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

The Associate in Science Degree in Administration of Justice for Transfer (AS-T) is designed to prepare students to enter careers in law enforcement, corrections or investigative positions in the private sector. Students receive practical, "hands-on", experiences in order to expose them to the fundamental concepts and tasks of law enforcement and corrections and ready them for the qualification and screening processes required to enter training enforcement academies.

Administration of Justice AS-T Degree

Program Student Learning Outcomes
Upon completion of the program, the student will be able to:

- identify the components of the criminal justice system to include law enforcement, corrections, courts and the three levels of state and federal courts.
- identify the protections afforded all persons as delineated in the first, fourth, fifth, six, eighth, and 14th Amendments; Students will identify that the Miranda decision came from the courts and is not a right enumerated in the Bill of Rights.
- identify the role of the Exclusionary Rule in the admissibility of evidence, the four exceptions to that rule and be able to identify the general rules of admissibility for all evidence.
- identify the various roles individuals play in a criminal event, such as principals, accessories, accomplices, and feigned accomplices and the four types of intent required that must be proven to establish an act as a crime.

Associate Degree for Transfer requirements (pursuant to SB 1440):

- Complete a minimum of 18.0 semester units in a major or area of emphasis
- Complete IGETC or CSU General Education – Breadth requirements
- Complete total of 60.0 CSU transferable semester units
- Complete all required courses for the major or area of emphasis with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
AOJ 001	Introduction to Criminal Justice	3
AOJ 020	Criminal Law	3
List A: Choose any two of the following courses		
AOJ 003	Introduction to Corrections	3
AOJ 010	Princ & Procedures of Criminal Justice	3
AOJ 016	Human & Comm. Relations in Crim Justice	3
AOJ 022	Criminal Evidence	3
AOJ 024	Criminal Investigation	3
AOJ 032	Juvenile Delinquency	3
List B: Choose any two of the following courses:		
MATH 025	Introduction to Statistics	4
PSYCH 001	Introductory Psychology	3
SOC 001	Introduction to Sociology	3
	Total	18-19
	CSU-GE or IGETC requirements	34-39
	Electives (must be transferable to CSU)	2-8
	Total	**60**

This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4

COM-001,004............. 3	AOJ 020 3	AOJ List A................ 3	AOJ List A................ 3
ENG 001A 3	SOC 002 3	HIST-017A, B............. 3	Area C1, 2................ 3
IS 001 3	Area B2.................. 4	BIO 010 3	POLSCI 001 3
AOJ 001 3	PSYC-001, SOC-001...... 3	Area C2.................. 3	PSYCH 002 3
MATH 025 4	Area C2.................. 3	Elective 001-049........... 3	Elective 001-049........... 1
16	**16**	**15**	**13**

Administration of Justice - Correctional Science

Administration of Justice - Correctional Science AA

The Administration of Justice program is designed to provide the student an option of emphasizing Law Enforcement or Correctional Science. This program provides introductory and journey level course work in Administration of Justice for local, state, federal and private enterprise levels. This program enhances student development with philosophical, statutory, practical and, tactical experience and background necessary to successfully compete in a technologically advancing, competitive and rewarding career field. Upon successful completion of the program the student will be prepared for several career options in the Administration of Justice.

Program Student Learning Outcomes

Upon completion of the program, the student will be able to:

- identify the rights afforded prisoners while incarcerated in jails and prisons.
- identify the psychological and physiological effects of institutionalization on male and female offenders and the effect changes in classification and case law create.
- identify the values and risks associated with probation, parole and other release programs.
- demonstrate the ability to conduct interviews and complete various types of reports.
- identify the rights afforded each accused individual including the 4th, 5th, 6th, 8th, 10th, and 14th amendments.

