

# BACHELOR OF SCIENCE SECONDARY EDUCATION CHEMISTRY

## LICENSABLE AREAS:

CONTENT: CHEMISTRY

SCHOOL SETTING: SECONDARY

CONTENT: EXCEPTIONAL NEEDS – MILD INTERVENTION

SCHOOL SETTING: SECONDARY

NAME:

DATE:

ADDRESS:

ADVISOR:

PHONE:

### I. GENERAL EDUCATION: (53 sem. hrs.)

#### A. Oral and Written Expression

English Composition/Communication (9 sem. hrs.) 3 \_\_\_\_\_

ENGL 101 Eng Comp 1 (by placement) 3 \_\_\_\_\_

ENGL 102 Eng Comp II 3 \_\_\_\_\_

COMM 121 Tech of Speech 3 \_\_\_\_\_

#### B. Humanities (Choose 12 sem. hrs. from at least two areas):

Literature \_\_\_\_\_

Fine Arts \_\_\_\_\_

Philosophy \_\_\_\_\_

Foreign Language \_\_\_\_\_

**Total Communication (SPED 473)** \_\_\_\_\_

#### C. Social & Behavioral Sciences (12 sem. hrs.)

HISTORY, GOV or ECON 3 \_\_\_\_\_

PSYC 121 General Psychology 3 \_\_\_\_\_

PSYC 239 Child & Adolescence Psychology 3 \_\_\_\_\_

SOCI 135 Introduction to Race and Ethnicity 3 \_\_\_\_\_

#### D. Science, Math, Computer (12 sem. hrs)

Can Use SCIE 291 from P.S. Core 3 \_\_\_\_\_

Can Use CHEM 343 from P.S. Core or 3 \_\_\_\_\_

Can Use CHEM 344 from P.S. Core 3 \_\_\_\_\_

MATH 223 Calculus I 3 \_\_\_\_\_

EDUC 205 Techn. Applications (replaces CIS 190) 3 \_\_\_\_\_

#### E. Religious Studies: (6 sem. hrs.)

1. \_\_\_\_\_ 3 \_\_\_\_\_

2. \_\_\_\_\_ 3 \_\_\_\_\_

#### F. Directed Electives (2 sem. Hrs.)

PHED – Any activity course 2 \_\_\_\_\_

#### G. Other – as determined by enrollment or placement

USF 101 Foundations for Success (1) \_\_\_\_\_

READING \_\_\_\_\_

ENGLISH \_\_\_\_\_

MATH \_\_\_\_\_

### II. PROFESSIONAL EDUCATION

#### A. COMMON CORE (27 sem. hrs.):

EDUC 100 Introduction to Teacher Education 3 \_\_\_\_\_

EDUC 150 Introduction to Education for Licensure (3) \_\_\_\_\_

Students (Dept Approval Replaces EDUC 100/SPED 136)

EDUC 201 Practicum in Teacher Education 3 \_\_\_\_\_

EDUC 250 Education Psychology & Measurement 3 \_\_\_\_\_

EDUC 301 Advanced Practicum in Teacher Education 3 \_\_\_\_\_

EDUC 425 Seminar in Student Teaching 3 \_\_\_\_\_

EDUC 480/483 Student Teaching 9 \_\_\_\_\_

SPED 136 Introduction to Exceptionality 3 \_\_\_\_\_

#### B. PROGRAM SPECIFIC CORE (49-50 Sem. Hrs.)

READ 230 Teaching Read in Secondary School 3 \_\_\_\_\_

SPED 295 Collab and Commun in Exceptional Needs 3 \_\_\_\_\_

SPED 328 Secondary Methods for Excpt. Needs 4 \_\_\_\_\_

(Taught with SPED 237Mild Disabilities/ Interventions)

SPED 430 Behavior/Classroom Management 3 \_\_\_\_\_

EDUC 384 Spec. Methods in Sec. Teaching 1 \_\_\_\_\_

#### Chemistry

CHEM 141 Principles of Chemistry I 4 \_\_\_\_\_

CHEM 142 Principles of Chemistry II 4 \_\_\_\_\_

CHEM 241 Organic Chemistry I 4 \_\_\_\_\_

SCIE 257 Physics I 4 \_\_\_\_\_

SCIE 258 Physics II 4 \_\_\_\_\_

SCIE 291 Concepts of Science (3) \_\_\_\_\_

Choose one of the following:

CHEM 343 Environmental Chemistry (3) \_\_\_\_\_

CHEM 344 Inorganic Chemistry (3) \_\_\_\_\_

Choose two of the following:

CHEM 242 Organic Chemistry II 4 \_\_\_\_\_

CHEM 333 Biochemistry 4 \_\_\_\_\_

CHEM 345 Analytical Chemistry 4 \_\_\_\_\_

CHEM 447 Physical Chemistry I 4 \_\_\_\_\_

#### Required Professional Chemistry Courses

CHEM 480 Chemistry Seminar (6 semesters) Cr \_\_\_\_\_

CHEM 481 Chemistry Seminar 1 \_\_\_\_\_

CHEM 496 Chemical Research 2-3 \_\_\_\_\_

\*Directed Courses – Knowledge Support

Choose one of the following

BIOL 180 Principles of Animal Biology 4 \_\_\_\_\_

BIOL 181 Principles of Plant Biology 4 \_\_\_\_\_

### TOTAL DEGREE REQUIREMENT HRS.

Secondary Education-Chemistry

Exceptional Needs-Mild Intervention requirements Sem. Hrs. 129-130