Bachelor of Science in Career and Technical Studies

Requirements (74 units)

Total units required for graduation: 180

Admission to the Program

As prerequisites for acceptance into the B.S. in Career and Technical Studies, students must complete the following as a "Pre-Career and Technical Studies major." Upon acceptance into the program, a student's major will be changed from "Pre-CTS" to "Career and Technical Studies" status.

Requirements to enter the B.S. in Career and Technical Studies:

1. An earned AA or AS degree in a technical field or consent of the department advisor;
2. Completed CSU GE-Breadth Certification from a California Community College, including the American Institutions requirements (U.S. History, U.S. Constitution, and California State and Local Government);
3. A minimum of 90 earned quarter units;
4. A minimum GPA of 2.0;
5. A formal application submitted to the program advisor. Please see the Department of Science, Math, and Technology Education for forms.

Requirements for the B.S. in Career and Technical Studies (Program Code: CTEC)

Career and Technical Studies (26)

Students must complete 18 required units and 8 elective units from this area as specified in a program plan developed with a program advisor.

ECTS 501 Principles and Methods for Teaching Designated Subjects 4
ECTS 502 Instructional Support for Teaching Designated Subjects 4
ECTS 503 Contemporary Issues in Teaching Designated Subjects 4
ECTS 504 Principles of Career and Technical Education 4
ECTS 540 Topics in Career and Technical Education 2
Eight units chosen from: 8

ECTS 508 Organization and Structure of Career and Technical Programs
ECTS 509 Personnel Management in Career and Technical Programs
ECTS 510 Field Work in Coordination and Supervision of Career and Technical Programs
ECTS 518 Field Work in Designated Subjects
ECTS 519 Computer Applications for Career and Technical Educators

Instructional Technology (24)

Students will complete 12 required units and 12 elective units from this area as specified in a program plan developed with a program advisor.

ECTS 501 Foundations of e-Learning 4
ECTS 541 E-Learning Design and Development 4
ECTS 542D Seminar in Instructional Technology 4
Twelve units chosen from: 12

ECTS 500 Foundations in Instructional Education
ECTS 537 Computer Based Technology in Education I
ECTS 543 Technology and Learning I
ECTS 544 Design and Development of Instructional Materials I
ECTS 546 Computer Based Technology in Education II

Entrepreneurship (24)

Students will complete 16 required units and 8 elective units from this area as specified in a program plan developed with a program advisor.

ENTR 543 New Venture Opportunity Analysis 4
ENTR 544 New Venture Development 4
ENTR 545 New Venture Resource Requirements 4
ENTR 549 Launching the Entrepreneurial Venture 4
Eight units chosen from: 8

FIN 420 Entrepreneurial Finance
ENTR 442 Small Business Management
HRM 455 Human Resources Management
MGMT 515 Business Consulting
ENTR 541 Commercializing Entrepreneurial Innovation
ENTR 547 Managing a Growing Business
MGMT 575 Internship
MKTG 430 Professional Selling and Sales Management
MKTG 460 Retailing

Total Units 74

Note: In order to qualify for the Designated Subjects Career and Technical Education Teaching Credential, students should have at least three years of verifiable work experience directly related to each industry sector named on the credential. One year must equal a minimum of 1000 clock hours for ROP or 1500 hours for adult education. Students pursuing the credential must also earn a “B” or better in all professional education courses attempted (those with the ECTS prefix).