PRE-CYTOTECHNOLOGY, B.S.

2014-2015

RELIGION AND HUMANITIES: [20 qtr. units min.]

RELIGION: 4 qtr. units/year (max 8 units) Choose [8] units from the following areas.

RELB, RELE, RELG, RELT, RLGN ______________ (4)
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HUMANITIES: Select from at least 3 subject areas. [12 units]

Fine Arts (ARTA/MUHL)
History/Philosophy (HIST/HPSC/PHIL)
Literature/Modern Language (ENGL/WDLG)
Performing/Visual Arts (ARTS/DRAM/MUPF) not to exceed 4 units

NATURAL SCIENCES: [49 qtr. units]

BIOL 111/BIOL III General Biology I and Lab (4/1)
BIOL 111A General Biology I Seminar (0)
BIOL 112/BIOL 112L General Biology II and Lab (4/1) Prereq. BIOL 111, 111L and BIOL 111A
BIOL 113/BIOL 113L General Biology III and Lab (4/1) Prereq. BIOL 112 and 112L
BIOL 131 Human Anatomy & Physiology I (5)
BIOL 132 Human Anatomy & Physiology II (5)
BIOL 185 Basic Medical Microbiology (5)
CHEM 111/ CHEM 111L General Chemistry I and Lab (4/1) Prereq. MATH 121 Eligibility & CHEM 110 or placement.
CHEM 112/ CHEM 112L General Chemistry II and Lab (4/1) Prereq. CHEM 111 and CHEM 111L
CHEM 113/ CHEM 113L General Chemistry III and Lab (4/1) Prereq. CHEM 112 and CHEM 112L
MATH 121 College Algebra (4) Prereq. MATH 007 or appropriate score on placement examination.

SOCIAL SCIENCES: [12 qtr. units 2 areas]

Cultural Diversity (required): Choose one from the following:

ANTH 215 Cultural Anthropology (4) or HPSC 106 Race, Ethnicity, and Class in American History
Select remainder from:

ANTH/ ECON/ PSYC/ PLSC/ SOCI/ GEOG ______________________ (4)
ANTH/ ECON/ PSYC/ PLSC/ SOCI/ GEOG ______________________ (4)

COMMUNICATION: [9 qtr. units min.] CLEP not accepted.

ENGL 111 College Writing (3) Prereq. Satisfactory placement on college entrance exam.
ENGL 112 College Writing (3) Prereq. ENGL 111
ENGL 113 College Writing (3) Prereq. ENGL 112
If ENGL 124 Freshman Seminar in Writing (4), additional units are needed. Select remainder from:

COMM 104 Fundamentals of Speech (4) or COMM 244 Interpersonal Communication
CPTG 104 Intro. to Information Systems (4) Prereq. MATH 007 or appropriate score on placement exam

HEALTH AND WELLNESS: [3 qtr. units min.]

HLSC 214 Dimensions of Health (4) or HLSC 225 Nutrition Theory & Practice (4)
2 Physical activity courses: May use HLSC 120 Lifetime Fitness (2) as activity elective

EXSC Activity #1 ______________ __2 ______________ (.5/ .5) min.
Electives to meet minimum 98 quarter units.

ADDITIONAL INFORMATION
CAREER OPPORTUNITIES AND RELATED OCCUPATIONS:
Cytotechnology is an specialty within the broad field of clinical laboratory science. The cytotechnologist is a cell expert who works under the direction of a pathologist. The responsibility of cytotechnologist is to detect cell changes caused by different disease processes. They differentiate normal, atypical, and malignant cell changes. In recognizing microscopic abnormalities of cells and cellular patterns from various body sites, they assist the pathologist in detecting cancer at its earliest and potentially most curable state. As a result, physicians are able to diagnose and treat cancer before discovering the existence by alternate methods. Most cytotechnologists work in hospitals, clinics, or private laboratories.

EDUCATIONAL QUALIFICATIONS: Two years at an accredited college is followed by a twelve month cytotechnology certificate program. Students who wish to obtain a B.S. degree may continue with their studies for two additional quarters. With the certificate in cytotechnology and a baccalaureate degree, the student is eligible to take the national licensing examination.

JOB OPPORTUNITIES: The demand for cytotechnologists far exceeds the number of skilled professionals presently available. Cytotechnologists can advance to supervisory positions, participate in research activities, or become teachers in the field.

SALARY: Please see http://www.bls.gov/ooh for current up to date information.