people who aid in the educational offerings at this school. Those people include collaborating and adjunct faculty members, lecturers, and others who come from various other programs and schools to enrich the University. Although these individuals’ presence at LSU often varies from quarter to quarter, there are other teachers who maintain faculty status at La Sierra University. It is these faculty members who act as the core, working diligently both in their respective departments/programs as well as serving in various additional posts, appointments and committees. It is these full-time faculty members that are listed alphabetically below. For more information on any given faculty member, please consult the bulletin by turning to the department under which the faculty member is listed or contact the University directly.

**William C. Andress**, 2008. Associate Professor of Health and Exercise Science, College of Arts and Sciences  
DPH Loma Linda University 1988

**S. Eric Anderson**, 2012. Professor of Management and Economics, School of Business

**Sandra J. Balli**, 2005. Professor of Curriculum and Instruction, School of Education  
PhD University of Missouri 1995

**James Beach**, 1979. Associate Professor of Mathematics, College of Arts and Sciences  
DA Idaho State University 1977

**Sibyl Beaulieu**, 2007. Assistant Professor of Social Work, College of Arts and Sciences  
MSW Loma Linda University 1995

**Wayne E. Borin**, 2010, Assistant Professor of Health and Exercise Science.  
EdD University of San Diego, San Diego 2003

**Kent Bramlett**, 2010. Assistant Professor of Archaeology and History of Antiquity, H.M.S. Richards Divinity School  
PhD University of Toronto 2009

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<table>
<thead>
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<th>University</th>
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</thead>
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<table>
<thead>
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</tr>
</tbody>
</table>
Symbols

(I) Incomplete Grade 51
(IP) In Progress Grade 52
(IPW) In Progress Withdrawal Grade 52

A
Academic Appeals 44
Academic Authority 43
Academic Deadlines 46
Academic Hold 48
Academic Integrity and Honesty 43
Academic Probation 47
Academic Services 14
Academic Status 47
Academic Technology Services 18
Acceptable Academic Progress 54
Accreditation 4, 210
ACT 11, 15, 22, 23, 24, 25, 26, 27, 135
Admission Classifications 23
Admission of International Students 27
Admission of New Freshman 23
Admission of Returning and Transfer Students 27
Advanced Placement 49, 79
Advanced Placement (AP) 49, 79
Advisement 46
Affirmative Action 7
AIDS Education and Prevention 9
Alumni Association 17
American Disabilities Act (ADA) 14
Application and Acceptance 22
Application Fee 22
Application for Graduation 52
Arboretum 20
Archaeological Excavations 14
Armed Forces Schooling 79
Attendance 46, 87, 129, 177, 178, 180, 184, 185, 204
Audit/Audit grade (AU, AUW) 30, 31, 46

B
Barnard Memorial Observatory 20. See also Observatory
Biology Field Studies 14
Brandstater Gallery 4, 20
Buckley Amendment 10, 55

C
Cal Grant 35, 37
California State Financial Aid Programs 37
Campus Employment 31
Campus Features 20
Campus Pastor 17
Campus Resources 17
Center for Student Academic Success 14, 30, 46, 86
Chaffee Grant 37
Change of Grade 52, 54
Charges per Quarter 29
Child Development 78, 93, 94, 167
CHSPE 27
Class Standing 50
CLEP 15, 49, 79
Common Ground 20
Community Service 16
Computer Facilities 18
Computer Laboratories 18
Confirmation of Registration 31, 33, 46
Continuing Education Units 57
Counseling Center 39, 264
Course Load 47
Course or Program Changes and Withdrawal 46
Course Sequence 47
Courses, Repeating 55
Credit by Equivalency Examination 49, 79
Critical Academic Probation 54
Curriculum Resource Center 19

D
Deadlines, Application 23
Deadlines, S/U petition or withdraw with a “W” 11, 12, 13
Deadlines, Withdraw With no Record 11, 12, 13
Dean's Academic Honor List 55
Debt Collection 33
Deposits Required 30
Diploma 11, 13, 33, 53, 91, 92, 217
Directed Study Courses 48
Disability Support Services 14
Discrimination and Harassment Policy 7
Division of Continuing Studies 4, 27, 50, 55, 71, 77, 78, 79, 83, 164, 263
Drug-Free Worksite 9
DSST Exam 15

E
Eagle's Nest 20
Eligibility for Coursework 50
Employment, Student 18
English Competence 41
English Language and American Culture (ELAC) 14, 47, 58, 80, 81, 83
Equivalency Examinations 49, 55, 78, 79, 164, 243
Exchange Visitor 28

F
FAFSA 34, 35, 36, 37, 38
Failure to Make Acceptable Academic Progress 54
Family Educational Rights and Privacy Act 10, 55
Federal Financial Aid Programs 35, 36, 77
Federal Work-Study 37
Field School (Biology) 14, 104
Final Examinations 55
Financial Aid 32, 34, 35, 41
Financial Clearance 31
Financial Statements 32
Fitness Center 17
Foundational Courses 27, 48, 64
Full-time Status 47

