

# Career and Technical Studies (B.S.)

College of Education



The Bachelor of Science degree in Career and Technical Studies is designed specifically for community college transfers. It allows students the opportunity to earn a B.S. degree, Designated Subjects credential, Instructional Technology e-Learning Certificate, and minor in Entrepreneurship simultaneously. This degree is ideal for persons with a two year technical degree. It is an excellent degree for those pursuing positions in management, business ownerships, education, training, and workforce and human resource development.

**NOTE:** In order to qualify for the Designated Subjects Career and Technical Education Teaching Credential, students must have at least three years of verifiable work experience directly related to each industry sector named on the credential. One year must be within the last five years or two years within the last 10 years. One year equals a minimum of 1000 clock hours. Students pursuing the credential must also earn a "B" or better in all professional education courses attempted (those with the ECTS prefix).

## 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 PROGRAM:

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. onstitution, and California State and Local Government).
3. A minimum of 90 earned quarter units.
4. A minimum GPA of 2.00.

## REQUIREMENTS FOR THE B.S. IN CAREER AND TECHNICAL STUDIES:

### Career and Technical Studies (28 units)

Students must complete 16 required units and 12 elective units from this area as specified in a program plan developed with a program advisor.

|                 |   |
|-----------------|---|
| <b>ECTS 501</b> | Principles and Methods for Teaching Designated Subjects (4) |
| <b>ECTS 502</b> | Instructional Support for Teaching Designated Subjects (4)  |
| <b>ECTS 503</b> | Contemporary Issues in Teaching Designated Subjects (4)     |
| <b>ECTS 504</b> | Principles of Career and Technical Education (4)            |

### Twelve units chosen from:

|                 |   |
|-----------------|---|
| <b>ECTS 508</b> | Organization and Structure of Career and Technical Programs (4)       |
| <b>ECTS 509</b> | Personnel Management in Career and Technical Programs (4)             |
| <b>ECTS 510</b> | Field Work in Coordination in Career and Tech. Programs (4)           |
| <b>ECTS 518</b> | Field Work in Designated Subjects (4)                                 |
| <b>ECTS 519</b> | Computer Applications for Career and Technical Educators (4)          |
| <b>ECTS 520</b> | Curriculum Development for Career a Technical Programs (4)            |
| <b>ECTS 521</b> | Assessing Student Progress (4)  |
| <b>ECTS 522</b> | Directing and Managing Occupational Programs (4)                      |
| <b>ECTS 523</b> | Learning Theory and Instructional Research App. to Adult Learners (4) |

### Instructional Technology (24 units)

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

|                  |                                    |
|------------------|------------------------------------|
| <b>ETEC 501</b>  | Foundations of e-Learning (4)      |
| <b>ETEC 541</b>  | E-Learning Design and Develop. (4) |
| <b>ETEC 542D</b> | Seminar in Instructional Tech. (4) |

### Twelve units chosen from:

|                 |  |
|-----------------|--|
| <b>ETEC 500</b> | Foundations of Instructional Tech. (4) |
| <b>ETEC 537</b> | Computer Based Tech. in Ed. I (4)      |
| <b>ETEC 543</b> | Technology and Learning (4)            |
| <b>ETEC 544</b> | Design of Instructional Materials (4)  |
| <b>ETEC 546</b> | Computer-Based Tech. in Ed. (4)        |

### Entrepreneurship (24 units)

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

|                 |  |
|-----------------|--|
| <b>MGMT 543</b> | New Venture Opportunity Analysis (4)   |
| <b>MGMT 544</b> | New Venture Development (4)            |
| <b>MGMT 545</b> | New Venture Resource Require. (4)      |
| <b>MGMT 549</b> | Launching the Entrepreneurial Vent.(4) |

### Eight units chosen from:

|                 |   |
|-----------------|---|
| <b>FIN 420</b>  | Entrepreneurial Finance (4)               |
| <b>MGMT 442</b> | Small Business Management (4)             |
| <b>MGMT 455</b> | Human Resources Management (4)            |
| <b>MGMT 515</b> | Small Business Consulting (4)             |
| <b>MGMT 541</b> | Commercial Entrepreneurial Innovation (4) |
| <b>MGMT 547</b> | Managing a Growing Business (4)           |
| <b>MGMT 575</b> | Internship in Management (4)              |
| <b>MKTG 430</b> | Pro. Selling and Sales Management (4)     |
| <b>MKTG 460</b> | Retailing (4)                             |
| <b>MKTG 530</b> | Strategic Entrepreneurship (4)            |

## UPPER DIVISION

### GENERAL EDUCATION CAPSTONES

There are five additional upper division general education courses required of all students regardless of major. These courses are to be taken at the university. They are not available at the community college.

### ADMISSION PROCEDURES

Admission standards and procedures are the same whether a student intends to enroll at PDC or the San Bernardino campus. Students should submit an application and transcripts of all previous college course work as early as possible prior to the time they wish to enroll. Applications can be obtained on-line at: [csumentor.edu](http://csumentor.edu) or by calling or coming to the PDC office.

### FOR FURTHER INFORMATION, PLEASE CONTACT:

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