

Programs of Study

AA = Associate in Arts Degree and AS= Associate in Science Degree (4 semesters, 60+ units)
 AD-T = Associate Degree for Transfer (California State University system, 60 units)
 C = Certificate of Achievement and LC = Local Certificate (1-3 semesters, short-term training)

Administration of Justice.	AS-T
Administration of Justice - Correctional Science.	AS
Agriculture Plant Science.	AS-T
Agriculture Science Technology.	LC
Agriculture Science Technology.	AS
Art.	AA-T
Biology.	AS-T
Business - Administration 2.0.	AS-T
Business - Bookkeeping.	C
Business - Management.	C
Business - Management.	AS
Business - Retail Business Management.	C
Chemistry.	AS-T
Child Development - Administrative.	LC
Child Development - Assistant Teacher.	LC
Child Development - Associate Teacher.	LC
Child Development - School-Age.	LC
Child Development - Teacher.	C
Child and Adolescent Development.	AA-T
Communication Studies.	AA-T
Computer Information Systems (CIS) - Microcomputer Applications Specialist.	C
Computer Information Systems (CIS) - Microcomputer Applications Specialist.	AS
Early Childhood Education.	AS-T
Elementary Teacher Education.	AA-T
English.	AA-T
English as a Second Language.	LC
Entry Level Diesel Mechanic.	C
Entry Level Truck Driving.	C
Equipment Technician.	C
Food Science and Safety.	C
Geography.	AA-T
Geology.	AS-T
Health Science (General).	AS
Heating Ventilation and Air Conditioning.	C
Heavy Equipment Operation.	C
History.	AA-T
Integrated Pest Management.	C
Kinesiology.	AA-T
Kinesiology.	AA
Liberal Arts - Area of Emphasis for Arts and Humanities.	AA
Liberal Arts - Area of Emphasis for Math and Science.	AA
Liberal Arts - Area of Emphasis for Social and Behavioral Science.	AA
Life Skills.	LC
Mathematics.	AS-T
Physics.	AS-T
Political Science.	AA-T
Precision Agriculture.	C

Professional Driving.	C
Psychiatric Technician.	AS
Psychiatric Technician.	C
Psychology.	AA-T
Sociology.	AA-T
Transfer Studies - CSU GE Breadth.	C
Transfer Studies – Full Intersegmental General Education Transfer (IGETC) Curriculum Certification: UC.	C
Transfer Studies – Full Intersegmental General Education Transfer Curriculum (IGETC) Certification: CSU.	C
Welding Technology.	C

Administration of Justice

Administration of Justice AS-T Degree

The Associate in Science in Administration of Justice for Transfer degree provides introductory and journey level course work in Administration of Justice for local, state, federal, and private enterprise levels. Student development is enhanced with philosophical, statutory, practical, and tactical experience. Students will be prepared to work in a variety of fields, including public law enforcements agencies such as municipal police, probation officers, county deputy sheriffs, correctional officers, game wardens, state parks and private security.

The Associate in Science Transfer degree is intended for students who plan to complete a bachelor's degree in Criminal Justice or a related field of study in the California State University System. Students will be prepared to study in the following areas; Administration of Justice, Law Enforcement, Correctional Administration, Social Science, and Pre-Law. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree.

Program student learning outcomes:

1. Students will explain the legal processes of the criminal justice system.
2. Students will list and describe the components of the criminal justice system.
3. Students will compare and contrast the theories behind effective policing and crime prevention.
4. Students will compare and contrast three theories of criminological behavior.
5. Students will write a research paper using APA format.
6. Students will write a case brief from a U.S. Supreme Court Case.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
 - The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
 - A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtain a minimum grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of the IGETC and/or CSU GE-Breadth

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

This program has 50 percent or more of the major courses available via distance education/online

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (6 Units)		
AOJ 001	Introduction to Criminal Justice	3
AOJ 020	Criminal Law	3
Plus 6 units from below:		
AOJ 003	Introduction to Corrections	3
AOJ 010	Principles & Procedures of Criminal Justice	3
AOJ 016	Human and Community Relations in Criminal Justice	3
AOJ 022	Criminal Evidence	3
AOJ 024	Criminal Investigation	3
AOJ 032	Juvenile Delinquency	3
Plus 6-7 units from below:		
PSYCH 001	Introductory Psychology	3
SOC 001	Introduction to Sociology	3
MATH 025	Introduction to Statistics	4
	Total Major Units.	18-19
	Units to be double-counted as General Education.	6
	CSU GE Breadth or IGETC.	41-42
	Transferable Elective Units.	
	Total	60

Administration of Justice - Correctional Science

Correctional Science AS Degree

The Administration of Justice Correctional Science degree is designed to provide the student with option of emphasizing their program of study in the correctional science field. This program provides introductory and journey level course work in corrections for local, state, federal and private levels of correctional enterprise levels. This program enhances student development with philosophical, statutory, and practical background necessary to successfully compete in a technologically advance competitive, and rewarding career field. The following have been recognized as core course requirements by the Commission on Correctional Peace Officers Standards and Training (STC) for all new apprentices (entry-level) hired with the Department of Corrections and Department of Youth Authority after July 1, 1995.

Program Student Learning Outcomes:

1. Students will be able to write correct documents used in corrections using proper format and citations. This includes reports, memos, and legal briefs.
2. Students will be able to explain the basic rights afforded persons who are under the authority of the correctional system.
3. Students will be able to track the appeals process of a convicted offender through the state and federal court system.
4. Students will be able to explain the requirements and responsibilities of those who are employed in the correctional system.

Students must fulfill the following requirements to qualify for an Associate Degree:

- Complete the Local General Education, CSU General Education (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) requirements,
- Complete a minimum of 18 additional units from the major list below,
- Complete electives to reach a total of 60-degree applicable units,
- Earn a grade of C or better in each major course,
- Maintain a minimum cumulative G.P.A. of 2.00, and
- Complete the English and math proficiency requirements with a C or better

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (18 Units)		
AOJ 003	Introduction to Corrections	3
AOJ 004	Control & Supervision of Inmates	3
AOJ 006	Correctional Interviewing and Counseling	3
AOJ 007	Legal Aspects of Corrections	3
AOJ 012	Written Criminal Justice Communications	3
AOJ 020	Criminal Law	3
Plus 3 units from the courses listed below:		
AOJ 016	Human and Community Relations in Criminal Justice	3
AOJ 024	Criminal Investigation	3
AOJ 029	Criminology	3
AOJ 032	Juvenile Delinquency	3
	Total Major Units.	21
	Total Units that may be double-counted towards GE Units	
	
	General Education (GE) Units.	
	Elective Units (As needed to reach 60 units).	
	Total Degree Units	60

Agriculture Plant Science

Agriculture Plant Science AS-T Degree

The Associate in Science in Agriculture Plant Science for Transfer Degree is designed to provide students a seamless transfer to the California State University system. The degree is designed to prepare students for a baccalaureate degree in Plant Science or similar major.

This program provides knowledge of the general principles of agricultural production including soil fertility and irrigation management, tractor operation, pest control and planting, growing, harvesting and marketing of crops.

This program includes coursework required for entry-level positions and foundational knowledge required for careers as pest control advisors, certified crop advisors, farm managers, irrigation consultants, fertilizer sales, and agricultural research technician. A baccalaureate degree in Plant Science will prepare students for various careers in viticulture, horticulture and agronomy.

Program student learning outcomes:

1. Students will identify the major plant vegetative and reproductive structures and explain plant growth and reproduction processes including respiration, photosynthesis, transpiration, growth, fertilization and fruit formation.
2. Students will integrate and apply basic plant and soil science principles to achieve sustainable plant growth and yield under diverse environmental conditions.
3. Students will explain historical, present and future challenges associated with local and global food production systems.
4. Students will apply scientific and mathematical reasoning and critical thinking skills to address practical challenges in agricultural production systems.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
- The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
- A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtain a minimum grade point average of 2.0
- Minimum grade of “C” (or “P”) for each course in the major, and
- Completion of the IGETC and/or CSU GE-Breadth

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
 - Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov
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<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (15 Units)		
SLSCI 021 ..	Introduction to Soil Science	4
CHEM 002A	Introductory Chemistry	4
MATH 025 ..	Introduction to Statistics	4
AG 014	Tractor Operations	3
Plus 3 units from the courses listed below:		
CRPSCI 001 .	Introduction to Plant Science	3
CRPSCI 002 .	Plant Science Theory	3
Plus 3 units from the courses listed below:		
AGBUS 040 .	Introductory Agricultural Economics	3
ECON 001B .	Microeconomics	3
	Total Major Units	21
	Units to Be Double-Counted as General Education.....	11
	CSU GE Breadth or IGETC Units.....	37-39
	Transferrable Elective Units.....	19-21
	Total	60

Agriculture Science Technology

Agriculture Science Technology Local Certificate

The Agriculture Science Technology Degree prepares students to work with global positioning satellite (GPS) systems, geographic information system (GIS) software, automatic tractor guidance systems, variable rate chemical input applicators, surveying equipment, and related computer software. Students will learn in hands-on, real-world applications. Completing the certificate qualifies the student to enter the professional job market in the public sector as well as the agriculture industry.

Program student learning outcomes:

1. Students will communicate technical information and work related concepts effectively through professional written and oral communication.
2. Students will describe basic agronomic concepts of soil, tillage, fertilizers, pest control, and crop production.
3. Students will solve problems using critical thinking and troubleshooting skills individually or in a team environment.
4. Students will explore new technologies and apply them to current production issues.

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (15 Units)		
AGBUS 015 .	Computer Application to Agriculture	3
CRPSCI 001 .	Introduction to Plant Science	3
CRPSCI 006 .	Introduction to Precision Agriculture	3
CRPSCI 007 .	Advanced Precision Agriculture	3
CRPSCI 019 .	California Water	3
	Total	15

Agriculture Science Technology

Agriculture Science Technology AS Degree

The Agriculture Science and Technology program prepares students for careers in applications of science and technology in agriculture, including use of sensor technologies for irrigation control and monitoring, global positioning satellite (GPS) systems, geographic information system (GIS) software, automatic tractor guidance systems, drones, variable rate applications, surveying equipment and related computer software. Students will learn in hands-on, real-world applications.

Program student learning outcomes:

1. Students will demonstrate their ability to use agricultural technology.
2. Students will understand agronomic fundamentals (soil, plant, water relationships).
3. Students will demonstrate their ability to physically map using GPS and digitize field boundaries to create maps in GIS.
4. Students will demonstrate job readiness skills needed to obtain employment upon graduation.

Students must fulfill the following requirements to qualify for an Associate Degree:

- Complete the Local General Education, CSU General Education (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) requirements,
- Complete a minimum of 18 additional units from the major list below,
- Complete electives to reach a total of 60-degree applicable units,
- Earn a grade of C or better in each major course,
- Maintain a minimum cumulative G.P.A. of 2.00, and
- Complete the English and math proficiency requirements with a C or better

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (7 Units)		
AGBUS 015 .	Computer Application to Agriculture	3
SLSCI 021 .	Introduction to Soil Science	4
Plus 3 units from the courses listed below:		
CRPSCI 001 .	Introduction to Plant Science	3
or CRPSCI 002 .	Plant Science Theory	3
Plus 15 units from the courses listed below:		
AET 015 .	CAD for Agriculture	2
AET 021 .	Ag-Irrigation Management	3
AG 014 .	Tractor Operations	3
CRPSCI 006 .	Introduction to Precision Agriculture	3
CRPSCI 008 .	Applications of Geospatial Technology	3
CRPSCI 017 .	Control and Sensor Systems in Ag	3
CRPSCI 018 .	Precision Ag Software	3
CRPSCI 019 .	California Water	3
CRPSCI 021 .	Orchard Production	3
CRPSCI 023 .	Row Crop Production	3
CRPSCI 032 .	Weeds and Poisonous Plants	3
CRPSCI 036 .	Fertilizers and Soil Amendments	3
CRPSCI 044 .	Economic Entomology	3
CRPSCI 045 .	California Pest Control Laws and Regulations	2
CRPSCI 046 .	Integrated Pest Management	3
IMT 060 .	Industrial Core	3
	Total Major Units.....	25
	Total Units that may be double-counted towards GE Units.....	
	General Education (GE) Units.....	
	Elective Units (As needed to reach 60 units).....	
	Total Degree Units	60

Art

Studio Arts AA-T Degree

The Associate in Art in Studio Arts for Transfer Degree is designed to provide students a seamless transfer to the California State University system. The degree is designed to prepare students for a baccalaureate degree in Studio Arts or similar major.

The Art program is dedicated to providing the highest quality of lower division art courses for students who are majoring in art as well as all students who want to explore visual artistic expression through the creation of art and the study of art history. The Art program offers a complete selection of lower division courses in the Fine Arts. Students planning to continue their studies at a four-year college typically include courses in Art History, Design, Drawing and other studio art courses. This provides students with a richer understanding of their world and themselves. Students in the art program work with experienced instructors who assist them in the development of a sound artistic foundation.

Program student learning outcomes:

1. Students will create a visually balanced artwork using the art elements and design principles.
2. Students will produce sustained and developed artworks for inclusion in an artistic portfolio.
3. Students will create artworks demonstrating proficiency with basic color theory and color mixing.
4. Students will write a personal and individual critique and artist statement describing her/his series of artworks.
5. Students will describe visual art concepts and terminology relating to art history and art disciplines, media, materials, and techniques.
6. Students will analyze, critique, and respond orally and in writing to a variety of artistic movements throughout European and non-European history.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
- The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
- A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtain a minimum grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of the IGETC and/or CSU GE-Breadth

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (24 Units)		
ART 002	Two-Dimensional Design	3
ART 003	Three-Dimensional Design Fundamentals	3
ART 005A . . .	Basic Drawing	3
ART 005B . . .	Intermediate Drawing	3
ART 013A . . .	Beginning Ceramics	3
ART 015A . . .	Beginning Painting	3
ART 016A . . .	Survey of Western Art: Pre-History to Proto-Renaissance	3
ART 016B . . .	Survey of Western Art: Renaissance to The Present	3
	Total Major Units.	24
	Units to be double-counted as General Education.	6
	CSU GE Breadth or IGETC Units.	39
	Transferable Elective Units.	3
	Total	60

Biology

Biology AS-T Degree

The Associate of Science in Biology for Transfer Degree program is designed to provide entry-level skills and knowledge for a student transferring to a 4-year institution with a major in Biology. The Biology major requires 31 units in Biology and related fields. Course work in this program will provide a foundation in subjects students will study as Biology majors in 4-year colleges or university programs. The Associate of Science in Biology for Transfer degree provides students with a comprehensive knowledge of the scientific study of living organisms. The degree provides students with an understanding of the major theoretical perspectives in biology, knowledge about and the ability to use biological concepts in the analysis of scientific phenomena, opportunities to develop critical thinking as well as written and oral communication skills utilizing a biological perspective, an understanding of chemical and physical concepts relevant to living organisms, and qualitative and quantitative research skills.