G
General Degree Requirements 52
Global Piecemaking 20
GPA 16, 23, 24, 25, 26, 35, 37, 51, 53, 54, 55, 56, 81, 87, 107, 109, 129, 131, 147, 203, 205, 208, 209, 210. See also Grade point average
Grade Point Average 24, 55
Grade Reports 55
Graduation, Application. See Application for Graduation
Graduation Events. See Recognition of Candidates
Graduation Requirements 52
Graduation with Honors 53

H
Hancock Center 17
Handbook, Student. See Student Handbook
Health Services 39
High School Equivalency 24, 27
High School Requirements 23
History of La Sierra 4
Honor Lists 55
Honors, Graduation with. See Graduation with Honors
Honors Program 3, 16, 23, 53, 64, 72, 73, 74, 75, 76, 166, 203
Housing for Married Students 32

I
I-20 14, 28, 30, 31, 32, 41, 42
Identification Number 39
International Student Health Insurance 32, 42
International Students 15, 27, 28, 32, 41, 42, 81
Intersegmental General Education Transfer Curriculum (IGETC) 63

L
Laptop Computer Policy 46
La Sierra Information Technology Services 18
Learning Support & Testing Center 14, 15
Library 19
LINK+ 19

M
Meal Plans 32
Media Services 19
MTELP 15, 23, 28, 41, 48
Multiple Degrees, Majors, and Minors 55

N
Non-credit Course 47
Non-degree Status 23, 47, 54, 69
Nondiscrimination Policy 7
Numbering of Courses 57

O
Observatory 20, 21. See also Barnard Memorial Observatory
Off-Campus Additional Resources 21
Off-Campus Instruction 55
Official Transcripts 22, 27, 33, 41, 48, 50
On-Campus Academic Opportunities 16
Out-Reach 16

P
Part-time Status 47
Past Due Accounts 32
Path of the Just 20
Payment and Account Information 31
Payment Options 33
Payroll Deduction 31
Pell Grant 34, 36
Perkins Loans 36
Placement Exams 26
Placement Into College English and Mathematics 26
Pre-Foundational Courses 48, 117, 132, 135, 172
Preparation for College 23
Prerequisites, Freshmen 24
Probation, Academic. See Academic Probation
Property Protection 39
Provisional and/or Probationary Status 23

Q
Qualifying Hold 48

R
Recognition of Candidates 53
Recreation 18
Refunds 33
Registration 31, 33, 46
Registration and Attendance 46
Regular Standing Status 23
Remedial Courses. See Pre-Foundational Courses
Repeating a Course 55
Required Fees 33
Research Opportunities 16
Residence Change 33
Residence Hall Network 19
Residency Requirement.
See Undergraduate Residency Requirement
Responsibility of Faculty 44
Responsibility of Students 44
Returning Students 27
Room and Board 29, 33
Rosario Beach (Marine Biology) 14, 104, 105

S
SAT 22, 23, 25, 26, 27, 135, 136
Satisfactory Academic Progress (SAP) 35
Schedule of Charges 29
Scholastic Standing 51
Security and Safety 39
Seniors Taking Graduate Courses 50
Service-Learning 16, 63, 70, 71, 108, 204
Seventh-day Adventist Scholarships 29
Software 18, 65, 124, 125, 127
Special Charges 30
Special Collections, Library 19
Special Coursework 48
Special Credit Situations 49
Stahl Center 20, 21
Stahl Center Museum 21
Statement, Financial. See Financial Statement
Student Association of La Sierra University (SALSU) 18, 40
Student Handbook 10, 18, 32, 40, 42, 177, 184
Student Missions 16
Student Organizations 40
Student Responsibility. See also Responsibility of Students
Students in Free Enterprise (SIFE) 16, 40, 224
Student's Official Name 40
Student Status 47
Student Teacher 15, 48
Student Visa 28
Studies Abroad 15
Study Load 33
Study Tours 15
S/U petition or withdraw with a "W" 11, 12, 13

T
Teaching Credentials 15
Testing Services 15
TOEFL 23, 28, 30, 41, 48, 80, 81, 82, 83
Total Withdrawal 33, 34
Transcripts 33, 53, 56
Transfer Credit 49
Transfer Students 27, 63
Transportation 40
Tuition 29, 34, 35

U
Undergraduate Residency Requirement 53
Unit of Credit 47, 57
University Honors 16, 23, 53, 64, 72, 73, 74, 75, 76, 166, 203
University Network 19

University Servers 19
University Studies Foundational Requirements 48
Unspecified Students 23, 47

V
Vehicle Registration 40, 77
Veterans 7, 34

W
Waiver of a Requirement 50
Women's Resource Center 18
World Museum of Natural History 21
Worship 40, 71, 84, 178, 180, 188, 255, 260
Writing Center 15