

# ECONOMICS

## SCHOOL OF BUSINESS AND TECHNOLOGY

**DEAN:** Mink Stavenga, DBA, Office 470K, 619-482-6569

**FACULTY:** Peggy Crane, M.S.

**DEPARTMENT CHAIR:** Christopher Hayashi, M.A., Ed.D.

### GENERAL DESCRIPTION

Economics is a social science that examines the functions of various markets, the determination of prices, the distribution of income, the rates of unemployment, income, and inflation. The study of economics deals with social problems and issues such as racism, sexism, war, and poverty. The focus of learning is on principles of economic analysis, fiscal and monetary policy, macro and micro theories, consumer protection, international trade, American economic history, monetary systems, and governmental regulations.

### CAREER OPTIONS

Below is a sample of the career options available for the economics major. A few of these require an associate degree, most require a bachelor's degree, and some require a graduate-level degree: economist, general manager, budget analyst, industrial relations specialist, high school or college instructor, research technician, market analyst, labor relations arbitrator, business conditions forecaster, investment analyst, economic commentator, manpower economist, natural resource economist, commodity economist, energy economist, international economist, and commodity price forecaster.

### DEGREE/CERTIFICATE OPTIONS

### MAJOR CODE

**Associate in Arts Degree: Transfer Preparation**

Economics

01190

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

## ASSOCIATE IN ARTS DEGREE

## ECONOMICS



### ASSOCIATE IN ARTS DEGREE TRANSFER PREPARATION \* (MAJOR CODE: 01190)

Economics is the social science that studies the production, distribution, and consumption of goods and services. Many beginning positions in business and government are available to students with a bachelor's degree in economics.

### Program Student Learning Outcome Statement:

- Student will be able to identify and apply economic theories, principles, and reasoning to better understand and critically evaluate real world circumstances, trends, and events.

ECON 101	Principles of Economics I	3
ECON 102	Principles of Economics II	3
MATH 119	Elementary Statistics	4
MATH 120	Calculus for Business Analysis	4
	Foreign Language	10-15
<b>Total units</b>		<b>24-29</b>

To earn an associate degree, additional general education and graduation requirements must be completed. See page 64.

- \* Students planning to transfer to a four-year college or university should complete courses specific to the transfer institution of choice. University requirements vary from institution to institution and are subject to change. Therefore, it is important to verify transfer major preparation and general education requirements through consultation with a counselor in either the Counseling Center or Transfer Center. See catalog TRANSFER COURSES INFORMATION section on page 45 for further information.

# EDUCATION

## SCHOOL OF LANGUAGE, LITERATURE, AND HUMANITIES

**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, M.A. C.Phil.; Susan Yonker, M.A.

**DEPARTMENT CHAIR:** Leslie Yoder, M.A., C.Phil.

### 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

### MAJOR CODE

#### Associate in Arts Degree: Transfer Preparation

Elementary Teacher Education (SB1440) 01407

#### Career/Technical: Certificate of Achievement

Teacher Education Preparation 01415

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

## ASSOCIATE IN ARTS FOR TRANSFER

## ELEMENTARY TEACHER EDUCATION

### STUDENT TRANSFER ACHIEVEMENT REFORM (STAR) ACT (SB1440)



### ASSOCIATE IN ARTS DEGREE CAREER/TECHNICAL\* (MAJOR CODE: 01407)

Designed to prepare students for transfer into a Liberal Studies program at a four-year university by offering students a breadth of study relevant to a California Elementary (Multiple Subject) Teaching Credential. Additional requirements for the Elementary Teacher Education major vary at each CSU campus. Students should verify the major preparation required at the CSU they wish to attend with a counselor.

#### Program Student Learning Outcome Statement:

- Assess the personality traits necessary to become a successful teacher and evaluate whether teaching is an appropriate career.

### REQUIRED CORE: (44 units)

ED 200	Teaching as a Profession (3)	
	OR	3
ENGL 200	Teaching as a Profession (3)	
CD 170	Principles of Child Development	3
BIOL 100	Principles of Biology (3)	
	AND	4
BIOL 101	Principles of Biology Laboratory (1)	
PHS 101	Introduction to the Physical Sciences (3)	
	AND	4
PHS 101L	Introduction to the Physical Science Laboratory (1)	
GEOL 104	Introduction to Earth Science	3
GEOL 101	General Geology Laboratory	1
MATH 110	Mathematics for Elementary School Teachers I	4
COMM 104	Public Speaking	3
ENGL 115	College Composition: Reading and Writing Analytically	4
ENGL 220	Introduction to Literature	3
GEOG 106	World Regional Geography	3
HIST 106	World History I	3
HIST 100	American Civilization I	3
PS 102	Introduction to American Government and Politics	3

### LIST A: select one (3–4 units)

3–4

ENGL 116	Critical Thinking and Composition (4)	
	OR	
PHIL 103	Logic and Critical Thinking (3)	
	OR	
COMM 160	Argumentation and Debate (3)	

### LIST B: select one (3 units)

3

ART 104	Introduction to Art (3)	
TA 101	Introduction to the Theatre (3)	
ART 151	Art History—Renaissance to Contemporary (3)	

### LIST C: (0–10 additional units — if needed)

Any courses not selected above.  
Any course that is articulated as lower division preparation for the Liberal Arts, Integrated Teacher Education, or other similar major at a CSU.

MATH 111	Mathematics for Elementary School Teachers II (4)	
	OR	
MATH 112	Children's Mathematical Thinking (1)	
	OR	
ES/T 200	Physical Education for Elementary School (2)	
	OR	
MUS 103	Musicianship for General Elementary Teachers (3)	
<b>Total units</b>		<b>50–60</b>

### NOTE:

- Additional requirements for the Elementary Teacher Education major vary at each CSU campus. It is highly recommended that students meet with counselors to discuss courses that are required by local CSU campuses and encourage students to take some of these additional courses prior to transfer.
- This TMC has been designed to meet the introductory content area subject matter requirements for teaching at the elementary school level. Careful consideration was given to identify a specific match to CSU general education requirements for transfer.



3. Due to considerable overlap between the major requirements and general education (GE), this TMC presumes that all courses in the TMC do fill the indicated CSU-GE requirement. If the courses at a given college do not currently fill all the indicated GE requirements, colleges may want to pursue further CSU-GE approval, or a TMC-aligned degree may not be possible within the SB 1440-mandated 60 unit maximum for the total degree.

## 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.

#### Program Student Learning Outcome Statement:

- Acquire the skills necessary to work as a paraprofessional in education.

### GAINFUL EMPLOYMENT:

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that “prepares students for gainful employment in a recognized occupation.”

Students who complete this program will have acquired the necessary analytical tools to successfully secure gainful employment in the field of study.

For more information regarding the data provided for this program and what it means to you as a student, please feel free to visit our SWC Gainful Employment website at: [www.swccd.edu/gainfulemployment](http://www.swccd.edu/gainfulemployment).

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	College Composition: Reading and Writing Analytically	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”.

# ELECTRONICS

## SCHOOL OF BUSINESS AND TECHNOLOGY

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**DEAN:** Mink Stavenga, DBA, Office 470K, 619 482-6569

**DEPARTMENT CHAIR:** Thomas Luibel, B.S.  
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### 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

### MAJOR CODE

#### Certificates of Proficiency

Electronics—Computer Technician—Basic	A2908
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Consult with a counselor to develop a Student Education Plan (SEP), which lists the courses necessary to achieve your academic goal.

