

# Education

## School of Language and Literature

**Dean** Joel M. Levine, Ed.D., Office 430F, 619-482-6349

**Faculty** John Randall Beach, M.A.; Elisa Hedrick, M.A.; Cynthia McDaniel, Ed.D.; Michael Wickert, M.F.A.; Leslie Yoder, C.Phil.; Susan Yonker, M.A.

**Department Chair** Leslie Yoder, M.A.

### General Description

The Education program focuses on the acquisition of skills and knowledge necessary to complete a degree in education or to obtain a job in the teaching profession. Coursework explores philosophies of education and pedagogy while emphasizing career exploration through public speaking experience, tutor training, and early fieldwork in public school classrooms.

### Career Options

Employment opportunities in private and public schools for credentialed teachers are excellent due to pending retirements and the demand for graduates with bilingual or special education credentials. Below is a sample of the career options available for the Education major. A few of these require a significant accumulation of units, most require a bachelor's degree, and some require a California teaching credential or graduate-level degree: tutor, after-school program specialist, teaching assistant, substitute teacher, K-12 public school teacher, K-12 special education teacher, post-secondary teacher, self-enrichment teacher, speech-language pathologist, education administrator, counselor, adult literacy specialist, librarian, childcare worker, and psychologist.

### Degree/Certificate Options

#### Career/Technical: Certificate of Achievement

|                               |                   |
|-------------------------------|-------------------|
| Teacher Education Preparation | <b>Major Code</b> |
|                               | 01415             |

*Consult with a counselor to develop a Student Education Plan (SEP), which lists the courses necessary to achieve your academic goal.*

## CERTIFICATE

### Teacher Education Preparation

#### Certificate of Achievement

Career/Technical (Major Code: 01415)

Designed for students initiating their preparation to enter the education field. Includes early field experience in K-12 public school classrooms and the skills necessary for success as a teacher through specified coursework. Program participants must attend one STEP program orientation per semester.

|             |                                                        |           |
|-------------|--------------------------------------------------------|-----------|
| COMM 103    | Oral Communication                                     | 3         |
| ED 100      | Tutor Training: Level I                                | 2         |
| ED 110      | Teaching and Learning Practicum                        | 2         |
| ED/ENGL 200 | Teaching as a Profession                               | 3         |
| ENGL 115    | Reading and Composition: Exposition and Argumentation* | 4         |
|             | <b>Total units</b>                                     | <b>14</b> |

\* Required ENGL 115 must be fulfilled by taking a section of ENGL 115 designated for "For Future Teachers".



Some courses within this program may require additional coursework that must be completed prior to enrollment in those courses.

Please consult the individual course listings for prerequisites and any other limitations on enrollment.

# Electronics

## Departments of Applied Technology, CIS/Electronics, and Administration of Justice

**Dean** Terry Davis, M.H.A., Office 1000K, 619-482-6551

**Faculty** William Snell, M.S.; Russell Bonine

**Department Chair** Thomas Luibel, B.S.

### General Description

Electronics is a technological giant among America's businesses and industries. The electronics technician possesses the fundamental knowledge of both the engineer and the craftsman and thus acts as a liaison between them. Our programs offer opportunities for certification studies in the field. Study in this program consists of building and testing prototype circuits and equipment, modifying electronic apparatus, and interpreting schematic drawings and sketches. Computer electronics is also emphasized with programs focused on Microsoft certified systems. Intensive Training and Computer Systems Intensive Certification training. Southwestern College is a member of the International Electronics Technicians Articulation Committee (IETAC).

### Career Options

Below is a sample of the career options available for the electronics/electrical majors. Most of these require an associate degree, some require a bachelor's degree, and a few require a graduate-level degree: electronics mechanic, automated systems technician, manufacturing specialist, computer support technician, electrical/electronics test technician, engineering assistant, telecommunications engineer and technician, network specialist, sales representative, and service technician. Entry-level career opportunities are available in electric utilities, industrial plants, engineering firms, electrical manufacturing, smart home construction and landscaping businesses, telecommunications, biomedical electronics, and radio and television stations.

### Degree/Certificate Options

#### Associate in Science Degree: Career/Technical

|                                                   |       |
|---------------------------------------------------|-------|
| Computer Systems Intensive Certification Training | 02135 |
| Electronics—Computer Technician                   | A2907 |
| Electronics—Internetwork Technician               | A2911 |
| Electronics—Network Administrator                 | A2913 |

### Certificates of Achievement

|                                                            |       |
|------------------------------------------------------------|-------|
| Computer Systems Intensive Certification Training—Basic    | 02242 |
| Computer Systems Intensive Certification Training—Advanced | A2136 |
| Electronics—Computer Technician—Advanced                   | A2916 |
| Electronics—Internetwork Technician—Advanced               | A2918 |
| Electronics—Network Administrator—Advanced                 | A2919 |

### Certificates of Proficiency

|                                           |       |
|-------------------------------------------|-------|
| Electronics—Computer Technician—Basic     | A2908 |
| Electronics—Internetwork Technician—Basic | A2912 |
| Electronics—Network Administrator—Basic   | A2914 |
| Mobile Electronics—Basic                  | 02902 |

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