Bachelor of Science (BS) Teaching

Degree Code 142*

Concentration Code 142D

I. GENERAL EDUCATION CURRICULUM


II. PROFESSIONAL EDUCATION REQUIREMENTS

A minimum grade of C is required in each professional education course. CI 2300 & FDN 2400 are required prior to admission to Teacher Educ

CI 2300 _____ (2) Teaching and Learning in the Digital Age (Entry course to teacher education)
FDN 2400 _____ (2) Critical Perspectives on Teaching and Learning (Pre or Co: CI 2300) (Entry course to teacher education)
PSY 3010 _____ (3) Psychology Applied to Teaching (Pre or Co: CI 2300)

PROFICIENCIES:

SPE 3300* _____ (3) Creating Inclusive Learning Communities (Pre: CI 2300, FDN 2400, PSY 3010)

CI 3400* _____ (2) Policies and Practice in Educational Assessment (Pre: CI 2300, FDN 2400, PSY 3010)

CI 4900 _____ (12) Student Teaching [CAP] (Cumulative 2.7 GPA; All courses in professional core must be completed with grades of C (2.0) or higher prior to student teaching, along with other courses (including methods and reading) identified within the major.

*Admission to Teacher Education required.

Minimum 2.7 cumulative GPA required to graduate.

NOTE: To be admitted to the Teacher Education Program students must have a minimum 2.7 cumulative GPA and take and satisfy testing requirements for Reading, Writing and Math areas of the PRAXIS (PPST or CBT). The PRAXIS II Area Exams are required for student teaching.

III. MAJOR REQUIREMENTS

Biology Core Requirements: 8 semester hours (must be completed before taking any other biology courses)

BIO 1801 _____ (4) Biological Concepts I (Co: CHE 1101)  AND  BIO 1802 _____ (4) Bio Concepts II (Pre: Bio 1801 w/min grade “C”)

B. Additional Required Biology Courses: 22-23 semester hours (Pre: BIO 1801 & 1802 required for all additional BIO courses)

BIO 2012 _____ (3) Introduction to Evolutionary Biology
BIO 2400 _____ (3) Genetics (Pre: CHE 1102, MAT 1025)
BIO 2410 _____ (1) Genetics Laboratory (Pre/Co: BIO 2400/2700)
BIO 3312 _____ (3) Environmental Studies [WID] (Pre: RC 2001)
BIO 3521 _____ (1) Secondary Science Field Experience (Pre: Jr/Sr standing)
BIO 3800 _____ (4) Molecular Biology [WID] (Pre: CHE 2201/2101; RC 2001)
BIO 3301_____ (4) Human Systems Phys [WID] (Pre: CHE 2201/2101; RC 2001)  OR  BIO 4555_____ (4) Plant Phys (Pre: CHE 1102 & 1120; Sr. stg)

Biodiversity: Choose one course from the following: 3-4 semester hours

BIO 2000 _____ (4) Introduction to Botany
BIO 3304 _____ (4) Systematic Botany (Pre: BIO 2000)
BIO 4552 _____ (4) Entomology (Pre: Sr. standing)
BIO 4557 _____ (4) Ichthyology (Pre: Sr. standing)
BIO 4559 _____ (4) Mammalogy (Pre: Sr. standing)
BIO 4569 _____ (4) Invertebrate Zoology (Pre: Sr. standing)

C. Required Cognate Courses: 37 semester hours (12 semester hours of cognate courses are counted in general ed requirements.)

Chemistry

CHE 1101/1110 _____ (4) Intro. Chem I & lab  AND  CHE 1102/1120 _____ (4) Intro. Chem II & lab (Pre: CHE 1101 & 1110)
CHE 2101/2102 _____ (4) Fundamentals of Organic Chem I & lab (Pre: CHE 1102 & 1120)

Mathematics

MAT 1110 _____ (4) Calc w/Analytical Geom. I (Pre: MAT 1025 w/C-)
STT 2810 _____ (3) Intro to Statistics (Pre: MAT 1010 or higher)

Physics

PHY 1103 _____ (4) General Physics I (Co: MAT 1020 or 1025)
PHY 1104 _____ (4) General Physics II (Pre: PHY 1103)

General Science (minimum grade of “C” required)

GS 4403 _____ (3) Teaching Sci in Mid/HS [WID] (Pre: RC 2001; Sr stdg)
GS 4404 _____ (3) Meaning & Nature of Sci [WID] (Pre: RC 2001; Sr stdg)

Geology

GLY 1101 _____ (4) Intro to Physical Geology

IV. MINOR (optional)

V. ELECTIVES (taken to total 128 hours for the degree)

2 semester hours of free electives must be outside the major discipline.