CAREER AND TECHNICAL EDUCATION
Bachelor of Science (BS) in Career and Technical Education      2015-2016
Concentration in Technology, Engineering and Design Education
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

   CI 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) Prerequisite or Co-requisite: CI 2300.
   PSY 3010_____Psychology Applied to Teaching (3) May be taken prior to or after admission to teacher education.
   SPE 3300_____Creating Inclusive Learning Communities (3) 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.

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 (3) ______
   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 (3/1) Introductory Chemistry I & CHE 1102/1120 (3/1) Introductory Chemistry II
   OR
   PHY 1103 (4) General Physics I & PHY 1104 (4) 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)
   CI 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.

   _______ _________ _______ _________

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

VII. Total Hours in Program 123-126 SH

3/12/2015