Associate Degree Requirements:

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete Local General Education and District requirements
- Complete elective units for total of 60 degree applicable semester units
- Complete all required courses for the major or area of emphasis, English, and math with a "C" or better
- Obtain an overall minimum grade point average of 2.0

The following has been recognized as core course requirements by the Commission on Correctional Peace Officers Standards and Training (CPOST) for all new apprentices (entry-level) hired with the Department of Corrections and Department of the Youth Authority after July 1, 1995:

Course #	Title	Units
Required Core Courses		
AOJ 003	Introduction to Corrections	3
AOJ 004	Control & Superv. 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
Elective	AOJ 005, 016, 024, 029, 032, 015X	3
	Total	**21**

This is a recommended sequence of courses for timely completion of this program. Entry in to transfer level English and math required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
AOJ-003	3	AOJ-006	3	AOJ 001	3	AOJ-020	3
AOJ-004	3	AOJ 007	3	AOJ ELECTIVE	3	ELECTIVE 001-049	8
ENG-001A	3	AREA C	3	AREA B	3	PE ACTIVITY	2
MATH-063	5	HE 035	3	Elective 001-049	6		**13**

IS-001…………………… 3   ELECTIVE 001-049……. 3   **15**

         17   **15**

Administration of Justice - Law Enforcement

Administration of Justice - Law Enforcement AA

The Administration of Justice program is designed to provide the student an option of emphasizing Law Enforcement or Correctional Science. This program provides introductory and journey level course work in Administration of Justice for local, state, federal and private enterprise levels. This program enhances student development with philosophical, statutory, practical and, tactical experience and background necessary to successfully compete in a technologically advancing, competitive and rewarding career field. Upon successful completion of the program the student will be prepared for several career options in the Administration of Justice.

Program Student Learning Outcomes

Upon completion of the program, the student will be able to:

- identify the components of the criminal justice system to include law enforcement, corrections, courts and the three levels of state and federal courts.
- identify the protections afforded all persons as delineated in the first, fourth, fifth, six, eighth, and 14th Amendments; Students will identify that the Miranda decision came from the courts and is not a right enumerated in the Bill of Rights.
- identify the role of the Exclusionary Rule in the admissibility of evidence, the four exceptions to that rule and be able to identify the general rules of admissibility for all evidence.
- identify the various roles individuals play in a criminal event, such as principals, accessories, accomplices, and feigned accomplices and the four types of intent required that must be proven to establish an act as a crime.

Associate Degree Requirements:

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete Local General Education and District requirements
- Complete elective units for total of 60 degree applicable semester units
- Complete all required courses for the major or area of emphasis, English, and math with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
AOJ 001	Introduction to Criminal Justice	3
AOJ 010	Princ & Procedures of Criminal Justice	3
AOJ 012	Written Criminal Justice Communications	3
AOJ 016	Human & Comm. Relations in Crim Justice	3
AOJ 020	Criminal Law	3
AOJ 022	Criminal Evidence	3
Elective	AOJ 005, 016, 024, 029, 032, 015X	3
	Total	**21**

This is a recommended sequence of courses for timely completion of this program. Entry in to transfer level English and math required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
AOJ-001	3	AOJ 010	3	AOJ-012	3	AOJ-022	3
IS 001	3	AOJ 020	3	AOJ-016	3	ELECTIVE 001-049	11
ENG 001A	3	AREA C	3	AOJ ELECTIVE	3	PE ACTIVITY	1
MATH 063	5	HE 035	3	AREA B	3		**15**
PE ACTIVITY	1	ELECTIVE-001-049	3	Elective 001-049	3		

15   **15**   **15**

Administration of Justice- Correctional Rehabilitation

Administration of Justice- Correctional Rehabilitation COA

The Correctional Rehabilitation Certificate of Achievement (COA) guides students toward successful employment in a correctional law enforcement agency. The certificate of achievement for correctional workers, developed in conjunction with local and state agencies, provides students with a broad range of correctional skills and competencies, which promote success in a variety of correctional settings. The certificate ensures correctional workers understand the history of correctional rehabilitation, the relationship between correctional and other law enforcement agencies, and the complex legal environment of the corrections worker. Students will understand the role of risk and needs assessments in developing treatment programs for correctional clients. Students who complete the certificate will be ready for the workforce, and the certificate provides a stepping-stone to continue their education and complete an A.A. in Administration of Justice or Corrections.