Program student learning outcomes:

1. Students will make informed judgments based upon scientific principles and assessment of data.
2. Students will apply the scientific method and propose new questions about the topic based upon the results.
3. Students will explain the symbiotic impacts of humans and the environment based upon an integrative approach.
4. Students will apply the metric system using standard laboratory equipment, assess the validity of the data, and interpret it correctly.
5. Students will demonstrate comprehension of biological principles by working in teams to manage time and tasks, sharing results and analyses, and arriving at a final collaborative product.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
- The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
- A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtain a minimum grade point average of 2.0
- Minimum grade of “C” (or “P”) for each course in the major, and
- Completion of the IGETC and/or CSU GE-Breadth for STEM

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (31 Units)		
BIO 001A ...	Cell and Molecular Biology	4
BIO 001B ...	Organismal Biology	4
CHEM 001A	General Chemistry I	5
CHEM 001B	General Chemistry II	5
MATH 001A	Introduction to Calculus	5
PHYSICS	Mechanics and Thermodynamics	4
002A		
PHYSICS	Electricity, Magnetism, Optics and Modern Physics	4
002B		
	Total Major Units.....	31
	Units to be double-counted as General Education.....	9-10
	CSU GE Breadth or IGETC Units for STEM.....	31-33
	Transferable Elective Units.....	5-8
	Total	60

Business - Administration 2.0

Business Administration 2.0 AS-T

The Associate in Science in Business Administration 2.0 for Transfer Degree is designed to provide students a seamless transfer to the California State University system. The degree is designed to prepare students for a baccalaureate degree in Business Administration or similar major.

Students will gain a broad knowledge in the foundation of the business field including accounting, quantitative analysis, economics, and contract law. The program includes coursework that is essential for entry-level positions and enhances the knowledge base of those who are seeking career advancement. A baccalaureate degree will prepare students to work with a variety of occupations including account executive, analyst, bank employee, buyer, clerk, data-entry specialist, government service, insurance representative, manager, office assistant, public administration, and sales.

Program student learning outcomes:

1. Students will apply accounting and mathematical concepts and principles in making decisions about business operations.
2. Students will determine the monthly payment on an amortized loan over a given interval of time at a specified interest rate.
3. Students will assess the relationships and inter-dependencies of economic, social, legal, and global environments in which businesses operate.
4. Students will identify the laws affecting sole proprietorships, partnerships, and corporations.
5. Students will identify and explain business organizations' major functional areas, including management, marketing, finance, and accounting.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
 - The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
 - A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
 - Obtain a minimum grade point average of 2.0
 - Minimum grade of "C" (or "P") for each course in the major, and
 - Completion of the IGETC and/or CSU GE-Breadth

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

This program has 50 percent or more of the major courses available via distance education/online

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (28 Units)		
BUS 001A ..	Beginning Principles of Accounting	4
BUS 001B ..	Elementary Principles of Accounting	4
BUS 018	Business Law	4
BUS 020	Introduction to Business	3
ECON 001A .	Macroeconomics	3
ECON 001B .	Microeconomics	3
MATH 025 ..	Introduction to Statistics	4
MATH 039 ..	Quantitative Analysis	3
	Total Major Units.....	28
	Units to be double-counted as General Education.....	9
	CSU GE Breadth or IGETC Units.....	39
	Transferable Elective Units.....	2
	Total	60

Business - Bookkeeping

Business Bookkeeping Certificate of Achievement

The Business Bookkeeping Certificate provides occupational training and preparation for entry-level accounting clerk and bookkeeping positions. The program includes basic accounting concepts, business principles, and technology applications in the workplace.

Program student learning outcomes:

1. Students will create professional business documents using word processing software.
2. Students will analyze and record accounting transactions manually and using a computerized accounting system.
3. Students will prepare financial statements manually and using a computerized accounting system.
4. Students will solve basic business math problems.

For Gainful Employment information please visit:

<https://westhillscollge.com/coalinga/degrees-and-certificates/gainful-employment/>

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (24 Units)		
BUS 055	Bookkeeping	3
BUS 013A ..	Word for Windows I	1.5
BUS 013B ..	Word for Windows II	1.5
BUS 020	Introduction to Business	3
BUS 024	Business Mathematics	3
BUS 028	Business Communication	3
BUS 074	Computerized Accounting	3
CIS 007	Computer Concepts	3
CIS 034	Introduction to Spreadsheets (Ends 12/13/2024)	3
	Total	24

Business - Management

Business - Management Option Certificate of Achievement

The Business Management Certificate of Achievement provides an overview of the various disciplines in business such as management, marketing, accounting, and finance. The degree provides a strong foundation for entry into a variety of business fields. The coursework is essential for entry-level positions while enhancing the knowledge base of those who are seeking career progression.

Program student learning outcomes:

1. Students will identify and explain major functional areas of business organizations including management, marketing, finance, and accounting.
2. Students will identify the functions of management and apply them in business situations.
3. Students will apply commonly used computer application programs to create relevant business documents.
4. Students will effectively communicate both verbally and in writing in various business settings.
5. Students will apply business mathematics in order to analyze data and solve business problems.

For Gainful Employment information please visit:

<https://westhillscollge.com/coalinga/degrees-and-certificates/gainful-employment/>

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses		
BUS 001A ..	Beginning Principles of Accounting	4
or BUS 055 ..	Bookkeeping	3
BUS 020	Introduction to Business	3
BUS 024	Business Mathematics	3
BUS 028	Business Communication	3
CIS 007	Computer Concepts	3
	Total Core Courses	15 - 16

Choose one of the following options:

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Management Option Requirements		
BUS 018	Business Law	4
BUS 032	Small Business Management	3
BUS 035	Human Resources Management	3
	Total Management Option	10

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Bookkeeping Option Requirements		
BUS 013A ..	Word for Windows I	1.5
BUS 013B ..	Word for Windows II	1.5
BUS 074	Computerized Accounting	3
CIS 034	Introduction to Spreadsheets (Ends 12/13/2024)	3
	Total Bookkeeping Option	9

<i>Course #</i>	<i>Title</i>	<i>Units</i>
	Total	24-26

Business - Management

Business - Management Option AS Degree

The Business Management Degree provides an overview of the various disciplines in business such as management, marketing, accounting, and finance. The degree provides a strong foundation for entry into a variety of business fields. The coursework is essential for entry-level positions while enhancing the knowledge base of those who are seeking career progression.

Program student learning outcomes:

1. Students will identify and explain major functional areas of business organizations including management, marketing, finance, and accounting.
2. Students will identify the functions of management and apply them in business situations.
3. Students will apply commonly used computer application programs to create relevant business documents.
4. Students will effectively communicate both verbally and in writing in various business settings.
5. Students will apply business mathematics in order to analyze data and solve business problems.

Students must fulfill the following requirements to qualify for an Associate Degree:

- Complete the Local General Education, CSU General Education (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) requirements,
- Complete a minimum of 18 additional units from the major list below,
- Complete electives to reach a total of 60-degree applicable units,
- Earn a grade of C or better in each major course,
- Maintain a minimum cumulative G.P.A. of 2.00, and
- Complete the English and math proficiency requirements with a C or better

For Gainful Employment information please visit:

<https://westhillcollege.com/coalinga/degrees-and-certificates/gainful-employment/>

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses		
BUS 001A ..	Beginning Principles of Accounting	4
or BUS 055 ..	Bookkeeping	3
BUS 020	Introduction to Business	3
BUS 024	Business Mathematics	3
BUS 028	Business Communication	3
CIS 007	Computer Concepts	3
	Total Core Courses	15 - 16

Choose one of the following options:

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Management Option Requirements		
BUS 018	Business Law	4
BUS 032	Small Business Management	3
BUS 035	Human Resources Management	3
	Total Management Option	10

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Bookkeeping Option Requirements		
BUS 013A ..	Word for Windows I	1.5
BUS 013B ..	Word for Windows II	1.5
BUS 074	Computerized Accounting	3
CIS 034	Introduction to Spreadsheets (Ends 12/13/2024)	3
	Total Bookkeeping Option	9

<i>Course #</i>	<i>Title</i>	<i>Units</i>
	Total Major Units.....	24-26
	Total Units that may be double-counted towards GE Units.....	
	General Education (GE) Units.....	
	Elective Units (As needed to reach 60 units).....	
	Total Degree Units	60

Business - Retail Business Management

Business - Retail Business Management Certificate of Achievement

The Retail Business Management Certificate of Achievement provides an overview of the various disciplines in business such as management, marketing, accounting, and finance. The degree provides a training and education for those wishing to own or manage a retail business. The various elements involved in starting and operating a small business are covered.

Program student learning outcomes:

1. Students will identify and explain major functional areas of business organizations including management, marketing, finance, and accounting.
2. Students will apply commonly used computer application programs to create relevant business documents.
3. Students will effectively communicate both verbally and in writing in various business settings.
4. Students will research and compose a business plan that can be used for planning as well as financing.

For Gainful Employment information please visit:

<https://westhillscollge.com/coalinga/degrees-and-certificates/gainful-employment/>

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (22-23 Units)		
BUS 001A ..	Beginning Principles of Accounting	4
or BUS 055 .	Bookkeeping	3
BUS 018	Business Law	4
BUS 020	Introduction to Business	3
BUS 028	Business Communication	3
BUS 032	Small Business Management	3
BUS 035	Human Resources Management	3
CIS 007	Computer Concepts	3
	Total	22 - 23

Chemistry

UCTP Chemistry AS-T (AS-UCTP) Degree

The Associate in Science in Chemistry for UC Transfer (AS-UCT) Degree provides a lower-division science foundation for those interested in pursuing a chemistry major or related fields of study and is intended for students transferring into a baccalaureate degree program in Chemistry or a related field at the University of California system. The AS-UCT in Chemistry provides essential academic preparation for entry into careers in research, teaching, scientific consulting, medicine, chemical engineering, pharmacy, material science, forensic science, government agencies, and chemical and biotechnology industries. Students who complete the AS-UCT in Chemistry are guaranteed admission to the UC system but not to a particular campus or major.

Program student learning outcomes:

1. Students will recognize and apply the principles of atomic theory and molecular structure to predict chemical properties and chemical reactivity.
2. Students will apply analytical methodologies with quantitative and qualitative reasoning when approaching a problem in Chemistry.
3. Students will demonstrate competence in laboratory techniques, chemical experimental methods, and laboratory safety.
4. Students will collect, record, organize, and analyze experimental data and recognize the limitations of measurements.
5. Students will clearly communicate the results of scientific work in oral, written, and/or electronic formats to both scientists and the public at large.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete at least 70 semester units that are eligible for transfer to the University of California (UC).
- Obtain a minimum grade point average of 2.0 in transferrable courses (note that a higher GPA may be required at some institutions).
- Minimum grade of “C” or better for each course in the major, and
- Certified completion of the IGETC for STEM requirements.

A minimum 3.5 GPA in the major will guarantee admission into the University of California System in a Chemistry Program. Students should consult with a counselor or academic advisor to develop an educational plan and verify university admission and transfer requirements.

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (50 Units)		
CHEM 001A	General Chemistry I	5
CHEM 001B	General Chemistry II	5
CHEM 012A	Organic Chemistry for Science Majors I	3
CHEM 012B	Organic Chemistry for Science Majors II	3
CHEM 012AL	Organic Chemistry Lab for Science Majors I	2
CHEM 012BL	Organic Chemistry Lab for Science Majors II	2
MATH 001A	Introduction to Calculus	5
MATH 001B	Calculus With Applications	5
MATH 002A	Multivariate Calculus	4
MATH 002B	Differential Equations	4
PHYSICS 004A	Classical Mechanics	4
PHYSICS 004B	Electricity, Magnetism, and Waves	4
PHYSICS 004C	Thermodynamics, Optics, and Modern Physics	4
	Total Major Units.....	50
	GE IGETC units.....	20
	Transferable IGETC Elective Units.....	0
	Total Degree Units	70

Child Development - Administrative

Child Development - Administrative Local Certificate

The State of California, Commission for Teacher Preparation and Licensing, is responsible for issuing Child Development Permits to eligible students seeking employment in State funded early childhood educational programs or other selective children’s programs. The student with the intention of securing a Child Development Permit must follow mandated course requirements as outlined by the Child Development Permit Matrix handout. To secure a copy of the Child Development Permit Matrix contact a Child Development instructor or the coordinator of the Child Development Training Consortium. There is a monetary fee paid to the Commission for Teacher Preparation and Licensing when securing the Child Development permit and as required, all course work must be passed with a grade of C or better.

The Child Development Teacher level certificate prepares the student to earn state certification as a Master Teacher, Site Supervisor, or Program Director. The student may apply for as many certificates as they wish after fulfilling the requirements of each certificate. These certificates meet the academic requirements according to Title 22 and may help the student be employed in the field of early childhood education. There are no monetary fees for these certificates.

The course work in this certificate helps to partially qualify a student to become a director/supervisor/administrator of a State, Federal, nonprofit, or privately owned children’s program. Courses within this certificate meet State mandated requirements. CD 014A, 014B and 022 are mandated courses for the site supervisor and program director requirements for the Child Development Permit.

It is strongly recommended students not take these courses until they have some experience working with children and adults and have completed at least 12.0 units of child development courses, which include the State mandated classes.

Program student learning outcomes:

1. Students will implement knowledge of building successful relations within the childcare program.
2. Students will integrate knowledge of successful budgeting in child care programs.

