

CAREER AND TECHNICAL EDUCATION

Bachelor of Science (BS) in Career and Technical Education
Concentration in Technology, Engineering and Design Education

2015-2016
Major Code: 456E [Teaching]

I. General Education Requirements 44 SH

II. Professional Education Requirements All courses must be completed with "C" (2.0) or better. 24 SH

- C I 2300 Teaching and Learning in the Digital Age (2) Entry course to teacher education. Required prior to admission to teacher education.
FDN 2400 Critical Perspectives on Teaching and Learning (2) Required prior to admission to teacher education. Prerequisite or Co-requisite: CI 2300.
PSY 3010 Psychology Applied to Teaching (3) May be taken prior to or after admission to teacher education. Prerequisite or Co-requisite: CI 2300.
SPE 3300 Creating Inclusive Learning Communities (3) Admission to teacher education required. Prerequisites: CI 2300, FDN 2400, PSY 3010.
CI 3400 Policies and Practices in Educational Assessment (2) Admission to teacher education required. Prerequisites: CI 2300, FDN 2400, PSY 3010.
CI 4900 Student Teaching (12) (Graded on S/U basis)
All courses in professional education core must be completed with grades of C (2.0) or better prior to student teaching, along with other courses identified within the major to be completed prior to student teaching and/or requiring C (2.0) or better.

Table with 3 columns: PRAXIS I Academic Skills Assessments (PPST Reading, PPST Writing, PPST Mathematics), PRAXIS II Subject/Assessment Exams (s), Proficiencies (English, Reading, Speech)

III. Foundation Coursework Requirements 0 SH

* If taken as part of General Education, then they will double count. Transfer students will need to take these courses if they did not meet the equivalent.

- MAT 1025 Algebra and Elementary Functions (4)
TEC 2029 Society and Technology (3)
Choose from the following: Science Inquiry (8)
BIO 1201 Biology in Society I (3) & BIO 1202 Biology in Society II (3) + BIO 1203 Biology in Society Laboratory (2)
OR
CHE 1101/1110 Introductory Chemistry I & CHE 1102/1120 Introductory Chemistry II
OR
PHY 1103 General Physics I & PHY 1104 General Physics II

IV. Career and Technical Education Core Requirements 13 SH

- All courses must be completed with "C" (2.0) or better
CTE 4619 Career and Technical Education Curriculum (3) +
CTE 4629 Management of Career and Technical Education Programs and CTSOs (3) +
CTE 4650 Research in Career and Technical Education (3) +
CTE 4660 Methods and Materials in Career and Technical Education (3) +
CTE 4910 Practicum in Career and Technical Education (1) +

IV. Major Course Requirement 30 SH

- TEC 1708 Construction Technology and Building Codes (3) +
TEC 1728 Architectural Graphics and Computer Modeling (3) +
TEC 2188 Transportation Systems and Devices (3) +
TEC 3009 Introduction to the Technology Teaching Profession (3) +
TEC 3039 Materials Science (3) +
IND 2110 Introduction to Fabrication (3) +
B E 3380 Information Systems for Business and Education Professionals (3) +
B E 4650 Computer Applications for Business and Education Professionals (3)+

TEC Electives (6 hours chosen at the discretion of the advisor)++

Cannot be taken before being admitted to Teacher Education. + Must be completed with a grade of "C" (2.0) or better
++ Must have a "C" (2.0) average or better

V. Second Academic Concentration 9-12 SH

Total of 18 SH required. (9 SH General education and/or major). Select from the following:
Graphic Communications, Materials Science, STEM, Sustainable Design and Technology or other SACs possible when recommended by program coordinator.

Blank lines for selecting second academic concentration courses.

VI. Electives (Dependent on selected second academic concentration) 3 SH

VII. Total Hours in Program 123-126 SH