

Economics

Award Type	Units
Associate in Arts for Transfer Degree: Economics	18–21

Description

The Associate in Arts in Economics for Transfer Degree is intended for students who plan to complete a bachelor's degree in Economics or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree. Students who plan to complete this degree should consult a counselor for additional information about participating CSU campuses as well as university admission, degree and transfer requirements.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

General Education: In addition to the courses listed below, students must complete one of the following general education options:

The IGETC pattern (page 126) is accepted by all CSU campuses and most UC campuses and majors. It is also accepted by some private/independent or out of state universities.

The CSU GE pattern (page 134) is accepted by all CSU campuses and some private/independent or out of state universities. It is not accepted by the UC system.

It is strongly recommended that students consult with a counselor to determine which general education option is most appropriate for their individual educational goals.

The following is required for all AA-T or AS-T degrees:

Completion of 60 CSU-transferable semester units. No more than 60 units are required.

Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.

Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major (see list below). All courses in the major must be completed with a grade of "C" or "P" or better.

Certified completion of the California State University General Education-Breadth pattern (CSU GE; see page 134 for more information); OR the Intersegmental General Education Transfer Curriculum pattern (IGETC; see page 126 for more information).

Program Goals:

The purpose of the Associate in Arts in Economics for Transfer degree is to offer an organized course of study that will prepare students intending to major in Economics at the California State University (CSU). It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree. Students who plan to complete this degree should consult a counselor for additional information about participating CSU campuses as well as university admission, degree and transfer requirements.

Program Emphasis:

Careers related to this field typically require education beyond the associate degree level and some may require a graduate degree.

Associate in Arts in Economics for Transfer Degree:

Courses Required for the Major:		Units
ECON 120	Principles of Macroeconomics	3
ECON 121	Principles of Microeconomics	3
MATH 119	Elementary Statistics	3
MATH 121	Basic Techniques of Applied Calculus I	3

Select one of the following courses (3–5 units):

ACCT 116A	Financial Accounting	4
ACCT 116B	Managerial Accounting	4
BUSE 119	Business Communications	3
CISC 181	Principles of Information Systems	4
MATH 116	College and Matrix Algebra	3

MATH 122	Basic Techniques of Calculus II	3
MATH 150	Calculus with Analytic Geometry I	5
MATH 151	Calculus with Analytic Geometry II	4

Select one of the following courses not already selected above (3–4 units):

ACCT 116A	Financial Accounting	4
ACCT 116B	Managerial Accounting	4
BUSE 119	Business Communications	3
CISC 181	Principles of Information Systems	4
MATH 116	College and Matrix Algebra	3
MATH 122	Basic Techniques of Calculus II	3
MATH 151	Calculus with Analytic Geometry II	4

Total Units = 18–21

Electricity

Award Type	Units
Certificate of Performance:	
Electrical Recertification Preparation	9
Certificate of Achievement:	
Electrical Control Systems Option	25
Electricity	20
Lineman	30
Associate of Science Degree:	
Electricity	20*
Lineman	30*

* and courses to meet graduation requirements, general education and electives as needed to meet the minimum of 60 units required for the degree.

Description

The San Diego Gas and Electric (SDGE) program is designed to provide students with an opportunity to master the skills required for success in the electrical trades. Emphasis is placed on electrical principles and safety on the job in the study of power distribution and line construction industry. Topics include the use of "hot sticks" and special equipment, repair and maintenance of poles and lines, both cold and energized, and safety practices, and the local/state requirements. Students are expected to master competencies, such as those included in elements of electricity, overhead pole and electrical line construction, safety codes and applications, electric power system, transformer and meter installations, and exploration of underground electrical distribution.

Program Goals

The goal and objective of this program is to provide students with hands-on skills and theoretical knowledge needed to meet the demands of an electrician entering the field.

Program Emphasis

The program begins with an introduction to basic electrical theory and continues through advanced electrical theory, installation and maintenance of industrial equipment, familiarization with electrical codes and blueprints, and the characteristics and uses of motor controls. Emphasis is also placed on electrical safety and application of the National Electric Code to residential and commercial electrical installations. The program also offers courses intended to satisfy the State of California re-certification requirements for electricians working for or as a C-10 Electrical Contractor.

Career Options

Employment may be found as an electrician, electric lineman, maintenance electrician, electrical helper, electrical motor repairer, appliance repairer, or protective signal installer and repairer. Industries that hire electricians range from city and government agencies to commercial firms as well as homeowners.

Students interested in an electrical trade apprenticeship are directed to the Apprenticeship information in this Catalog (see Index). The Electricity Program offers Electrician Trainees who have taken course for an apprenticeship program the opportunity to apply their courses toward earning a certificate or an associate degree in Electricity. Apprentice students who plan to complete a certificate or an associate degree in Electricity should consult the professor on record for the Electricity program.

Faculty	Office	Telephone
Kenneth Heifner	T-293-C	619-388-3731

Program Learning Outcomes

Students who complete the program will be able to:

- Demonstrate knowledge of electrical codes and blueprints.
- Discuss and demonstrate knowledge of safety in the electrical field.