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (12 Units)		
CD 014A . . .	Administration and Supervision of Children's Programs	3
CD 014B . . .	Administration and Supervision of Children's Programs Fieldwork	3
CD 022	Supervising Adults Working in Children's Programs	2
	Computer and/or Business Electives.	4
	Total	12

Electives: It is recommended that students choose computer and/or business classes that meet their educational needs.

Child Development - Assistant Teacher

Child Development - Assistant Teacher Local Certificate

The State of California, Commission for Teacher Preparation and Licensing, is responsible for issuing Child Development Permits to eligible students seeking employment in State funded early childhood educational programs or other selective children's programs. The student with the intention of securing a Child Development Permit must follow mandated course requirements as outlined by the Child Development Permit Matrix handout. To secure a copy of the Child Development Permit Matrix contact a Child Development instructor or the coordinator of the Child Development Training Consortium. There is a monetary fee paid to the Commission for Teacher Preparation and Licensing when securing the Child Development permit and as required, all course work must be passed with a grade of C or better.

The Child Development Teacher level certificate prepares the student to earn state certification as a Master Teacher, Site Supervisor, or Program Director. The student may apply for as many certificates as they wish after fulfilling the requirements of each certificate. These certificates meet the academic requirements according to Title 22 and may help the student be employed in the field of early childhood education. There are no monetary fees for these certificates.

The student will be eligible for this certificate by completing 6 units from the following child development courses and obtaining a "C" or better in the outcome of the courses. It is recommended the student start taking English 051A or English 001A before these courses or at the same time.

Program student learning outcomes:

1. Students will apply the importance of play while working with children.
2. Students will implement health and safety strategies while working with children.

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (6 Units)		
CD 002	Teaching in a Diverse Society	3
CD 003	Observation and Assessment	3
CD 004	Parenting	3
CD 005	Child Development	3
CD 010	Child, Family and Society	3
CD 012A	Principles & Practices of Early Childhood Education	3
CD 012B	Principles and Practices of Early Childhood Education Field Work	3
CD 015	Literature and Language Arts for Young Children	3
CD 016	Introduction to Curriculum	3
CD 017A	Sex Education for Parents and Teachers	1
CD 017B	Child Abuse Recognition and Prevention	1
CD 017C	Single Parenting	1
CD 018	Health, Safety and Nutrition	3
CD 021	Infant and Toddler Caregiving	3
CD 023	Domestic Violence Recognition and Prevention	1
	Total	6

Child Development - Associate Teacher

Child Development - Associate Teacher Local Certificate

The State of California, Commission for Teacher Preparation and Licensing, is responsible for issuing Child Development Permits to eligible students seeking employment in State funded early childhood educational programs or other selective children’s programs. The student with the intention of securing a Child Development Permit must follow mandated course requirements as outlined by the Child Development Permit Matrix handout. To secure a copy of the Child Development Permit Matrix contact a Child Development instructor or the coordinator of the Child Development Training Consortium. There is a monetary fee paid to the Commission for Teacher Preparation and Licensing when securing the Child Development permit and as required, all course work must be passed with a grade of C or better.

The Child Development Teacher level certificate prepares the student to earn state certification as a Master Teacher, Site Supervisor, or Program Director. The student may apply for as many certificates as they wish after fulfilling the requirements of each certificate. These certificates meet the academic requirements according to Title 22 and may help the student be employed in the field of early childhood education. There are no monetary fees for these certificates.

The student will be eligible for this certificate by completing 12 units of child development course work, including the State mandated core classes. All of the courses must be passed with a “C” or better.

Program student learning outcomes:

1. Students will implement an understanding of how the childcare classroom schedule operates.
2. Students will apply knowledge of how to create and implement lesson plans.

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (9 Units)		
* CD 005 ...	Child Development	3
* CD 010 ...	Child, Family and Society	3
* CD 012A ..	Principles & Practices of Early Childhood Education	3
Plus any 3 units from the courses listed below:		
CD 002	Teaching in a Diverse Society	3
CD 003	Observation and Assessment	3
CD 004	Parenting	3
CD 012B ...	Principles and Practices of Early Childhood Education Field Work	3
CD 015	Literature and Language Arts for Young Children	3
CD 016	Introduction to Curriculum	3
CD 017A ...	Sex Education for Parents and Teachers	1
CD 017B ...	Child Abuse Recognition and Prevention	1
CD 017C ...	Single Parenting	1
CD 018	Health, Safety and Nutrition	3
CD 021	Infant and Toddler Caregiving	3
CD 023	Domestic Violence Recognition and Prevention	1
	Total	12

** As marked, these are State mandated core courses which are required in order to teach in California and as mandated for the Child Development Permit.*

Child Development - School-Age

Child Development - School-Age Local Certificate

The State of California, Commission for Teacher Preparation and Licensing, is responsible for issuing Child Development Permits to eligible students seeking employment in State funded early childhood educational programs or other selective children's programs. The student with the intention of securing a Child Development Permit must follow mandated course requirements as outlined by the Child Development Permit Matrix handout. To secure a copy of the Child Development Permit Matrix contact a Child Development instructor or the coordinator of the Child Development Training Consortium. There is a monetary fee paid to the Commission for Teacher Preparation and Licensing when securing the Child Development permit and as required, all course work must be passed with a grade of C or better.

The Child Development Teacher level certificate prepares the student to earn state certification as a Master Teacher, Site Supervisor, or Program Director. The student may apply for as many certificates as they wish after fulfilling the requirements of each certificate. These certificates meet the academic requirements according to Title 22 and may help the student be employed in the field of early childhood education. There are no monetary fees for these certificates.

Program student learning outcomes:

1. Students will apply developmentally appropriate art and craft ideas.
2. Students will integrate a basic understanding of regular daily routines for school-age children.

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (12 Units)		
CD 018	Health, Safety and Nutrition	3
CD 024	School-Age Development	3
CD 025	School-Age Curriculum	3
CD 026A	Foundation of School-Age Child Care	1
CD 026B	Quality School-Age Care	1
CD 026C	School-Age Sports and Activities	1
	Total	12

Child Development - Teacher

Child Development - Teacher Certificate of Achievement

The State of California, Commission for Teacher Preparation and Licensing, is responsible for issuing Child Development Permits to eligible students seeking employment in State funded early childhood educational programs or other selective children's programs. The student with the intention of securing a Child Development Permit must follow mandated course requirements as outlined by the Child Development Permit Matrix handout. To secure a copy of the Child Development Permit Matrix contact a Child Development instructor or the coordinator of the Child Development Training Consortium. There is a monetary fee paid to the Commission for Teacher Preparation and Licensing when securing the Child Development permit and as required, all course work must be passed with a grade of C or better.

The Child Development Teacher level certificate prepares the student to earn state certification as a Master Teacher, Site Supervisor, or Program Director. The student may apply for as many certificates as they wish after fulfilling the requirements of each certificate. These certificates meet the academic requirements according to Title 22 and may help the student be employed in the field of early childhood education. There are no monetary fees for these certificates.

The student will be eligible for the Child Development Teacher certificate by completing 30 units of child development course work, including the core courses.

Program student learning outcomes:

1. Students will implement an understanding of how the childcare classroom schedule operates.
2. Students will apply knowledge of how to create and implement lesson plans.

For Gainful Employment information please visit:

<https://westhillscollge.com/coalinga/degrees-and-certificates/gainful-employment/>

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (24 Units)		
CD 002	Teaching in a Diverse Society	3
CD 003	Observation and Assessment	3
CD 005	Child Development	3
CD 010	Child, Family and Society	3
CD 012A	Principles & Practices of Early Childhood Education	3
CD 012B	Principles and Practices of Early Childhood Education Field Work	3
CD 016	Introduction to Curriculum	3
CD 018	Health, Safety and Nutrition	3
Plus 6 units from the courses listed below:		
CD 004	Parenting	3
CD 014A	Administration and Supervision of Children's Programs	3
CD 014B	Administration and Supervision of Children's Programs Fieldwork	3
CD 017A	Sex Education for Parents and Teachers	1
CD 017B	Child Abuse Recognition and Prevention	1
CD 017C	Single Parenting	1
CD 022	Supervising Adults Working in Children's Programs	2
	Total	30

Child and Adolescent Development

Child and Adolescent Development AA-T

The Associate in Arts in Child and Adolescent Development for transfer degree is designed to provide students a seamless transfer to the California state university system. The degree is designed to prepare students for baccalaureate degree in Child Development.

The West Hills College Child Development Program offers a comprehensive background in the field of child adolescent growth and development. Program emphasis includes information directed at working with culturally diverse families, working with children ages 10 – 18 years in an elementary school setting, and creating and teaching developmentally appropriate environments for adolescence. Students will be offered information and skills for future employment in primary and secondary school systems.

This program is intended for students planning to transfer to a California State University to pursue elementary teaching, social services, and counseling.

Program student learning outcomes:

1. Students will implement knowledge of the characteristics of children, birth through adolescence, and the multiple influences on their development as related to the high-quality care of children.
2. Students will apply the theories and concepts related to children, birth through adolescence, in the learning environment.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
- The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
- A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtain a minimum grade point average of 2.0
- Minimum grade of “C” (or “P”) for each course in the major, and

Completion of the IGETC and/or CSU GE-Breadth

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (10 Units)		
CD 005	Child Development	3
PSYCH 001	Introductory Psychology	3
MATH 025	Introduction to Statistics	4
Plus 9 units from the courses listed below:		
BIO 010	Fundamentals of Biology	3
or BIO 015	Biology for Education	3
CD 002	Teaching in a Diverse Society	3
CD 010	Child, Family and Society	3
CD 012A	Principles & Practices of Early Childhood Education	3
PSYCH 003	Developmental Psychology	3
SOC 001	Introduction to Sociology	3
SOC 003	Marriage and Family Relations	3
	Total Major Units.	19
	Units to be double-counted as General Education.	12-18
	CSU GE Breadth or IGETC Units.	37-39
	Transferable Elective Units.	14-20
	Total	60

Communication Studies

Communication Studies 2.0 AA-T Degree

The Associate of Art for Transfer in Communication Studies 2.0 is designed to provide students a seamless transfer to the California State University system. The degree is designed to prepare students for a baccalaureate degree in Communication Studies or similar major.

The AA-T in Communication Studies 2.0 offers broad-based preparation in effective oral and written communication, presentation, and debate as well as a foundation in group dynamics and interpersonal relationships. The degree is designed to provide entry-level skills and knowledge for those students who simply want to improve their marketability with potential employers. The degree prepares students in the main skills employers look for in potential employees: the ability to effectively communicate both orally and in writing and to effectively work in groups and/or teams.

Program student learning outcomes:

1. Students will speak in an understandable and organized fashion to explain their ideas, concepts and express their feelings.
2. Students will listen actively and respectfully to analyze the substance of others' comments and materials.
3. Students will utilize different forms of research materials.
4. Students will demonstrate effective argumentation by formulating written and/or oral arguments that are free of errors in reasoning.
5. Students will perform a variety of verbal and nonverbal skills to bring literature to life and heighten the effectiveness of the performer's message.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
 - The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
 - A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
 - Obtain a minimum grade point average of 2.0
 - Minimum grade of "C" (or "P") for each course in the major, and
 - Completion of the IGETC and/or CSU GE-Breadth

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (6 Units)		
COM 001 . . .	Elements of Speech	3
COM 005 . . .	Interpersonal Communication	3
Plus 9 units from the courses listed below:		
COM 002 . . .	Oral Interpretation of Literature	3
COM 003 . . .	Argumentation and Debate	3
COM 004 . . .	Small Group Dynamics and Presentation	3
COM 006 . . .	Intercultural Communication	3
Plus 3 units from the courses listed below:		
ENG 002 . . .	Introduction to Literature	3
ENG 003 . . .	Critical Thinking and Writing	3
PSYCH 001 . .	Introductory Psychology	3
SOC 001	Introduction to Sociology	3
	Total Major Units.	18
	Units to be double-counted as General Education.	6-12
	CSU GE Breadth or IGETC units.	39-37
	Transferable Elective Units.	15-11
	Total	60

Computer Information Systems (CIS) - Microcomputer Applications Specialist

Computer Information Systems (CIS) - Microcomputer Applications Specialist Certificate of Achievement

The Computer Information Systems Program teaches concepts, procedures and terminology, as well as the skills and applications necessary to operate computers.

Program student learning outcomes:

1. Students will filter records in an access table.
2. Students will change a Theme or Quick Style and apply it in a document.
3. Students will compose business correspondence using correct format responding to a case study.

For Gainful Employment information please visit:

<https://westhillscollge.com/coalinga/degrees-and-certificates/gainful-employment/>

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (18 Units)		
BUS 013A ..	Word for Windows I	1.5
BUS 013B ..	Word for Windows II	1.5
BUS 020	Introduction to Business	3
BUS 024	Business Mathematics	3
CIS 007	Computer Concepts	3
CIS 019B ...	Database Creation & Management	3
CIS 034	Introduction to Spreadsheets (Ends 12/13/2024)	3
	Total	18

Computer Information Systems (CIS) - Microcomputer Applications Specialist

Computer Information Systems (CIS) - Microcomputer Applications Specialist AS Degree

The Computer Information Systems Program teaches concepts, procedures and terminology, as well as the skills and applications necessary to operate computers.

Program student learning outcomes:

1. Students will filter records in an access table.
2. Students will change a Theme or Quick Style and apply it in a document.
3. Students will compose business correspondence using correct format responding to a case study.

Students must fulfill the following requirements to qualify for an Associate Degree:

- Complete the Local General Education, CSU General Education (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) requirements,
- Complete a minimum of 18 additional units from the major list below,
- Complete electives to reach a total of 60-degree applicable units,
- Earn a grade of C or better in each major course,
- Maintain a minimum cumulative G.P.A. of 2.00, and
- Complete the English and math proficiency requirements with a C or better

For Gainful Employment information please visit:

<https://westhillcollege.com/coalinga/degrees-and-certificates/gainful-employment/>

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (18 Units)		
BUS 013A ..	Word for Windows I	1.5
BUS 013B ..	Word for Windows II	1.5
BUS 020	Introduction to Business	3
BUS 024	Business Mathematics	3
CIS 007	Computer Concepts	3
CIS 019B ...	Database Creation & Management	3
CIS 034	Introduction to Spreadsheets (Ends 12/13/2024)	3
	Total Major Units.....	18
	Total Units that may be double-counted towards GE Units.....	
	General Education (GE) Units.....	
	Elective Units (As needed to reach 60 units).....	
	Total Degree Units	60

Early Childhood Education

Early Childhood Education AS-T

The Associate in Science in Child development for Transfer Degree is designed to provide students a seamless transfer to the California State University system. The degree is designed to prepare students for a baccalaureate degree in Early Childhood Education or similar major.

