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] (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.

NOTE: To be admitted to the Teacher Education Program students must 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 (Not including 12 semester hours already counted in I, above)

A. 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: BIO 1801, CHE 1102, MAT 1025)
BIO 2410_____ (1) Genetics Laboratory (Pre/Co: BIO 2400/2700)
BIO 3312_____ (3) Environmental Studies [WID] (Pre: CHE 2201 or 2101; ENG 2001)
BIO 3521_____ (1) Secondary Science Field Experience
BIO 3800_____ (4) Molecular Biology [WID] (Pre: 1 semester organic CHE; ENG 2001)
BIO 3301_____ (4) Human Systems Physiology [WID] (Pre: CHE 2201/2101; ENG 2001 OR BIO 4555_____ (4) Plant Phys (Pre: CHE 1102/1120)

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
BIO 4557_____ (4) Ichthyology
BIO 4559_____ (4) Mammalogy
BIO 4569_____ (4) Invertebrate Zoology

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
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)

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

Geology
GLY 1101_____ (4) Intro to Physical Geology

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

General Science (minimum grade of “C” required)
G S 4403_____ (3) Tchg Sci in Mid/HS [WID] (Pre: ENG 2001)

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.

Total major requirements – 67-68; Gen Ed courses that may count in major (depends on choices) – 12; net major 55-56 hours.