### UNIVERSITY STUDIES FOUNDATIONAL STUDIES (19-37 UNITS)

Grades of “C” or better required. Courses may not need to be completed in order listed.

<table>
<thead>
<tr>
<th>Semester</th>
<th>First-Year Seminar</th>
<th>Rhetorical Skills</th>
<th>Mathematics</th>
<th>World Languages</th>
<th>Health and Fitness</th>
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</thead>
<tbody>
<tr>
<td><strong>I</strong></td>
<td>UNST 101A (1) and 101B (1) or UNST 100A (3) and 100B (3)</td>
<td>A. ENGL 111 (3), 112 (3), 113 (3) College Writing or ENGL 124 Freshman Seminar (4)</td>
<td>B. Upper Division Rhetoric in ENGL 304 (4) Prerequisite: One (1) ENGL 200-level course</td>
<td>Level 3 proficiency (e.g. 153) in one non-English language (4-12)</td>
<td>HLSC 120 Lifetime Fitness with laboratory (2)</td>
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### UNIVERSITY STUDIES GENERAL STUDIES (52 UNITS, 20 UPPER DIVISION)

Grades of “D” or better required, unless courses are required by major.

<table>
<thead>
<tr>
<th>Theme</th>
<th>Course Description</th>
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<tbody>
<tr>
<td><strong>I</strong></td>
<td>Understanding Human Beings or IB Humans as Thoughtful Global Citizens</td>
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<tr>
<td><strong>IC</strong></td>
<td>Globalization, Identity and Citizenship (SSCI 104 / 105 / 106 / 107) Prerequisite: ENGL 113/124</td>
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<tr>
<td><strong>II</strong></td>
<td>History and Appreciation of Visual and Performing Arts</td>
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<tr>
<td><strong>IIB</strong></td>
<td>Historical or Contemporary Culture and Context</td>
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<tr>
<td><strong>IIC</strong></td>
<td>Exploring Culture (HUMN 204 / 205 / 206) Prerequisite: ENGL 111/124</td>
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<tr>
<td><strong>III</strong></td>
<td>Any Theme III course (Theme III A, B, C, or D)</td>
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<tr>
<td><strong>IIB</strong></td>
<td>Seventh-day Adventist beliefs. Choose from RELT 104 / 106 / 245 or RLGN 304.</td>
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<tr>
<td><strong>IIC</strong></td>
<td>Scripture</td>
</tr>
<tr>
<td><strong>IV</strong></td>
<td>RLGN 304 Adventism in Global Perspective / RLGN 305 Religion in Three Cultures (4) Prerequisite: ENGL 113/124, Junior</td>
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<tr>
<td><strong>IVA</strong></td>
<td>Life Science (4) Theme IVA Life Science or Theme IVB Physical Science must include a laboratory</td>
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<tr>
<td><strong>IVB</strong></td>
<td>Physical Science (4) Theme IVA Life Science or Theme IVB Physical Science must include a laboratory. May be fulfilled by major requirements.*</td>
</tr>
<tr>
<td><strong>IVC</strong></td>
<td>Scientific Foundations (NSCI 404 / 405 / 406 / 407) (4) Prerequisite: ENGL 113/124, Theme IVA/Theory IVA, F3 Mathematics</td>
</tr>
<tr>
<td><strong>V</strong></td>
<td>Senior Seminar: UNST 404 Religion, Values, and Social Responsibility (4) Prerequisite: ENGL 113/124, Junior</td>
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</tbody>
</table>

*A maximum of 4 units from the Major, and 8 units of Cognates required by the Major, may apply to University Studies General Studies requirements (2013-2014 Undergraduate Academic Bulletin p. 71).

NOTES: A course with quarters marked by [brackets] indicate the quarters in which that course is usually offered. Should a student’s general education and major degree program not meet the minimum 190 units (60 upper division) required for graduation, the student must complete elective units to make up the deficiency.
PHYSICS
Bachelor of Science

Fostering the growth of intellectual curiosity that will extend through post-college years and building an appreciation of the role of physics in everyday living constitute the general objectives of the Department of Physics. For the Physics major there are the additional objectives of adequate preparation for entrance to one of the professional curriculums, for graduate study in physics, or for employment under the Civil Service classification of junior scientist-physicist or in a similar grade in private industry.

CAREER OPPORTUNITIES AND RELATED OCCUPATIONS: Physicists study the fundamental nature of the universe, ranging from the vastness of space to the smallest of subatomic particles. They develop new technologies, methods, and theories based on the results of their research to deepen our understanding of how things work and contribute to innovative, real-world applications.

EDUCATIONAL QUALIFICATIONS: In order to specialize, graduate work is essential. One with a Bachelor’s degree usually starts out as a technician and will advance to independent research and leadership with experience, competence in the field, and advanced education.

JOB OUTLOOK: Employment of physicists is expected to increase by 14 percent from 2010 to 2020, as fast as the average for all occupations.

SALARY: For physicists, the median annual wage was $106,370. The lowest 10 percent earned less than $58,850, and the top 10 percent earned at least $166,400.

Career information adapted from

Academic program information adapted from

Websites
La Sierra University
www.lasierra.edu
Department
www.lasierra.edu/physics

Faculty
Chair
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Advisors
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San Fernando Hall 207
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Professional Organizations
American Institute of Physics
One Physics Ellipse
College Park, Maryland 20740-3843
www.aip.org

American Association of Physicists in Medicine
One Physics Ellipse
College Park, MD 20740
www.aapm.org

American Physical Society
One Physics Ellipse
College Park, Maryland 20740
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