Program Student Learning Outcomes

Upon completion of the program, student will be able to:

- Demonstrate an understanding of the history of corrections and rehabilitation and the relationship between the criminal justice and corrections subsystem.
- Demonstrate an understanding of the roles and responsibilities relative to the supervision and control of inmates in local, state and federal correctional institutions.
- Demonstrate the ability to communicate effectively in a correctional setting to include verbal and written communications or reports.
- Demonstrate an understanding of the doctrines of criminal liability in the United States and the classification of crimes against persons, property, morals, and public welfare.
- Demonstrate an understanding of the legal and historical framework, concepts and precedents that guide correctional practice in the United States.
- Demonstrate an understanding of the techniques of interviewing and counseling available to practitioners in corrections.
- Demonstrate understanding of the processes of Risk and Needs assessments relative to correctional clients.

Course #	Title	Units
Required Core Courses		
AOJ 003	Introduction to Corrections	3
AOJ 004	Control & Superv. 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
COM 001	Elements of Speech	3
ENG-051A or Higher	Introduction to Communication Skills	3
	Total	**24**

For Gainful Employment information please visit:
https://www.westhillscollege.com/lemoore/degrees-and-certificates/gainful-employment/aoj-correhab-l-ccd.html

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2	
AOJ-003	3	AOJ 006	3
AOJ-004	3	AOJ 007	3

ENG-051A (or higher)..................................... 3	COM 001 3
AOJ 012 3	AOJ 020 3
12	**12**

Art - Studio Arts

Art - Studio Arts AA-T

The Associate in Arts in Studio Arts for Transfer degree is designed to provide the opportunity to achieve an associate degree in the student's area of specialization. Upon completion of a baccalaureate degree, students will be preparing for careers such as teaching, commercial art, museum curator, computer art, or to be self-employed. The Associate in Arts in Studio Arts for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Studio Arts or similar degree.

Program Student Learning Outcomes

Upon completion of the program, student will be able to:

- articulate and apply the elements and principles of two-dimensional design.
- demonstrate an ability to solve a variety of problems related to the use of various drawing materials.
- articulate and apply the elements and principles of three-dimensional design.
- demonstrate an ability to solve a variety of problems related to the use of various painting materials and techniques.
- demonstrate an understanding of the historical development of art, be capable of identifying works from various art movements and periods in history, and be capable of articulating how context has influenced the creation of works of art during these movements and periods.

Associate Degree for Transfer requirements (pursuant to SB 1440):

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete IGETC or CSU General Education – Breadth requirements
- Complete total of 60 CSU transferable semester units
- Complete all required courses for the major or area of emphasis with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
ART 002	Two-Dimensional Design	3
ART 003	3 - Dimensional Design Fundamentals	3
ART 005A	Basic Drawing	3
ART 015A	Beginning Painting	3
ART 016A	Survey of Western Art: Pre-History	3
ART 016B	Survey of Western Art: Renaissance	3
ART 020A	Introduction to Digital Art	3
Choose 3 units from the following:		
ART 005B	Intermediate Drawing	3
ART 007	Figure Drawing	3
	Total	24
	CSU-GE-B or IGETC requirements (allowing double counting)	37-39
	CSU Transferable Electives	3-5
	Total	**60**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
ENG-001A	3	MATH 025	4	ART-005A	3	ART-005B or 7	3
COM-001 or 004	3	ART 003	3	ART-020A, B	3	ART-015A	3
IS 001	3	ART 016B	3	AREA A3	3	AREA C2	3
ART 002	3	HIST-017A or 017B	3	BIO-010 or 015	3	AREA D	3
ART 016A	3	Area B1	3	POLSCI-001	3	AREA E	3

15 **17** **15** **15**

Biology

Biology AS

The Biology Program provides students with the opportunity to earn an associate degree in the student's area of specialization and prepares the student for transfer to a four-year institution. Students completing the baccalaureate program or graduate school may be hired in the major or in a related field such as biochemistry, bioengineering, botany, clinical lab technology, environmental biology, forestry, oceanography, range management, wildlife/fisheries biology, or zoology.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- recognize and explain the individual structures and hierarchical levels of structure of living organisms
- relate the physiological functions of living organisms to homeostasis, at multiple levels of organismal complexity
- explain and apply basic chemistry principles as they relate to inorganic and organic molecules in biological systems
- manipulate advanced mathematical concepts and equations that can relate to biological systems and/or research
- explain and apply basic physics concepts that can relate to biological systems and/or research