The West Hills College Child Development Program offers a comprehensive background in the field of child growth and development. Program emphasis includes information directed at working with culturally diverse families, addressing the needs of children at risk through early intervention, and creating and teaching developmentally appropriate curriculum to young children.

Students will be offered information and skills for potential employment in Federal, State, non-profit, or privately owned early childhood education/child care programs. Courses in this program may assist the student to qualify for Child Development Certificates issued by West Hills College and/or a Child Development Permit obtained from the State of California, Commission for Teacher Preparation and Licensing.

Program student learning outcomes:

1. Students will integrate child development concepts into their personal teaching philosophy while working with young children.
2. Students will apply a basic understanding of teaching developmentally appropriate concepts while working with children.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
- The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
- A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtain a minimum grade point average of 2.0
- Minimum grade of “C” (or “P”) for each course in the major, and
- Completion of the IGETC and/or CSU GE-Breadth

This program has 50 percent or more of the major courses available via distance education/online

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (24 Units)		
CD 002	Teaching in a Diverse Society	3
CD 003	Observation and Assessment	3
CD 005	Child Development	3
CD 010	Child, Family and Society	3
CD 012A	Principles & Practices of Early Childhood Education	3
CD 012B	Principles and Practices of Early Childhood Education Field Work	3
CD 016	Introduction to Curriculum	3
CD 018	Health, Safety and Nutrition	3
	Total Major Units.	24
	Units to be double-counted as General Education.	3
	CSU GE Breadth or IGETC units.	39
	Transferable Elective Units.	3
	Total	60

Elementary Teacher Education

Elementary Teacher Education AA-T Degree

The Associate of Arts for Transfer in Elementary Teacher Education is designed to provide students a seamless transfer to the California State University system. The degree is designed for students who are planning to become elementary teachers, with a goal of seamlessly transferring to a CSU and completing a Liberal Arts or Liberal Studies degree, and continuing on to earn a multiple-subject teaching credential. The degree provides the foundation for teacher development and training

Program student learning outcomes:

1. Students will compose a formal, argumentative MLA-style research paper that shows an understanding of the writing process, technical correctness, and higher-level critical thinking skills.
2. Students will identify a career path and educational goals for a career in education taking into consideration the level(s) they want to teach and the institution(s) where they want to complete their degree(s) and credential(s).
3. Students will provide a college-level in class written analysis of authors' content and style given an assigned reading.
4. Students will develop and teach a standards-based lesson in an authentic educational setting that will include intention/rationale, process assessment, and reflection.
5. Students will demonstrate basic public speaking delivery techniques.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
- The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
- A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtain a minimum grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of the IGETC and/or CSU GE-Breadth

This program has 50 percent or more of the major courses available via distance education/online

Program Requirements

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (35 units)		
CD 005	Child Development	3
COM 001	Elements of Speech	3
EDUC 001	Introduction to Teaching	3
ENG 002	Introduction to Literature	3
ESCI 002	Introduction to Earth Science	4
GEOG 002	World Regional Geography	3
HIST 017A	History of the United States 1492-1877	3
HIST 020	World History I	3
MATH 010A	Structure & Concepts in Mathematics I	3
PHYSICI 002	Chemistry and Physics for Educators	4
POLSCI 001	American Government	3
Plus 3 units from the courses below:		
BIO 010	Fundamentals of Biology	3
BIO 015	Biology for Education	3
Plus 3 units from the courses below:		
EDUC 005	Critical Thinking in the Classroom	3
ENG 003	Critical Thinking and Writing	3
Plus 3 units from the courses below:		
ART 042	Art Appreciation	3
MUS 042	Music Appreciation	3
Plus 3 units from the courses below:		
LING 011	Introduction to Linguistics	3
MATH 010B	Structure & Concepts in Mathematics II	3
PHIL 002	Introduction to Logic	3
Plus 3-5 units from the courses below:		
ENG 001A	Composition and Reading	3
ESL 001	Composition for College	5
	Total Major Units.	50-52
	Units to be double-counted as General Education.	36-31
	CSU GE Breadth or IGETC Units.	39-37
	Elective (CSU Transferable) Units.	5-7, 2
	Total	60

English

English AA-T Degree

The Associate of Arts in English for Transfer Degree is designed to provide students a seamless transfer to the California State University system. The degree is designed to prepare students for a baccalaureate degree in English or a similar major. Students will gain a broad knowledge in the field including research writing, critical thinking, analytical reading, literature interpretation, and creative writing.

The program includes coursework designed and sequenced to build a foundation of skills and knowledge that support university-level academics. A baccalaureate degree will prepare students to work in a variety of occupations including post-secondary education, journalism, freelance writer, author, editor, and public relations.

Program student learning outcomes:

1. Students will write a successful MLA-style research paper.
2. Students will analyze readings.
3. Students will apply effective rhetorical strategies.
4. Students will write in clear, conventional college English.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
- The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
- A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtain a minimum grade point average of 2.0
- Minimum grade of “C” (or “P”) for each course in the major, and
- Completion of the IGETC and/or CSU GE-Breadth

This program has 50 percent or more of the major courses available via distance education/online

Program Requirements

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (6 units)		
ENG 002 . . .	Introduction to Literature	3
ENG 003 . . .	Critical Thinking and Writing	3
Plus 6 Units from the courses below:		
ENG 006 . . .	Early American Literature	3
ENG 007 . . .	Early British Literature	3
ENG 008 . . .	Modern British Literature	3
Plus 3 Units from the courses below that have not been completed from courses listed above:		
ENG 007 . . .	Early British Literature	3
ENG 008 . . .	Modern British Literature	3
ENG 025 . . .	Creative Writing	3
Plus 3 units from the courses below:		
CD 015	Literature and Language Arts for Young Children	3
COM 002 . . .	Oral Interpretation of Literature	3
ENG 001A . . .	Composition and Reading	3
HUM 001 . . .	Introduction to Western Culture	3
LING 011 . . .	Introduction to Linguistics	3
	Total Major Units.	18
	Units to be double-counted as General Education.	
	CSU GE Breadth or IGETC Units.	37-39
	Elective (CSU Transferable) Units.	
	Total	60

English as a Second Language

English as a Second Language Certificate of Competency

The ESL Certificate of Competency is designed to prepare students to communicate, write, and read in the English language. Students will have an opportunity to show their employers and future employers that they have an understanding and knowledge of the English language.

Program student learning outcomes:

1. Students will demonstrate correct spelling and grammar in English.
2. Students will demonstrate proper reading and cognitive development in English.
3. Students will demonstrate knowledge in communication styles and discussions.

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses		
NC 120	Beginning Reading, Writing, & Speaking Skills	N/A
NC 125	Intermediate Reading, Writing & Speaking	N/A
NC 130	Advanced Reading, Writing & Speaking	N/A
NC 135	Advanced Communication Skills for Life And Career	N/A
	Total Hours	216

Entry Level Diesel Mechanic

Entry Level Diesel Mechanic - Certificate of Achievement

The Certificate of Achievement in Entry Level Diesel Mechanic is designed to prepare students for a career as an entry-level mechanic. Using modern equipment, the certificate offers instruction and training in equipment operation, diesel engine repair, and hydraulics. Career opportunities for students exist in the agricultural, industrial, construction, material handling, and mining industries.

Program student learning outcomes:

1. Students will maintain a safe working environment.
2. Students will identify all parts of a diesel engine.
3. Students will identify all parts of a hydraulic system.

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (9 Units)		
DT 094	Introduction to Diesel Engine Repair	3
DT 096	Hydraulics	3
IMT 060	Industrial Core	3
	Total	9

Entry Level Truck Driving

Entry Level Truck Driving- Certificate of Achievement

The Certificate of Achievement in Entry Level Truck Driving program is designed to prepare students with the knowledge and experience necessary to earn a Class A CDL (Commercial Drivers License). Students log time behind the wheel on the driving range and on public roads and highways prior to graduation. Career opportunities for students exist in the agricultural, industrial, construction, and supply chain.

Program student learning outcomes:

1. Students will perform all equipment safety checks.
2. Students will identify all parts and safety components of a commercial combination vehicle.
3. Students will operate a commercial combination vehicle on range and public roads.

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (9.5 Units)		
DT 050	State Laws and Federal Regulations	3
DT 052	Safe Operation Fundamentals	3
DT 058	Operations of Commercial Vehicles I	3
DT 079	Commercial Driver Testing	0.5
	Total	9.5

Equipment Technician

Equipment Technician- Certificate of Achievement

The Certificate of Achievement in Equipment Technician is designed to prepare students for a career as an entry-level equipment technician. Using modern equipment, the certificate offers instruction and training in equipment operation, diesel engine repair, hydraulics and equipment systems including electrical and drive systems. Career opportunities for students exist in the agricultural, industrial, construction, material handling, and mining industries.

Program student learning outcomes:

1. Students will maintain a safe working environment and properly use personal protective equipment (PPE).
2. Students will identify all parts and components of a diesel engine.
3. Students will troubleshoot a modern diesel engine.
4. Students will clearly communicate repairs to the customer in written form.
5. Students will identify all parts and components in a hydraulic system.
6. Students will identify different types of hydraulic systems.

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (18 Units)		
AG 014	Tractor Operations	3
DT 094	Introduction to Diesel Engine Repair	3
DT 095	Advanced Diesel Engine Repair	3
DT 096	Hydraulics	3
DT 097	Equipment Systems	3
IMT 060	Industrial Core	3
	Total	18

Food Science and Safety

Food Science and Safety Certificate of Achievement

The Food Science and Safety Program will prepare students for careers in food quality control, sanitation, safety, processing, and product development. Upon completion of this program, employment opportunities include positions with food processing operations, local, state and federal food inspection services, food sanitation and public health services, and food research and development ventures. The HACCP curriculum in this program is accredited by the HACCP Alliance. Students completing the program coursework will receive a certificate with the International HACCP Alliance seal and also earn the Association of Food & Drug Officials (AFDO) Preventative Control Qualified Individual for Human Food (PCQI) Certificate.

Program student learning outcomes:

1. Students will identify sanitation and basic food safety concepts.
2. Students will identify verification and validation of Preventative Controls, Produce Safety Rule, Good Manufacturing Processes (GMPs), and Good Agricultural Practices.
3. Students will identify and apply FDA and USDA rules and regulations.
4. Students will identify the basics of Hazard Analysis Critical Control Points (HACCPs) and develop a HACCP plan.
5. Students will create a management plan for a given scenario.

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

Program Requirements

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (14 units)		
FSS 005	Food Safety Management With Application To Production Systems	3
FSS 020	Agriculture Laws and Regulations	2
FSS 025	Principles of Hazard Analysis and Critical Control	3
FSS 030	Audits, Preventive Controls and Produce Safety	3
FSS 040	Facility Food Safety Management	3
Plus 3 units from the courses below:		
FSS 010	Food Chemistry	3
FSS 015	Microbiology of Foods	4
FSS 035	Principles of Food Science	3
	Total	17-18

Geography

Geography AA-T

The Associate in Arts in Geography for Transfer Degree is designed to provide students a seamless transfer to the California State University system. The degree is designed to prepare students for a baccalaureate degree in Geography or similar major.

A degree in geography trains individuals to view the full scope of Earth’s natural and cultural systems from a spatial perspective; therefore, geographers have an important role to play in understanding and interpreting the many complex patterns and processes that characterize places/regions and determine the interactions that occur between and within places/regions. Geographers are employed as research scientists and teachers by educational institutions; international, federal, state, regional and local government agencies; local and regional planning firms; and environmental consulting firms. Geographers are generally analytical, inquisitive and creative. Geographers are trained to draw upon a variety of information sources/disciplines and to view the world from a holistic perspective. Because of their “bird’s eye view of the world,” geographers are often found to be well suited to project coordination and/or management.

Program student learning outcomes:

1. Use maps and other geographic representations, tools, and technologies to acquire, process, and report information from a spatial perspective.
2. Have an understanding of how physical processes shape the Earth’s surface and determine the character and spatial distribution of global climates and ecosystems.
3. Have an understanding of the characteristics, distribution, and migration of human populations on Earth’s surface.
4. Have an understanding of the characteristics, distribution, and complexity of Earth’s cultural mosaic.
5. Have an understanding of the patterns and networks of physical and cultural interdependence on Earth’s surface.
6. Have an understanding of how physical systems affect human systems and of how human actions affect physical systems.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
- The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
- A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtain a minimum grade point average of 2.0
- Minimum grade of “C” (or “P”) for each course in the major, and
- Completion of the IGETC and/or CSU GE-Breadth

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (13 Units)		
GEOG 001 ..	Physical Geography	4
GEOG 002 ..	World Regional Geography	3
GEOG 003 ..	Cultural Geography	3
GEOG 018 ..	Geography of California	3
Plus 6 units the courses listed below:		
CIS 007	Computer Concepts	3
GEOG 016 ..	Regional Field Studies	1
GEOL 001 ..	Physical Geology	4
	Total Major Units.....	19 - 21
	Units to be double-counted as General Education.....	10
	CSU GE Breadth or IGETC Units.....	37 - 39
	Transferable Elective Units.....	10 - 11
	Total	60

Geology

Geology AS-T Degree

The Associate in Science in Geology for Transfer Degree is designed to provide students a seamless transfer to the California State University system. The degree is designed to prepare students for a baccalaureate degree in Geology or similar major.

A degree in geology provides individuals with training in the physical aspects and history of the earth. These individuals are then able to locate resources (e.g., fossil fuels and minerals) and manage and mitigate human impacts on ecosystems. They are employed as research scientists, teachers and geologists by educational institutions, construction companies, government agencies, mining and petroleum industries, surveying and engineering companies, and environmental consulting firms. Geologists are generally analytical, inquisitive and creative. They are required to work well individually or as team members and to communicate effectively.

