

CHEMISTRY 7-12 AND GENERAL SCIENCE LICENSURE SYNOPSIS

LIBERAL ARTS CORE REQUIREMENTS (General Education) (47-48 hours)

An Introduction to the Liberal Arts, 2 hours

LA 101, An Introduction to the Liberal Arts, 2 hours 2

Studies in Biblical Traditions, 6 hours

REL 101-102, Intro to Old and New Testaments, 6 hours 6

Studies in Communications, 6 hours

ENG 101, Writing and Literary Studies I, 3 hours 3

COMM 135, Speech Fundamentals, 3 hours OR

COMM 230, Interpersonal Communications, 3 hours 3

Studies in Mathematics and Science, 9-11 hours

MATH 141, App of Calc (preferred) OR Math 151, Calc I, 3 hours 3

PHYS 102, Bas Phys & Astr AND GEOL 101, Intro to Phys Geol, 6 hours 6

Studies in Personal/Social Awareness, 6-7 hours

+Approved Studies in Personal/Social Awareness Course, 3 hours 3

PSY 204, Child & Adol, 3 hours OR PSY/CFS 206, Hum Dev, 4 hours 3-4

Studies to Enhance a World Perspective, 18 hours

ENG 201 and 301, Writing and Literary Studies II, III, 6 hours 6

+Approved History Course, 3 hours 3

+Approved Studies to Enhance a World Perspective Course, 3 hours 3

FOR LANG, same language in sequence at appropriate level based on placement at time of admission and departmental requirements, 6 hours 6

Senior Capstone Seminar

CHEM 412, Seminar in Chemistry (see below)

CHEMISTRY MAJOR (43-45 hours)

CHEM 103-104 General Chemistry I, II 8

CHEM 201 Excel for Scientists 2

CHEM 301-302 Organic Chemistry I, II 8

CHEM 411 Special Topics in Chemistry 1

CHEM 412 Seminar in Chemistry 1

Choose One: CHEM 305: Quan Anal; CHEM 306: Instrumental Meth of Analysis; CHEM 401: Phys Chem I AND CHEM 415: Phys Chem Lab I (co-req) 4

CHEM Electives (may include CHEM 300, Teaching Assistant, 1-2 hours) 4-6

BIOL 102 Environmental Science 3

BIOL 105 General Biology I 4

PHYS 103-104 General Physics I, II 8

PROFESSIONAL EDUCATION (32 hours)

EDUC 204 Instructional Technology 3

EDUC 203* Foundations of Education 3

EDUC 350 Diversity in School, Homes and Communities 2

EDUC 403 Assessment and Evaluation 3

EDUC 423*! Teaching in the Natural Sciences 3

EDUC 450*! Curr, Inst, & Mgmt for K-12 & 7-12 Classrooms 3

SPED 313* Survey of Persons with Exceptionalities 3

EDUC 463-465-467*! Enhanced Student Teaching (2, 5, 5) 12

UNRESTRICTED ELECTIVES

4-5

TOTAL 128

+Approved Liberal Arts Core Requirement Course as Specified in Catalog

*Practicum Required

!Admission to Teacher Education Program Required

Courses in Bold Require C or Better

Honors Students May Substitute General Education Requirements as Specified in Catalog

Updated 8/3/11