Associate Degree Requirements:

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete Local General Education and District requirements
- Complete elective units for total of 60 degree applicable semester units
- Complete all required courses for the major or area of emphasis, English, and math with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
BIO 032	Human Anatomy	4
BIO 035	Human Physiology	4
BIO 038	Microbiology	4
Plus at least 8 units from the courses listed below:		
CHEM 001A	General Chemistry I	5
CHEM 001B	General Chemistry II	5
CHEM 002A	Introductory Chemistry I	4
MATH 001A	Introduction to Calculus	5
MATH 001B	Calculus With Applications	5
PHYSICS 002A	Mechanics and Thermodynamics	4
PHYSICS 002B	Elect., Mag., Optics & Modern Physics	4
	Total	**20**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
ENG 001A	3	BIO 032	4	BIO 035	4	BIO-038	4
MATH 063	5	AREA C	3	CHEM-002A or		BIOLOGY MAJOR	4
IS 001	3	AREA D	3	CHEM-001A	4	ELECTIVE 001-049	6
HE 035	3	ELECTIVE 001-049	6	Elective 001-049	3	PE ACTIVITY	2
	14		**16**		**14**		**16**

Business Administration

Business Administration AS-T

The AS-T in Business Administration curriculum is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Business Administration or similar major. While a baccalaureate degree is recommended preparation for those considering professional careers in this field, the completion of this suggested program will demonstrate commitment to the field, and provide comprehensive preparation for upper division work. Upon completion of the AS-T in Business Administration, students will be able to: 1) develop and understand the fundamental principles of business administration 2) utilize the mathematical and statistical tools available to them, and 3) promote the use of technology to support the field of business administration.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- compose, analyze, and interpret business reports.
- identify the basic elements of a contract and assess a contract's validity.
- use basic Microsoft office applications.
- identify and/or describe major U.S. business practices and their relationship to the economy.

Associate Degree for Transfer requirements (pursuant to SB 1440):

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete IGETC or CSU General Education – Breadth requirements
- Complete total of 60 CSU transferable semester units
- Complete all required courses for the major or area of emphasis with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
BUS 001A	Beginning Principles of Accounting	4
BUS 001B	Elementary Principles of Accounting	4
BUS 018	Business Law	4
CIS 007	Computer Concepts	3
ECON 001A	Macroeconomics	3
ECON 001B	Microeconomics	3
BUS 039	Quantitative Analysis	3
MATH 025	Introduction to Statistics	4
	Total	28
	IGETC/CSU-GE Breadth (allowing double counting)	37-39
	Electives as needed	2-4
	Total	**60**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
ENG 001A	3	ENG-001B or SOC-002	3	BUS 001A	4	BUS 001B	4
MATH 025	4	CIS 007	3	BUS 018	4	BUS 039	3
ECON 001A	3	ECON 001B	3	AREA B1	4	BIO-10 or 015	3
HE 035	3	AREA C2	3	COM-001 or 004	3	HIST-017A or 017B	3
AREA C1	3	POLSC-001	3		**15**	ELECTIVE 001 - 049	1
	16		**15**				**14**

Business Administration AS

The Business Administration curriculum is intended for those interested in transferring to a four-year college or university to earn a Bachelor of Arts or Science degree. Students are encouraged to consult with business staff to ensure that their course selections reflect their career interest and the career goals of their major.

Program Student Learning Outcomes

Upon completion of the program, student will be able to:

- compose, analyze, and interpret business reports.
- identify the basic elements of a contract and assess a contract's validity.
- use basic Microsoft office applications.
- identify and/or describe major U.S. business practices and their relationship to the economy.