Program student learning outcomes:

1. Students will understand the Earth as a system with separate but interacting parts.
2. Students will understand the relationship between people and the natural environment and how the application of mathematics and the discipline of geology can be used to solve problems that arise from these interactions.
3. Students will understand how scientific hypotheses and mathematical models are formulated and tested in general and specifically understand the evolution and development of major geological science theories.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
- The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
- A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtain a minimum grade point average of 2.0
- Minimum grade of “C” (or “P”) for each course in the major, and
- Completion of the IGETC and/or CSU GE-Breadth

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (28 Units)		
GEOL 001 ..	Physical Geology	4
GEOL 003 ..	Historical Geology	4
CHEM 001A	General Chemistry I	5
CHEM 001B	General Chemistry II	5
MATH 001A	Introduction to Calculus	5
MATH 001B	Calculus With Applications	5
	Total Major Units.....	28
	Units to be double-counted as General Education.....	7
	CSU GE Breadth or IGETC Units.....	39
	Transferable Elective Units.....	0
	Total	60

Health Science (General)

Health Science: General - AS Degree

The Health Science General Program is designed for those students planning to transfer to two-year institutions to attain specific and additional training in a particular field of study such as dental hygiene, health care assistant, nursing, and radiology technician. Requirements for admission to each of these programs vary among institutions.

Program student learning outcomes:

1. Students will clearly articulate the symbiotic relationship of nutrient metabolism and tissue health based upon an integrative approach.
2. Students will systematically collect, organize, and present appropriate data in graphs, tables, or figures, and assess the validity of the data and interpret it correctly.
3. Students will evaluate various microbes with regards to infections, treatment, and control.
4. Students will interpret and analyze data sets involving concepts of concentration, caloric energy, and unit-conversions.
5. Students will articulate the interconnection between nutrition and homeostasis across the life span.

Students must fulfill the following requirements to qualify for an Associate Degree:

- Complete the Local General Education, CSU General Education (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) requirements,
- Complete a minimum of 18 additional units from the major list below,
- Complete electives to reach a total of 60-degree applicable units,
- Earn a grade of C or better in each major course,
- Maintain a minimum cumulative G.P.A. of 2.00, and
- Complete the English and math proficiency requirements with a C or better

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (19-20 Units)		
BIO 032	Human Anatomy	4
BIO 035	Human Physiology	4
BIO 038	Microbiology	4
CHEM 001A	General Chemistry I	5
or CHEM 002A	Introductory Chemistry	4
NUT 001	Basic Nutrition	3
	Total Major Units	19-20
	Total Units that may be double-counted towards GE Units.	
	General Education (GE) Units.	
	Elective Units (As needed to reach 60 units).	
	Total Degree Units	60

Recommended Electives: PSYCH 001, SOC 001

Heating Ventilation and Air Conditioning

Heating Ventilation and Air Conditioning - Certificate of Achievement

The Heating, Ventilation, and Air Conditioning program is a Certificate of Achievement program designed to prepare students for a career in Heating, Ventilation, and Air Conditioning. Program performance standards for certification will be in accordance with those set forth by the National Center for Construction and Research (NCCER). Career opportunities for graduates include employment with commercial heating and air conditioning contractors, residential mechanical contractors, parts and equipment distributors, large commercial and industrial facility maintenance departments, hospitals, custom design and new construction markets

Program student learning outcomes:

1. Students will perform all safety checks on an HVAC system before any work begins.
2. Students will properly use various types of testing equipment.
3. Students will properly adjust system components.
4. Students will interpret technical drawings.
5. Students will identify all components of an HVAC system.

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (18 Units)		
IMT 060	Industrial Core	3
HVAC 060 ..	Fundamentals of HVAC	3
HVAC 061 ..	Introduction to Heating and Refrigeration Cycles	4
HVAC 062 ..	HVAC Installation and Troubleshooting	4
HVAC 063 ..	Advanced HVAC Systems	4
	Total	18

Heavy Equipment Operation

Heavy Equipment Operation - Certificate of Achievement

Coalinga College Heavy Equipment Operation Certificate Program is a one semester Certificate of Achievement program. Intrinsic learning is accomplished through a hands on approach to introduce students to a wide range of skills necessary for equipment operation. Laboratory work is designed to simulate field experiences. Heavy equipment operation requires good hand-eye coordination and demands attention to details like timelines, precision operation, coordination of multiple tasks, and following plan directions. Development of problem solving skills and safe work habits will be instilled in the student.

Program student learning outcomes:

1. Students will perform work in accordance with OSHA (Occupational Safety and Health Act) regulations.
2. Students will perform OSHA required equipment safety checks.
3. Students will identify parts and safety components of various types of heavy equipment.
4. Students will safely operate various types of heavy equipment.
5. Students will verify a construction site is finished grade.

For Gainful Employment information please visit:

<https://westhillscollge.com/coalinga/degrees-and-certificates/gainful-employment/>

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (18 Units)		
IMT 060	Industrial Core	3
HVYEQUI 060A	Level I Heavy Equipment Operation	5
HVYEQUI 060B	Level II Heavy Equipment Operations	5
HVYEQUI 060C	Level III Heavy Equipment Operations	5
	Total	18

History

History AA-T Degree

The Associate of Arts for Transfer (AA-T) Degree in History is designed to provide students a seamless transfer to a California State University History major and the eventual completion of a baccalaureate degree in History. The AA-T in History will grant guaranteed admission to a CSU, with junior standing, and the ability to complete remaining requirements within 60 semester or 90 quarter units.

Historians analyze the events and processes of the past, both to gain more understanding of the human experience across place and time, and to explain the distinctive dynamics of particular societies, usually in regional and chronological contexts. Historical inquiry is an important part of any liberal arts program and of the development of critical thinking skills. Most careers in history require education beyond the associate degree and some require a graduate degree. The study of history can serve as preparation for graduate study in education, law, business, government, and journalism.

Program student learning outcomes:

1. Students will identify and explain assimilations of cultural significance into historical civilizations.
2. Students will identify and explain how cultures influenced world societies.
3. Students will demonstrate thinking skills by analyzing, synthesizing, and evaluating historical information from multiple sources by creating a short answer essay.
4. Students will produce well researched written work that engages primary sources on historical events.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
 - The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
 - A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
 - Obtain a minimum grade point average of 2.0
 - Minimum grade of “C” (or “P”) for each course in the major, and
 - Completion of the IGETC and/or CSU GE-Breadth
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Program Requirements

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (12 units)		
HIST 017A..	History of the United States 1492-1877	3
HIST 017B..	History of the United States 1865-PRESENT	3
HIST 020...	World History I	3
HIST 021...	World History II	3
Plus 3 Units from the courses below:		
HIST 004A..	Western Civilization to 1700	3
HIST 004B..	Western Civilization From 1700	3
HIST 032...	Cultural History of the Chicano	3
HIST 044...	Women's Roles in United States History	3
Plus 3 Units from the courses below:		
GEOG 002..	World Regional Geography	3
GEOG 003..	Cultural Geography	3
HUM 001...	Introduction to Western Culture	3
HUM 022...	Introduction to Comparative Religion	3
POLSCI 001.	American Government	3
PSYCH 001.	Introductory Psychology	3
SOC 001....	Introduction to Sociology	3
SW 020.....	Introduction to Social Work and Human Services	3
	Total Major Units.....	18
	Units to be double-counted as General Education.....	12-15
	CSU GE Breadth or IGETC Units.....	37- 39
	Elective (CSU Transferable) Units.....	15-18
	Total	60

Integrated Pest Management

Integrated Pest Management Certificate of Achievement

The Integrated Pest Management program prepares students for an agriculture production career; learning the skills needed for the production and care of agricultural crops through hands-on, real-world experience. Completion of the certificate qualifies students to enter the professional job market or the units may be applied as university transfer or to fulfill the education requirement for the California Department of Pesticide Regulation's (CDPR) Agricultural Pest Control Adviser (PCA) license. This certificate program is for students interested in careers as Pest Control Advisers, Certified Crop Consultants, Qualified Applicator's or Agri-chemical sales representatives.

Program student learning outcomes:

1. Students will identify common weeds found in Central California and statewide.
2. Students will explain the methods of safely applying various herbicides.
3. Students will identify insects and closely related plant and animal pests and pest damage.
4. Students will explain the economic aspects of beneficial and harmful insects.
5. Students will select possible methods and timing of control in a given circumstance.
6. Students will understand the difference between California laws and DPR regulations.
7. Students will diagram and describe the parts of a pesticide label.
8. Students will understand the requirements to use a pesticide with a restricted label.
9. Students will identify and describe the various DPR pest control certifications and licenses.
10. Students will employ the principles and concepts of IPM in field crop environments.
11. Students will explain the mode of action of pesticides, pesticide absorption by the human body, and the importance of poisoning measurements.
12. Students will safely and properly mix, calibrate, apply, and dispose of different pesticide formulations utilizing different techniques and equipment.

For Gainful Employment information please visit:

<https://westhillscollge.com/coalinga/degrees-and-certificates/gainful-employment/>

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (11 Units)		
CRPSCI 032 .	Weeds and Poisonous Plants	3
CRPSCI 044 .	Economic Entomology	3
CRPSCI 045 .	California Pest Control Laws and Regulations	2
CRPSCI 046 .	Integrated Pest Management	3
Plus 3 units from the courses listed below:		
CRPSCI 001 .	Introduction to Plant Science	3
CRPSCI 002 .	Plant Science Theory	3
Plus 4 units from the courses listed below::		
AGBUS 015 .	Computer Application to Agriculture	3
AET 021	Ag-Irrigation Management	3
CRPSCI 006 .	Introduction to Precision Agriculture	3
CRPSCI 019 .	California Water	3
CRPSCI 036 .	Fertilizers and Soil Amendments	3
SLSCI 021 . .	Introduction to Soil Science	4
	Total	18-20

Kinesiology

Kinesiology AA-T Degree

The Kinesiology Associate of Arts for Transfer provides students with seamless transfer into the California State University (CSU) system to pursue a baccalaureate degree in Kinesiology, Exercise Science, or Physical Education. This degree prepares students to understand kinesiology, human bodily movement, exercise, and the relationships between physical activity and health. Courses prepare students to pursue studies in exercise science, kinesiology/ physical education credential programs, athletic training/sports medicine, coaching/sports instruction, sports administration, and other health-related areas.

Program student learning outcomes:

1. The students will demonstrate knowledge of major muscle groups and joint movements as they pertain to common human performance.
2. The students will demonstrate the proper technique for performing exercises to improve general fitness and wellness.
3. The students will explain the connection between proper nutrition and improved athletic performance.
4. The students will explain how healthy mental functioning impacts athletic performance.
5. The students will select and implement field tests necessary for fitness assessments.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
 - The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
 - A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
 - Obtain a minimum grade point average of 2.0
 - Minimum grade of “C” (or “P”) for each course in the major, and
 - Completion of the IGETC and/or CSU GE-Breadth
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<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (11 Units)		
BIO 032	Human Anatomy	4
BIO 035	Human Physiology	4
KINES 001	Introduction to Kinesiology	3
Plus 6-9 Units from courses below:		
CHEM 001A	General Chemistry I	5
HE 035	Personal Health and Hygiene	3
KINES 048	First Aid and Safety	3
MATH 025	Introduction to Statistics	4
PHYSICS 002A	Mechanics and Thermodynamics	4
or PHYSICS 004A	Classical Mechanics	4
PSYCH 001	Introductory Psychology	3
or SOC 001	Introduction to Sociology	3
Plus 1 unit from the courses below:		
PE 006	Body Conditioning	1
PE 016	Jogging and Power Walking	1
PE 021A	Introductory Fitness Lab	1
PE 021B	Beginning Fitness Lab	1
PE 021C	Intermediate Fitness Lab	1
PE 023	Weight Training	1
PE 024	Circuit Training	0.5 - 1
Plus 1 unit from the courses below:		
PE 003	Badminton	1
PE 011	Golf	1
PE 020	Tennis	1
Plus 1 unit from the courses below:		
PE 022A	Beginning Volleyball	1
PE 022B	Intermediate Volleyball	1
PE 025A	Introductory Soccer	1
PE 032A	Beginning Basketball	1
Total Major Units		20-23
Units to be double-counted as General Education		6-9; 3-10
CSU GE Breadth or IGETC Units		39-37
Transferable Elective Units		4-10; 3-13
Total Degree Units		60

Kinesiology

Kinesiology AA Degree

The term kinesiology means the study of movement and the associate of arts degree program emphasizes major preparation courses for students seeking transfer to a four-year university. Students entering the field of kinesiology can look forward to career prospects in the areas of fitness, health and wellness, athletic training, exercise science, education/coaching, and sports administration.

Students who have selected the particular four-year college to which they wish to transfer should use the catalog of that institution as the principle guide for determining additional coursework.

Program student learning outcomes:

1. Students will identify the structure and function of the human body as it relates to physical activity.
2. Students will identify the theoretical framework used in sports and exercise.
3. Students will identify safety measures in various physical activities.
4. Students will identify, describe, or demonstrate a specific sports skill.
5. Students will demonstrate proper exercise skills.
6. Students will identify or describe the rules of a specific sport.

Students must fulfill the following requirements to qualify for an Associate Degree:

- Complete the Local General Education, CSU General Education (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) requirements,
- Complete a minimum of 18 additional units from the major list below,
- Complete electives to reach a total of 60-degree applicable units,
- Earn a grade of C or better in each major course,
- Maintain a minimum cumulative G.P.A. of 2.00, and
- Complete the English and math proficiency requirements with a C or better

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (20 Units)		
BIO 032	Human Anatomy	4
BIO 035	Human Physiology	4
KINES 001 ..	Introduction to Kinesiology	3
KINES 046 ..	Care and Prevention of Athletic Injuries	3
NUT 001 . . .	Basic Nutrition	3
PSYCH 029 .	Introduction to Sport & Exercise Psychology	3
Plus 1 Units from courses below:		
PE 006	Body Conditioning	1
PE 011	Golf	1
PE 020	Tennis	1
PE 021A	Introductory Fitness Lab	1
PE 021B	Beginning Fitness Lab	1
PE 021C	Intermediate Fitness Lab	1
PE 021D	Advanced Fitness Lab	1
PE 023	Weight Training	1
PE 024	Circuit Training	0.5 - 1
PE 025A	Introductory Soccer	1
	Total Major Units.	21
	Total Units that may be double-counted towards GE Units.	
	General Education (GE) Units.	
	Elective Units (As needed to reach 60 units).	
	Total Degree Units	60

Liberal Arts - Area of Emphasis for Arts and Humanities

Liberal Arts - Area of Emphasis for Arts and Humanities AA Degree

The Arts and Humanities area of emphasis is designed to provide the student with an opportunity to understand emotional and intellectual responses, increase awareness and appreciation of the traditional humanistic disciplines such as art, drama, literature, music, philosophy, and foreign language in addition to introducing and understanding of the interrelationships between these disciplines. This area of emphasis prepares students for baccalaureate majors including but not limited to: art, foreign language, history, philosophy and performing arts.

Program student learning outcomes:

1. Students will be able to evaluate the soundness of an argument.
2. Students will be able to compare and contrast two or more philosophical or religious views.
3. Students will be able to articulate several broad historical, religious, artistic, literary and philosophical movements within Eastern and Western culture.

Students must fulfill the following requirements to qualify for an Associate Degree:

- Complete the Local General Education, CSU General Education (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) requirements,
 - Complete a minimum of 18 additional units from the major list below,
 - Complete electives to reach a total of 60-degree applicable units,
 - Earn a grade of C or better in each major course,
 - Maintain a minimum cumulative G.P.A. of 2.00, and
 - Complete the English and math proficiency requirements with a C or better
-

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (18 Units). Courses must be selected from two or more disciplines.		
ART 002	Two-Dimensional Design	3
ART 003	Three-Dimensional Design Fundamentals	3
ART 005A . . .	Basic Drawing	3
ART 005B . . .	Intermediate Drawing	3
ART 013A . . .	Beginning Ceramics	3
ART 013B . . .	Intermediate Ceramics	3
ART 013C . . .	Advanced Ceramics	3
ART 015A . . .	Beginning Painting	3
ART 015B . . .	Intermediate Painting	3
ART 015C . . .	Advanced Painting	3
ART 016A . . .	Survey of Western Art: Pre-History to Proto-Renaissance	3
ART 016B . . .	Survey of Western Art: Renaissance to The Present	3
ART 042	Art Appreciation	3
COM 002	Oral Interpretation of Literature	3
SPAN 001	Elementary Spanish I	4
SPAN 002	Elementary Spanish II	4
SPAN 003	Intermediate Spanish I	4
SPAN 004	Intermediate Spanish II	4
FLSPN 011 . . .	Introductory Spanish for the Limitedly Bilingual	4
FLSPN 012 . . .	Elementary Spanish for the Limitedly Bilingual	4
FLSPN 051 . . .	Introductory Conversational Spanish for Personal and Professional Use	3
FLSPN 052 . . .	Elementary Conversational Spanish For Personal and Professional Use	3
FLSPN 054 . . .	Advanced Conversational Spanish Personal And Professional Use	3
GEOG 003	Cultural Geography	3
HIST 004A . . .	Western Civilization to 1700	3
HIST 004B . . .	Western Civilization From 1700	3
HIST 020	World History I	3
HUM 001	Introduction to Western Culture	3
HUM 022	Introduction to Comparative Religion	3
LING 011	Introduction to Linguistics	3
MUS 042	Music Appreciation	3
PA 003	Film Appreciation	3
PHIL 001	Introduction to Philosophy	3
PHIL 002	Introduction to Logic	3
PHIL 003	Introduction to Ethics	3
POLSCI 005 . . .	Introduction to Political Theory	3
	Total Major Units.	18
	Total Units that may be double-counted towards GE Units.	
	General Education (GE) Units.	
	Elective Units (As needed to reach 60 units).	
	Total Degree Units	60

Liberal Arts - Area of Emphasis for Math and Science

Liberal Arts - Area of Emphasis for Math and Science AA Degree

The Math and Science area of emphasis is designed to provide the student with foundational knowledge and skills in the following areas: the natural sciences, the physical universe, its life forms and natural phenomena. Students will be provided the opportunity to develop mathematical and quantitative reasoning skills and demonstrate understanding of the methodologies of science as investigative tools and to understand the influence scientific knowledge has on society. This area of emphasis prepares students for baccalaureate majors including but not limited to: agriculture, computer science, engineering, enology, geology, geography, genetics, health science, kinesiology, and pre-nursing.

Program student learning outcomes:

1. Students will explain relationships between humans and the natural environment.
2. Students will formulate and test hypotheses about concepts in physical and life sciences.
3. Students will collect, record, organize, analyze, and interpret data with the assistance of graphing software while recognizing the limitations of measurements.
4. Students will apply analytical methodologies with quantitative and qualitative reasoning when approaching a problem.
5. Students will clearly communicate the results of scientific work in oral, written, and/or electronic formats to both scientists and the public at large.

Students must fulfill the following requirements to qualify for an Associate Degree:

- Complete the Local General Education, CSU General Education (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) requirements,
 - Complete a minimum of 18 additional units from the major list below,
 - Complete electives to reach a total of 60-degree applicable units,
 - Earn a grade of C or better in each major course,
 - Maintain a minimum cumulative G.P.A. of 2.00, and
 - Complete the English and math proficiency requirements with a C or better
-

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (18 Units). Students must complete at least one course in Math.		
ASCI 012...	Introduction to Animal Science	3
BIO 010....	Fundamentals of Biology	3
BIO 015....	Biology for Education	3
BIO 032....	Human Anatomy	4
BIO 035....	Human Physiology	4
BIO 038....	Microbiology	4
CHEM 002A	Introductory Chemistry	4
CHEM 002B	Introduction to Organic Chemistry and Biochemistry	4
CRPSCI 001.	Introduction to Plant Science	3
CRPSCI 002.	Plant Science Theory	3
CRPSCI 006.	Introduction to Precision Agriculture	3
CRPSCI 007.	Advanced Precision Agriculture	3
GEOG 001..	Physical Geography	4
GEOL 001..	Physical Geology	4
GEOL 003..	Historical Geology	4
MATH 063..	Intermediate Algebra	5
MATH 010A	Structure & Concepts in Mathematics I	3
MATH 010B	Structure & Concepts in Mathematics II	3
MATH 025..	Introduction to Statistics	4
MATH 045..	Contemporary Math	3
MATH 001A	Introduction to Calculus	5
MATH 001B	Calculus With Applications	5
MATH 002A	Multivariate Calculus	4
MATH 002B	Differential Equations	4
PSYCH 006..	Research Methods in Psychology	3
SLSCI 021..	Introduction to Soil Science	4
	Total Major Units.....	18
	Total Units that may be double-counted towards GE Units.....	
	General Education (GE) Units.....	
	Elective Units (As needed to reach 60 units).....	
	Total Degree Units	60

Liberal Arts - Area of Emphasis for Social and Behavioral Science

Liberal Arts - Area of Emphasis for Social and Behavioral Science AA Degree

The Social and Behavioral Science area of emphasis allows students to take courses that prepare them for possible majors within the fields of criminology, business, economics, geography, psychology, history, sociology, political science, and related disciplines. The student is provided the opportunity to learn a variety of theories and perspectives, behavioral and sociological concepts, historical context with respect to particular times, places, events and significant figures, production and distribution analysis, and American and comparative government. This area of emphasis prepares students for baccalaureate majors including but not limited to: Chicano studies, child development, criminology, economics, geography, history, mass communication and journalism, political science, psychology, and sociology and social work.

Program student learning outcomes:

1. Students will identify and explain the global significance of past political, cultural, geographic, and economic issues and how they have impacted contemporary events.
2. Students will identify and explain different theories on human development.
3. Students will identify and explain different theories of societal development.
4. Students will identify and explain how physical systems affect human systems and how human actions affect physical systems.
5. Students will identify and explain how culture affects individuals or groups.
6. Students will analyze the legitimacy and validity of the various sources used within the social science discipline, including discerning facts from opinions, biases, the validity of data collection, and public opinion polls.

Students must fulfill the following requirements to qualify for an Associate Degree:

- Complete the Local General Education, CSU General Education (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) requirements,
 - Complete a minimum of 18 additional units from the major list below,
 - Complete electives to reach a total of 60-degree applicable units,
 - Earn a grade of C or better in each major course,
 - Maintain a minimum cumulative G.P.A. of 2.00, and
 - Complete the English and math proficiency requirements with a C or better
-

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (18 Units). Courses must be selected from two or more disciplines.		
AGBUS 040.	Introductory Agricultural Economics	3
AOJ 001	Introduction to Criminal Justice	3
AOJ 029	Criminology	3
BUS 020	Introduction to Business	3
CD 002	Teaching in a Diverse Society	3
CD 005	Child Development	3
CD 006	Child and Adolescent Development	3
CD 010	Child, Family and Society	3
CD 021	Infant and Toddler Caregiving	3
CD 024	School-Age Development	3
COM 005 ...	Interpersonal Communication	3
COM 006 ...	Intercultural Communication	3
CRPSCI 019.	California Water	3
ECON 001A.	Macroeconomics	3
ECON 001B.	Microeconomics	3
GEOG 002 ..	World Regional Geography	3
GEOG 003 ..	Cultural Geography	3
GEOG 018 ..	Geography of California	3
HIST 004A ..	Western Civilization to 1700	3
HIST 004B ..	Western Civilization From 1700	3
HIST 017A ..	History of the United States 1492-1877	3
HIST 017B ..	History of the United States 1865-PRESENT	3
HIST 020 ...	World History I	3
HIST 021 ...	World History II	3
HIST 032 ...	Cultural History of the Chicano	3
HIST 044 ...	Women's Roles in United States History	3
KINES 002 ..	Introduction to Sport and Exercise Psychology	3
LING 011 ...	Introduction to Linguistics	3
POLSCI 001 .	American Government	3
POLSCI 002 .	Comparative Government	3
POLSCI 004 .	Introduction to International Relations	3
POLSCI 005 .	Introduction to Political Theory	3
POLSCI 010 .	Modern Politics	3
POLSCI 020 .	Legal and Judicial Reasoning	3
PSYCH 001 .	Introductory Psychology	3
PSYCH 002 .	Abnormal Psychology	3
PSYCH 003 .	Developmental Psychology	3
PSYCH 004 .	Personal Psychology	3
PSYCH 005 .	Biological Psychology	3
PSYCH 006 .	Research Methods in Psychology	3
SOC 001	Introduction to Sociology	3
SOC 002	Critical Thinking and Social Problems	3
SOC 003	Marriage and Family Relations	3
SOC 005	Cultural Sociology	3
SW 020	Introduction to Social Work and Human Services	3
	Total Major Units.....	18
	Total Units that may be double-counted towards GE Units.....	
	General Education (GE) Units.....	
	Elective Units (As needed to reach 60 units).....	
	Total Degree Units	60

Life Skills

Life Skills - Local Certificate

The Life Skills Certificate is intended primarily for students with intellectual disabilities. The goal for this program is to increase the independence, self-determination, and quality of life for students with intellectual disabilities.

The Life Skills Certificate offers general background in transition to college, life skills and personal growth, basic computer skills, adaptive English and math, study skills, financial literacy, time management skills, etc.

In order to complete the Life Skills Certificate, students must complete the minimum 10 required units. Upon completion of this program, students will earn a local certificate of completion.

Program student learning outcomes:

1. Students will utilize a computer, computer programs, and assistive technology software.
2. Students will read, write, and edit college level documents.
3. Students will navigate the college campus, the WHCC website, the student portal, and LMS.
4. Students will solve prealgebra math problems.
5. Students will demonstrate knowledge of basic life skills and react appropriately to life emergency situations.

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (6.5 Units)		
GS 100	Transition to College for Students With Disabilities	0.5
GS 102	Guidance Studies Math	1
GS 103	Guidance Studies Reading and Writing	1
GS 104	Adapted Computer Literacy	1
GS 105	Consumer Skills	1
GS 106	Independent Living Skills	1
GS 061	Guidance Studies Content Area Support	1
	Total	6.5

Mathematics

Mathematics AS-T Degree

The Associate in Science in Mathematics for Transfer degree provides students preparation for careers in quantitative professions such as actuarial science, education, computer programming, systems analysis, and operations research analysis.

The Associate in Science in Mathematics for Transfer degree is intended for students who plan to complete a bachelor's degree in Mathematics or a related field of study in the California State University system. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts this degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree.

Program student learning outcomes:

1. Students will take the derivative of various functions.
2. Students will integrate various functions.
3. Students will solve application problems using calculus.
4. Students will graph functions on the coordinate plane.
5. Students will solve equations using arithmetic, algebraic, analytic, or statistical methods.
6. Students will simplify mathematical expressions.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
 - The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
 - A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
 - Obtain a minimum grade point average of 2.0
 - Minimum grade of "C" (or "P") for each course in the major, and
 - Completion of the IGETC and/or CSU GE-Breadth

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (22 Units)		
MATH 001A	Introduction to Calculus	5
MATH 001B	Calculus With Applications	5
MATH 002A	Multivariate Calculus	4
MATH 002B	Differential Equations	4
MATH 025 ..	Introduction to Statistics	4
	Total Major Units.....	22
	Units to be double-counted as General Education.....	
	CSU GE Breadth or IGETC units.....	39-42
	Transferable Elective Units.....	
	Total	60

Physics

Physics AS-T Degree

The Associate in Science in Physics for Transfer (AS-T in Physics) provides a foundation in physics and mathematics and a seamless transfer to a CSU baccalaureate program in physics or physics education. The program will prepare students for a clear pathway to a CSU institution by educating them in the fundamental concepts of physics, developing analytical and quantitative reasoning skills, gaining comprehension of the integrated nature of mathematics and sciences, and executing experimental methods, assessment, and interpretation of scientific physical phenomena.