Associate Degree Requirements:

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete Local General Education and District requirements
- Complete elective units for total of 60 degree applicable semester units
- Complete all required courses for the major or area of emphasis, English, and math with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
BUS 001A	Beginning Principles of Accounting	4
BUS 001B	Elementary Principles of Accounting	4
BUS 018	Business Law	4
BUS 039	Quantitative Analysis	3
ECON 001A	Macroeconomics	3
ECON 001B	Microeconomics	3
	Total	**60**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
ENG 001A	3	ECON 001A	3	BUS 001A	4	BUS 001B	4
MATH 063	5	AREA C	3	BUS 018	4	BUS 039	3
IS 001	3	HE 035	3	ECON 001B	3	AREA B	3
BUS 020	3	ELECTIVE 001-049	6	AREA B	3	ELECTIVE 001 - 049	5
PE ACTIVITY	1		**15**		**14**	PE ACTIVITY	1
	15						**16**

Business Bookkeeping

Business Bookkeeping Certificate of Achievement

The Business Program of study prepares the student for entry level positions in areas such as bookkeeping, management and retailing. The business program provides a foundation for further study and is valuable for students interested in starting or enhancing their own business. The program provides students with an understanding of the operation of business in the American economic system.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- demonstrate utilization of a variety of prevailing Microsoft office applications accounting software.
- input and produce reports from business records.
- compose business letters and employment applications choosing the appropriate delivery means.

Program Requirements

Course #	Title	Units
Required Core Courses		
BUS-013A/B	Word for Windows I & II	3
BUS 055	Bookkeeping	3
BUS 074	Computerized Accounting	3
BUS 020	Introduction to Business	3
BUS 024	Business Mathematics	3
BUS 028	Business Communication	3
CIS 007	Computer Concepts	3
CIS 034	Introduction to Spreadsheets	3
	Total	**24**

For Gainful Employment information please visit:

https://www.westhillscollege.com/lemoore/degrees-and-certificates/gainful-employment/busbook-l-ccd.html

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2	
CIS-007	3	BUS 074	3
BUS 055	3	BUS 028	3
BUS-013A & 013B	3	BUS 024	3
CIS 034	3	BUS 020	3
	12	WE-015XX or BUS-015XX	1
			13

Business Information Worker(BIW)

Business Information Worker(BIW) Certificate of Achievement

The Business Information Worker (BIW) Certificate guides students toward successful employment in business and government. The BIW certificate of achievement for office workers, developed in conjunction with local employers, provides students with a broad range of entry-level office skills and applications which promote success in a variety of office environments. With a solid foundation in Microsoft Windows and Office as well as strong digital and web literacy skills, the Business Information Worker brings efficiency and productivity to the workplace. Completion of the Business Information Worker pathway also brings indispensable critical thinking, problem solving, and interpersonal skills to the workplace. Students who complete the certificate will be ready for the workforce and the certificate provides a stepping stone to continue their education and complete an A.S. in Business or an AS-T in Business Administration.

Program Student Learning Outcomes

Upon completion of the program, student will be able to:

- demonstrate accurate text and data entry using a standard keyboard and/or numeric keypad at expected entry-level occupation production rate.
- organize correspondence and locate business documents by applying the 12 alphabetic and numeric filing rules.
- compose complex business letters, reports and employment applications choosing the appropriate delivery means.
- demonstrate utilization of basic information systems and a variety of prevailing Microsoft Office applications such as Microsoft Word, Microsoft Excel, and Microsoft Outlook.
- demonstrate proficiency in business communications and human relations/customer service.

Course #	Title	Units
Required Core Courses		
BUS 002	Introductory Keyboarding	3
BUS 003	Intermediate Keyboarding	3
BUS 013A	Word for Windows I	1.5
BUS 013B	Word for Windows II	1.5
BUS 015X	Occupational Work Experience	1 - 8
or WE 015XX	General Work Experience	1 - 6
BUS 028	Business Communication	3
BUS 035	Human Resources Management	3
BUS 067	Filing and Records Management	2
CIS 007	Computer Concepts	3
CIS 008	Microcomputer Operating Environment	1
CIS 034	Introduction to Spreadsheets	3
	Total	**25**