Program student learning outcomes:

1. Students will draw from an understanding of modern and classic physics to identify the interrelationships between physics and other sciences.
2. Students will apply the scientific method to an experiment from design to data interpretation.
3. Students will use a systematic approach to solve a problem, test the solution's correctness, and interpret the results in terms of the physical reality they represent.
4. Students will utilize technology and computer applications for data acquisition, scientific writing, presentation, and analysis of physics and related principles.
5. Students will apply logic and high-level mathematics to systematically solve a problem of physical reality.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
- The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
- A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtain a minimum grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of the IGETC and/or CSU GE-Breadth

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (26 Units)		
PHYSICS 004A	Classical Mechanics	4
PHYSICS 004B	Electricity, Magnetism, and Waves	4
PHYSICS 004C	Thermodynamics, Optics, and Modern Physics	4
MATH 001A	Introduction to Calculus	5
MATH 001B	Calculus With Applications	5
MATH 002A	Multivariate Calculus	4
	Total Major Units	26
	Units to be double-counted as General Education	6-7
	CSU GE Breadth or IGETC units	39-37
	Transferable Elective Units	1-4
	Total	60

Political Science

Political Science AA-T Degree

The Associate in Arts in Political Science for Transfer Degree is designed to provide students a seamless transfer to the California State University system. The degree is designed to prepare students for a baccalaureate degree in Political Science or similar major.

The Associate in Arts for Transfer in Political Science is designed to provide the transfer student with the opportunity to take lower division courses that could be applied to a political science major at a four year university. Politics is the struggle of who gets what, when and how. A broad spectrum of groups fight for their interests locally, nationally or globally. Political Science looks at the interaction between the individual or group and the government such as local and state governments creating a budget to national governments combating terrorism abroad.

The student who majors in Political Science will become more aware of current events and how those events impact their daily lives. As a Political Science major students may become more politically active and more civic responsible. An AA-T in Political Science would be a stepping stone to many other career fields such as teaching, law, local, state and federal government work and group advocacy.

Program student learning outcomes:

1. Students will research and write papers or essays without bias
2. Students will explain what is the purpose of government.
3. Students will show an understanding of how governments interact with each other.
4. Students will identify between the different ideologies within the United States and around the world.
5. Students will identify the different types of governments around the world.
6. Students will identify the institutions that control policy within a given country.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
- The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
- A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtain a minimum grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of the IGETC and/or CSU GE-Breadth

This program has 50 percent or more of the major courses available via distance education/online

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (3 Units)		
POLSCI 001 .	American Government	3
Plus 9 units from the courses listed below:		
POLSCI 002 .	Comparative Government	3
POLSCI 004 .	Introduction to International Relations	3
POLSCI 005 .	Introduction to Political Theory	3
POLSCI 010 .	Modern Politics	3
MATH 025 ..	Introduction to Statistics	4
Plus 6 units from the courses listed below:		
Any courses not selected above, any CSU transferable political science courses, and/or other courses that are articulated as lower division preparation for the political science major at a CSU, or any CSU transferable introductory course in the social sciences.....		
AOJ 001	Introduction to Criminal Justice	3
AOJ 029	Criminology	3
CD 005	Child Development	3
ECON 001A .	Macroeconomics	3
ECON 001B .	Microeconomics	3
GEOG 002 ..	World Regional Geography	3
GEOG 003 ..	Cultural Geography	3
GEOG 018 ..	Geography of California	3
HIST 004A ..	Western Civilization to 1700	3
HIST 004B ..	Western Civilization From 1700	3
HIST 017A ..	History of the United States 1492-1877	3
HIST 017B ..	History of the United States 1865-PRESENT	3
POLSCI 020 .	Legal and Judicial Reasoning	3
PSYCH 001 .	Introductory Psychology	3
PSYCH 002 .	Abnormal Psychology	3
PSYCH 003 .	Developmental Psychology	3
PSYCH 005 .	Biological Psychology	3
SOC 001	Introduction to Sociology	3
SOC 002	Critical Thinking and Social Problems	3
SOC 003	Marriage and Family Relations	3
SW 020	Introduction to Social Work and Human Services	3
Total Major Units.....		18-19
Units to be double-counted as General Education.....		6-18
CSU GE Breadth or IGETC Units.....		39
Transferable Elective Units.....		8-21
Total		

Precision Agriculture

Precision Agriculture Certificate of Achievement

The Precision Agriculture Certificate prepares students to work with global positioning satellite (GPS) systems, geographic information system (GIS) software, automatic tractor guidance systems, variable rate chemical input applicators, surveying equipment, and related computer software. Students will learn in hands-on, real-world applications. Completing the certificate qualifies the student to enter the professional job market in the public sector as well as the agriculture industry. Units for the Precision Agriculture Certificate apply to the Associates Science Degree in Agriculture.

Program student learning outcomes:

1. Students will communicate technical information and work related concepts effectively through professional written and oral communication.
2. Students will understand fundamental mathematical and scientific concepts that are related to agriculture technology.
3. Students will use and apply geospatial tools including GPS, GIS, remote sensing, and IDI in agriculture, natural resources, and environmental systems for data collection, data analysis and interpretation of data.
4. Students will describe basic agronomic concepts of soil, tillage, fertilizers, pest control, and crop production.
5. Students will use technology to optimize agricultural management decisions.

For Gainful Employment information please visit:

[Precision Agriculture Gainful Employment Data](#)

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (11 Units)		
AG 015X . . .	Occupational Work Experience	1 - 8
AGBUS 015 .	Computer Application to Agriculture	3
SLSCI 021 . .	Introduction to Soil Science	4
CRPSCI 001 .	Introduction to Plant Science	3
or CRPSCI 002	Plant Science Theory	3
Plus 15 units from the courses listed below:		
AG 011	Agriculture Sales and Communication	3
AG 014	Tractor Operations	3
AGBUS 040 .	Introductory Agricultural Economics	3
AET 015	CAD for Agriculture	2
AET 021	Ag-Irrigation Management	3
CRPSCI 006 .	Introduction to Precision Agriculture	3
CRPSCI 008 .	Applications of Geospatial Technology	3
CRPSCI 017 .	Control and Sensor Systems in Ag	3
CRPSCI 018 .	Precision Ag Software	3
CRPSCI 019 .	California Water	3
CRPSCI 021 .	Orchard Production	3
CRPSCI 023 .	Row Crop Production	3
CRPSCI 032 .	Weeds and Poisonous Plants	3
CRPSCI 036 .	Fertilizers and Soil Amendments	3
CRPSCI 044 .	Economic Entomology	3
CRPSCI 045 .	California Pest Control Laws and Regulations	2
IMT 060	Industrial Core	3
IMT 061	Industrial Maintenance Mechanic Level I	3
IMT 062	Industrial Maintenance Mechanic Level II	4
WT 070	Introduction to Certified Welding	2.5
	Total	26

Professional Driving

Professional Driving - Certificate of Achievement

The Truck Driving program is a Certificate of Achievement program designed to prepare students for a career as a professional driver. Using modern equipment, the certificate offers instruction and training in material handling, straight trucks, tractor trailer combinations, including doubles and loaded trucks. Students log time behind the wheel on the driving range and on public roads and highways prior to graduation. Additional training includes hazardous materials transportation, and basic tractor trailer maintenance trouble shooting and repair.

Program student learning outcomes:

1. Students will perform all equipment safety checks.
2. Students will identify all parts and safety components of a commercial combination vehicle.
3. Students will operate a commercial combination vehicle in various situations.
4. Students will document and secure various types of cargo.
5. Students will troubleshoot, maintain, and repair commercial combination vehicles.

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (9.5 Units)		
DT 050	State Laws and Federal Regulations	3
DT 052	Safe Operation Fundamentals	3
DT 058	Operations of Commercial Vehicles I	3
DT 079	Commercial Driver Testing	0.5
Plus 9-11 units from the courses below:		
DT 053	Cargo Handling and Securement	1
DT 059	Operations of Commercial Vehicles II	3
DT 074	Hazardous Materials Transportation	1
DT 094	Introduction to Diesel Engine Repair	3
DT 097	Equipment Systems	3
IMT 060	Industrial Core	3
	Total	18.5-21.5

Psychiatric Technician

Psychiatric Technician AS Degree

The West Hills Community College Psychiatric Technician Program is an approved program by the California Board of Licensed Vocational Nurses and Psychiatric Technicians. This accelerated program is divided into three main content areas, nursing science, developmental disorders, and psychiatric nursing. Program participants will receive didactic and hands-on experiences to apply the nursing process in the planning and implementation of care for clients with a variety of special needs. Participants will be introduced to the professional psychiatric technician standards related to professionalism and safety and grow in the role of client advocate and sponsor. The Psychiatric Technician Training Program will prepare the student in a variety of health care settings. Upon completion of the Psychiatric Technician Training Program, students will receive a certificate or associate degree and qualify to take the licensure exam from the California Board of Vocational Nursing and Psychiatric Technicians.

This is an intensive certificate/degree program. Classes will meet at the college, local hospitals, mental health facilities, Coalinga State Hospital, Porterville Developmental Center, and other approved facilities to accommodate the clinical aspects of instruction.

Program student learning outcomes:

1. Students will apply principals of safety in various healthcare settings.
2. Students will utilize critical thinking and problem solving skills in industry specific areas.
3. Students will apply principals of caring to individualized populations.
4. Students will apply evidence-based care.
5. Students will model professional behaviors in the healthcare setting.

Students must fulfill the following requirements to qualify for an Associate Degree:

- Complete the Local General Education, CSU General Education (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) requirements,
- Complete a minimum of 18 additional units from the major list below,
- Complete electives to reach a total of 60-degree applicable units,
- Earn a grade of C or better in each major course,
- Maintain a minimum cumulative G.P.A. of 2.00, and
- Complete the English and math proficiency requirements with a C or better

Program Prerequisites, Corequisite or Advisory Courses

For Consideration of eligibility to the Psychiatric Technician Training Program, applicant must meet current admission criteria and all of the following:

- HS 080 – Introduction to Medical Professionals
- HS 088 – Medical Terminology for Health Careers
- VNPT 090 – Math for Medical Professionals

Program Prerequisite Skills and/or Knowledge

- Show proof of a current American Heart Association, Basic Life Support for Health Care Providers Certificate.
- Be at least 18 years of age.
- Show evidence of high school graduation or equivalent (GED or CHSPE).
- Submit a complete application to West Hills College.
- Submit a complete and current application to the West hills College Psychiatric Technician Training Program.
- Be able to read, write and communicate at college level.
- Complete and pass a physical, background check and drug screen.
- In addition to the prerequisites, applicants are strongly advised to possess an active California certification as a nursing assistant (CNA).

For Gainful Employment information please visit:

<https://westhillscollge.com/coalinga/degrees-and-certificates/gainful-employment/>

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

Course #	Title	Units
Required Core Courses (57 Units)		
PT 101	Psychiatric Technician Training Program Orientation	1.5
PT 050	Anatomy for Nurses	2
PT 051	Fundamentals of Nursing	5
PT 051L	Fundamentals of Nursing Clinical	3
PT 052	Medical Surgical Nursing	4.5
PT 052L	Medical Surgical Nursing Clinical	3
PT 081	Pharmacology 1	1
PT 060	Lifespan for Nurses	2
PT 061	Introduction to Developmental Disabilities	5
PT 061L	Introduction to Developmental Disabilities Clinical	3
PT 062	Developmental Disabilities	4.5
PT 062L	Developmental Disabilities Clinical	3
PT 082	Pharmacology 2	1
PT 070	Psychology for Nurses	2
PT 071	Introduction to Mental Disorders	5
PT 071L	Introduction to Mental Disorders Clinical	3
PT 072	Mental Disorders	4.5
PT 072L	Mental Disorders Clinical	3
PT 083	Pharmacology 3	1
	Total Major Units	57
	Total Units that may be double-counted towards GE Units	
	General Education (GE) Units	
	Elective Units (As needed to reach 60 units)	
	Total Degree Units	60

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major. Students should consult with a counselor for specific information and develop an educational plan to ensure that this degree would be the most beneficial prior to transferring to the University of their Choice. Students can also access information on www.assist.org.

Psychiatric Technician

Psychiatric Technician Certificate of Achievement

The West Hills Community College Psychiatric Technician Program is an approved program by the California Board of Licensed Vocational Nurses and Psychiatric Technicians. This accelerated program is divided into three main content areas, nursing science, developmental disorders, and psychiatric nursing. Program participants will receive didactic and hands-on experiences to apply the nursing process in the planning and implementation of care for clients with a variety of special needs. Participants will be introduced to the professional psychiatric technician standards related to professionalism and safety and grow in the role of client advocate and sponsor. The Psychiatric Technician Training Program will prepare the student in a variety of health care settings. Upon completion of the Psychiatric Technician Training Program, students will receive a certificate or associate degree and qualify to take the licensure exam from the California Board of Vocational Nursing and Psychiatric Technicians.

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Program student learning outcomes:

1. Students will apply principals of safety in various healthcare settings.
2. Students will utilize critical thinking and problem solving skills in industry specific areas.
3. Students will apply principals of caring to individualized populations.
4. Students will apply evidence-based care.
5. Students will model professional behaviors in the healthcare setting.

Program Prerequisites, Corequisite or Advisory Courses

For Consideration of eligibility to the Psychiatric Technician Training Program, applicant must meet current admission criteria and all of the following:

- HS 080 – Introduction to Medical Professionals
- HS 088 – Medical Terminology for Health Careers
- VNPT 090 – Math for Medical Professionals

Program Prerequisite Skills and/or Knowledge

- Show proof of a current American Heart Association, Basic Life Support for Health Care Providers Certificate.
- Be at least 18 years of age.
- Show evidence of high school graduation or equivalent (GED or CHSPE).
- Submit a complete application to West Hills College.
- Submit a complete and current application to the West hills College Psychiatric Technician Training Program.
- Be able to read, write and communicate at college level.
- Complete and pass a physical, background check and drug screen.
- In addition to the prerequisites, applicants are strongly advised to possess an active California certification as a nursing assistant (CNA).