For Gainful Employment information please visit:
https://www.westhillscollege.com/lemoore/degrees-and-certificates/gainful-employment/businfoworker-l-ccd.html

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2	
CIS 007	3	BUS 067	2
CIS 008	1	BUS 003	3
BUS 002	3	BUS 028	3
BUS-013A & 013B	3	BUS 035	3
CIS 034	3	WE-015XX or BUS-015XX	1

Business Management

Business Management AS and Certificate of Achievement

The Business Program of study prepares the student for entry level positions in areas such as bookkeeping, management and retailing. The business program provides a foundation for further study and is valuable for students interested in starting or enhancing their own business. The program provides students with an understanding of the operation of business in the American economic system.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- demonstrate utilization of a variety of prevailing Microsoft office applications and accounting software.
- input and produce reports from business records.
- identify the basic elements of a contract and assess a contract's validity.
- compose business letters and employment applications choosing the appropriate delivery means.
- assess business situations from an owner's/manager's prospective including basic employment laws.

Associate Degree Requirements:

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete Local General Education and District requirements
- Complete elective units for total of 60 degree applicable semester units
- Complete all required courses for the major or area of emphasis, English, and math with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
BUS 001A	Beginning Principles of Accounting	4
BUS 001B	Elementary Principles of Accounting	4
BUS-013A/B	Word for Windows I & II	3
BUS 018	Business Law	4
BUS 020	Introduction to Business	3
BUS 024	Business Mathematics	3
BUS 028	Business Communication	3
BUS 032	Small Business Management	3
BUS 035	Human Resources Management	3
CIS 007	Computer Concepts	3
CIS 034	Introduction to Spreadsheets	3
	Total	**36**

For Gainful Employment information please visit:
https://www.westhillscollege.com/lemoore/degrees-and-certificates/gainful-employment/busman-l-ccd.html

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

AS Degree Track:

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
ENG 001A	3	AREA C	3	BUS 001A	4	BUS 001B	4
MATH 063	5	AREA D	3	BUS 018	4	BUS 028	3
BUS 020	3	CIS 007	3	BUS 032	3	BUS 035	3
HE 035	3	BUS-013A and 013B	3	CIS 034	3	AREA B	3
PE ACTIVITY	1	BUS 024	3	AREA B	3	PE ACTIVITY	1
15		**15**		**17**		**14**	

Certificate of Achievement Track:

SEMESTER 1		SEMESTER 2		SEMESTER 3	
BUS 020	3	BUS 001A	4	BUS 001B	4
BUS-013A and 013B	3	BUS 024	3	BUS 018	4
CIS 007	3	BUS 028	3	BUS 032	3
CIS 034	3	BUS 035	3		**11**
	12		**13**		

Business - Retail Business Management

Retail Business Management Certificate of Achievement

The Business Program of study prepares the student for entry level positions in areas such as bookkeeping, management and retailing. The business program provides a foundation for further study and is valuable for students interested in starting or enhancing their own business. The program provides students with an understanding of the operation of business in the American economic system.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- demonstrate utilization of a variety of prevailing Microsoft office applications and accounting software.
- input and produce reports from business records.
- identify the basic elements of a contract and assess a contract's validity.
- compose business letters and employment applications choosing the appropriate delivery means.
- assess business situations from an owner's/manager's prospective including basic employment laws.

Course #	Title	Units
Required Core Courses		
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
Electives	BUS 013A/B, CIS 008, 042, ECON 001A/B, OR PHIL 003	3
	Total	**25-26**

For Gainful Employment information please visit:

https://www.westhillscollege.com/lemoore/degrees-and-certificates/gainful-employment/busretman-l-ccd.html

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2	
BUS 020	3	BUS-001A or 055	4
BUS 032	3	BUS 035	3
BUS 018	4	BUS 028	3
CIS 007	3	BUS ELECTIVE	3
	13		**13**

Business - Entrepreneurship

Business - Entrepreneurship Local Certificate

The Entrepreneurship local certificate prepares students to start, run, and manage a new or existing business and addresses basic issues potential entrepreneur's encounter. This certificate identifies methods for developing an individual's business idea(s), its feasibility, the process of starting a business, how to acquire necessary resources, and the key parts of a business plan (development and execution). Students will develop an understanding of legal issues, marketing, financing, entrepreneurial resources, and complex tasks faced by individuals engaged in entrepreneurial activities.