For Gainful Employment information please visit:

<https://westhillscollge.com/coalinga/degrees-and-certificates/gainful-employment/>

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (57 Units)		
PT 101	Psychiatric Technician Training Program Orientation	1.5
PT 050	Anatomy for Nurses	2
PT 051	Fundamentals of Nursing	5
PT 051L	Fundamentals of Nursing Clinical	3
PT 052	Medical Surgical Nursing	4.5
PT 052L	Medical Surgical Nursing Clinical	3
PT 081	Pharmacology 1	1
PT 060	Lifespan for Nurses	2
PT 061	Introduction to Developmental Disabilities	5
PT 061L	Introduction to Developmental Disabilities Clinical	3
PT 062	Developmental Disabilities	4.5
PT 062L	Developmental Disabilities Clinical	3
PT 082	Pharmacology 2	1
PT 070	Psychology for Nurses	2
PT 071	Introduction to Mental Disorders	5
PT 071L	Introduction to Mental Disorders Clinical	3
PT 072	Mental Disorders	4.5
PT 072L	Mental Disorders Clinical	3
PT 083	Pharmacology 3	1
	Total	57

Psychology

Psychology AA-T Degree

The Associate in Arts in Psychology for Transfer Degree is designed to provide students a seamless transfer to the California State University system. The degree is designed to prepare students for a baccalaureate degree in Psychology or similar major.

The AA-T in Psychology is designed to provide entry-level skills and knowledge for the student transferring to a four-year institution with a major in psychology. The psychology major requires 19 units in psychology and related fields. Psychology is the scientific study of behavior and mental processes. Course work in this program will provide a better understanding of human behavior in the areas of biological psychology, life-span development, states of consciousness, learning, memory, intelligence, personality, abnormal behavior, therapy, and social psychology. The psychology major prepares students for four-year programs with emphasis in psychology, counseling, child development, educational psychology, education, social work, sociology, human services, and nursing.

Program student learning outcomes:

1. Students will describe applications of psychology.
2. Students will describe key concepts, principles, and overarching themes in psychology.
3. Students will develop a working knowledge of psychology's content domains.
4. Students will interpret psychological phenomena using scientific reasoning.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
- The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
- A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtain a minimum grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of the IGETC and/or CSU GE-Breadth

This program has 50 percent or more of the the major courses available via distance education/online

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (16 units)		
PSYCH 001 .	Introductory Psychology	3
PSYCH 005 .	Biological Psychology	3
PSYCH 006 .	Research Methods in Psychology	3
MATH 025 ..	Introduction to Statistics	4
BIO 010	Fundamentals of Biology	3
Plus 3 units from the courses listed below:		
PSYCH 002 .	Abnormal Psychology	3
PSYCH 003 .	Developmental Psychology	3
PSYCH 004 .	Personal Psychology	3
PSYCH 029 .	Introduction to Sport & Exercise Psychology	3
	Total Major Units.....	19
	Units to be double-counted as General Education.....	12-15
	CSU Breadth or IGETC Units.....	39
	Transferable Elective Units.....	14-17
	Total	60

Sociology

Sociology AA-T Degree

The Associate in Arts for Transfer in Sociology is designed to provide students with a seamless transfer to the California State University. This degree provides students with lower-division courses and comprehensive knowledge of the scientific study of human social life. This degree exposes students to the core principles, theoretical perspectives in sociology and to sociological concepts through the analysis of social phenomena. Students will learn to communicate effectively about social issues relating to various groups of people and identify group/cultural influences. Additionally, this degree will educate students on sociological topics from a scientific perspective, using systematic investigation and critical thinking methods.

Program student learning outcomes:

1. Students will apply and interpret sociological literacy underscoring the centrality of race, class, and gender in society including multicultural, cross-cultural, and cross-national content in sociological analysis.
2. Students will apply and formulate higher order critical thinking skills using major concepts and theoretical perspectives in sociological analysis through written and oral communication.
3. Students will apply and appraise an empirical base of sociology across several methodologies, posing sociological questions, developing theoretical explanations, and using primary and secondary data as supporting evidence.
4. Students will distinguish the interpersonal, institutional, cultural, and structural mechanisms that produce and maintain inequality.

Students must meet the following requirements to qualify for an Associates for Transfer Degree (ADT):

- Complete 60 semester units or 90 quarter units that are eligible for transfer to the California State University (CSU), including both of the following:
- The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education (CSU GE) Breadth Requirements
- A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- Obtain a minimum grade point average of 2.0
- Minimum grade of “C” (or “P”) for each course in the major, and
- Completion of the IGETC and/or CSU GE-Breadth

This program has 50 percent or more of the the major courses available via distance education/online

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (10 units)		
SOC 001	Introduction to Sociology	3
SOC 002	Critical Thinking and Social Problems	3
MATH 025 . .	Introduction to Statistics	4
Plus 6 units from the courses listed below:		
SOC 003	Marriage and Family Relations	3
SOC 005	Cultural Sociology	3
AOJ 029	Criminology	3
Plus 3 units from the courses listed below that have not been completed from courses listed above:		
AOJ 029	Criminology	3
ES 001	Introduction to Ethnic Studies	3
PSYCH 001 . .	Introductory Psychology	3
SOC 003	Marriage and Family Relations	3
SOC 005	Cultural Sociology	3
SW 020	Introduction to Social Work and Human Services	3
Total Major Units.		19
Units to be double-counted as General Education.		12-15
CSU Breadth or IGETC Units.		37-39
Transferable Elective Units.		14-17
Total		60

Transfer Studies - CSU GE Breadth

Transfer Studies - CSU GE Breadth, Certificate of Achievement

The Certificate of Achievement in Transfer Studies - CSU General Education-Breadth provides students with the option of fulfilling all lower-division general education requirements before transferring to the California State University (CSU) system. In addition to completing the courses for the Certificate of Achievement, the student is responsible for completing major preparation and/or elective credits to complete the 60 units required for admission for all CSU campuses. For many majors, students are encouraged to complete the CSU-GE pattern before transfer; however, it is not required for admission to the CSU.

Although the certificate recognizes the completion of lower-division CSUGE-Breadth requirements, it does not guarantee admission to a specific campus within the CSU system, nor does it guarantee admission to a specific major. Some majors and colleges may require a different lower division preparation and/or a higher GPA than is necessary for this certificate. Students can use www.assist.org to review major preparation courses and are advised to see a counselor for educational planning for successful admission to the university of their choice.

A single course, even though listed in more than one area, can only be used to satisfy one General Education requirement. A grade of "C" or better is required in all courses.

Program student learning outcomes:

1. Students will distinguish fact from judgment, knowledge from belief, truth from falsehood; use elementary inductive and deductive processes; and recognize common logical errors or fallacies of language and thought.
2. Students will comprehend physical and biological concepts, their limitations, and the power of scientific inquiry.
3. Students will analyze works of philosophical, historical, literary, aesthetic and cultural importance.
4. Students will analyze works of philosophical, historical, literary, aesthetic and cultural importance.
5. Students will examine social and behavioral perspectives in their contemporary, historical, and geographical settings.
6. Students will achieve understanding and lifelong appreciation of themselves as integrated physiological, social, and psychological beings.
7. Students will describe how struggle, resistance, social justice, solidarity, and liberation as experienced by communities of color are relevant to current issues.

<i>Course #</i>	<i>Title</i>	<i>Units</i>
CSU-General Education-Breadth		
Area A1.	Oral Communication.	3
Area A2.	Written Communication.	3-5
Area A3.	Critical Thinking.	3
Area B1.	Physical Science.	3-5
Area B2.	Life Science.	3-4
Area B3.	Laboratory Activity.	0-1
Area B4.	Mathematics/Quantitative Reasoning.	3-6
Area C1.	Arts.	3
Area C2.	Humanities.	3-4
Area C1/C2.	Arts & Humanities.	3-4
Area D.	Social Sciences.	6
Area E.	Lifelong Understanding & Self-Development.	3
Area F.	Ethnic Studies.	3
	Total	39-48

Transfer Studies – Full Intersegmental General Education Transfer (IGETC) Curriculum Certification: UC

Transfer Studies – Full IGETC Certification: UC, Certificate of Achievement

The Intersegmental General Education Transfer Curriculum (IGETC) Full Certification for California State University (UC) provides students the ability to fulfill in-state, public university lower-division general education requirements before transferring. It is strongly recommended that UC-bound students complete the IGETC prior to transfer to allow more flexibility in class selection at the university and timely progress to degree completion. All UC campuses will accept the completed IGETC to satisfy all lower-division general education requirements, however, individual colleges or majors within a UC campus may not accept IGETC for meeting general education.

Although the certificate recognizes the completion of lower-division general education requirements, it does not guarantee admission to a specific campus within the UC system, nor does it guarantee admission to a specific major. Some majors and colleges may require a different lower division preparation and/or a higher GPA than is necessary for this certificate. Students can use www.assist.org to review major preparation courses and are advised to see a counselor for educational planning for successful admission to the university of their choice.

- A minimum “C” grade is required in each college course for IGETC where a “C” is defined as a minimum 2.0 grade points on a 4.0 scale.
- A single course, even though listed in more than one area, can only be used to satisfy one General Education requirement.
- International Baccalaureate (IB) scores may not be used for AREA 1A.
- Advanced Placement (AP) and IB scores may not be used in Areas 1B & 1C.
- Newly approved IGETC courses can be added to this certificate as listed in www.assist.org.

Program student learning outcomes:

1. Students will demonstrate critical thinking through literary works and written compositions.
2. Students will utilize quantitative analysis and have the ability to use and criticize quantitative arguments.
3. Students will analyze works of philosophical, historical, literary, aesthetic and cultural importance.
4. Students will examine social and behavioral perspectives in their contemporary, historical, and geographical settings.
5. Students will comprehend physical and biological concepts, their limitations, and the power of scientific inquiry.
6. Students will demonstrate proficiency in a language other than English.

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (34-37 Units)		
Area 1A.....	English Composition.....	3
Area 1B.....	Critical Thinking – English Composition.....	3
Area 2.....	Math Concepts & Quantitative Reasoning.....	3-5
Area 3A.....	Arts.....	3
Area 3B.....	Humanities.....	3
Area 3A/B...	Arts & Humanities.....	3
Area 4.....	Social & Behavioral Sciences.....	6
Area 5A.....	Physical Science.....	4
Area 5B.....	Biological Science.....	3-4
Area 5C.....	Laboratory Science.....	-
Area 6.....	Language Other Than English.....	-
Area 7.....	Ethnic Studies.....	3
	Total	34-37

Transfer Studies – Full Intersegmental General Education Transfer Curriculum (IGETC) Certification: CSU

Transfer Studies – Full IGETC Certification: CSU, Certificate of Achievement

The Intersegmental General Education Transfer Curriculum (IGETC) Full Certification for California State University (CSU) provides students the ability to fulfill in-state, public university lower-division general education requirements before transferring. It is strongly recommended that students complete the IGETC prior to transfer to allow more flexibility in class selection at the university and timely progress to degree completion. All CSU campuses will accept the completed IGETC to satisfy all lower-division general education requirements, however, individual colleges or majors within a CSU campus may not accept IGETC for meeting general education.

Although the certificate recognizes the completion of lower-division general education requirements, it does not guarantee admission to a specific campus within the CSU system, nor does it guarantee admission to a specific major. Some majors and colleges may require a different lower division preparation and/or a higher GPA than is necessary for this certificate. Students can use www.assist.org to review major preparation courses and are advised to see a counselor for educational planning for successful admission to the university of their choice.

- A minimum “C” grade is required in each college course for IGETC where a “C” is defined as a minimum 2.0 grade points on a 4.0 scale.
- A single course, even though listed in more than one area, can only be used to satisfy one General Education requirement.
- International Baccalaureate (IB) scores may not be used for AREA 1A.
- Advanced Placement (AP) and IB scores may not be used in Areas 1B & 1C.
- Newly approved IGETC courses can be added to this certificate as listed in www.assist.org.

Program student learning outcomes:

1. Students will demonstrate critical thinking through literary works and written compositions.
2. Students will utilize quantitative analysis and have the ability to use and criticize quantitative arguments.
3. Students will analyze works of philosophical, historical, literary, aesthetic and cultural importance.
4. Students will examine social and behavioral perspectives in their contemporary, historical, and geographical settings.
5. Students will comprehend physical and biological concepts, their limitations, and the power of scientific inquiry.
6. Students will understand the psychological basis and the social significance of communication, including how communication operates in various situations.

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (34-40 Units)		
Area 1A.	English Composition.	3
Area 1B.	Critical Thinking – English Composition.	3
Area 1C.	Oral Communication.	3
Area 2.	Math Concepts & Quantitative Reasoning.	3-5
Area 3A.	Arts.	3
Area 3B.	Humanities.	3
Area 3A/B.	Arts & Humanities.	3
Area 4.	Social & Behavioral Sciences.	6
Area 5A.	Physical Science.	4
Area 5B.	Biological Science.	3-4
Area 5C.	Laboratory Science.	-
Area 7.	Ethnic Studies.	3
	Total	37-40

Welding Technology

Welding Technology Certificate of Achievement

The Welding Technology program is a Certificate of Achievement program designed to prepare students for a career in welding. Program performance standards for certification will be in accordance with those set forth by the National Center for Construction and Research (NCCER), the American Welding Society (AWS), and the American Society of Mechanical Engineers (ASME). Career opportunities for certified welders exist in oil production and maintenance, agriculture, fabrication, manufacturing and construction. Laboratory work is completed in a modern and well equipped welding shop.

Program student learning outcomes:

1. Students will perform SMAW using the flat, horizontal, uphill, and overhead positions.
2. Students will perform both GMAW and FCAW using the flat, horizontal, and overhead positions.
3. Students will perform pipe welding using both SMAW and GMAW process.
4. Students will understand AWS WPS, welding terminology, drawings, and symbols used in the welding industry.
5. Students will understand the importance of work and tool safety.
6. Students will perform Oxy-Fuel torch cutting and gouging.

For Gainful Employment information please visit:

<https://westhillcollege.com/coalinga/degrees-and-certificates/gainful-employment/>

Career and employment information may be obtained through:

- O*Net, www.onetonline.org
- Labor Market, California Employment Development Department, www.labormarketinfo.edd.ca.gov

<i>Course #</i>	<i>Title</i>	<i>Units</i>
Required Core Courses (18.5 Units)		
IMT 060	Industrial Core	3
WT 070	Introduction to Certified Welding	2.5
WT 071	Beginning SMAW	3
WT 072	Advanced SMAW	3
WT 073	Introduction to Metallurgy and Weld Symbols	1.5
WT 074	GMAW and FCAW: Plate	3
WT 075	SMAW Pipe Welding	2
WT 076	Welding Certification Preparation	0.5
	Total	18.5