Course #	Title	Units
Required Core Courses		
BUS 007	Introduction to Entrepreneursh Introduction to Entrepreneurship	3
BUS 032	Small Business Management	3
CIS 002G	Introduction to E-Commerce	3
	Total	**9**

This is a **recommended sequence** *of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1

BUS 007	3
BUS 032	3
CIS 002G	3
	9

Business Office Technologies

Business Office Technologies AA

The Business Office Technologies program offers a variety of certificates and an AA degree program that guide students toward successful employment in business and government.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- demonstrate accurate text and data entry using a standard keyboard and/or numeric keypad at expected entry-level occupation production rate.
- organize correspondence and locate business documents by applying the 12 alphabetic and numeric filing rules.
- compose complex business letters, reports and employment applications choosing the appropriate delivery means.
- demonstrate utilization of a variety of prevailing Microsoft office applications.
- assess business situations from a manger's prospective.

Associate Degree Requirements:

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete Local General Education and District requirements
- Complete elective units for total of 60 degree applicable semester units
- Complete all required courses for the major or area of emphasis, English, and math with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
BUS 002	Introductory Keyboarding	3
BUS 003	Intermediate Keyboarding	3
BUS 013A	Word for Windows I	1.5
BUS 013B	Word for Windows II	1.5
BUS 020	Introduction to Business	3
BUS 050	Employability Skills	1
BUS 052	10-KEY Mastery	1
BUS 067	Filing and Records Management	2
CIS 008	Microcomputer Operating Environment	1
CIS 021	Desktop Publishing	3
CIS 034	Introduction to Spreadsheets	3
Electives	BUS 001A, 015X, 018, 024, 035, 055, CIS 007, 019B	3
Total		**29**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and is math required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
ENG 001A	3	BUS 003	3	CIS 008	1	BUS 028	3
MATH 063	5	BUS-013A and 013B	3	CIS-021	3	BUS 067	2
BUS 002	3	BUS-050	1	CIS 034	3	BUS ELECTIVE	3
BUS-052	3	HE 035	3	AREA B	3	ELECTIVE 001-049	6
IS 001	3	AREA D	3	AREA C	3		**14**
	15	PE ACTIVITY	2	BUS-020	3		
			15		**16**		

Child Development - Early Childhood Education

Child Development - Early Childhood Education AS-T

The Associate in Science in Early Childhood Education for Transfer degree curriculum is designed to provide the opportunity to achieve a broad-based associate degree and a seamless transfer into the CSU system to complete a baccalaureate degree in Early Childhood Education. While a baccalaureate degree is recommended preparation for those considering professional careers in this field, the completion of this program will demonstrate commitment to the field, and provide comprehensive preparation for upper division work. Upon completion of this degree, students will be prepared to enter careers such as teaching, pre- school/child care operation, community service, social services, and government.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- comprehensive knowledge and will be able to identify, analyze and/or evaluate typical and atypical growth and development of young children.
- comprehensive knowledge of nutrition, health and safety issues and prevention strategies pertaining to young children.
- the ability to plan, create, implement and/or evaluate age-appropriate curriculum, while developing the ability to produce written observations and/or assessments.
- the ability to identify and work with diverse families and recognize socialization issues pertaining to children.
- knowledge of and have the ability to identify effective methods of working with diverse people.

Associate Degree for Transfer requirements (pursuant to SB 1440):

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete IGETC or CSU General Education – Breadth requirements
- Complete total of 60 CSU transferable semester units
- Complete all required courses for the major or area of emphasis with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
CD 002	Teaching in a Diverse Society	3
CD 003	Observations and Assessment	3
CD 005	Child Development	3
CD 010	Child, Family and Society	3
CD 012A	Principles & Practices of Ece	3
CD 012B	Principles and Practices of Ece Field Wo Early Childhood Practicum-Field Exp	3
CD 016	Introduction to Curriculum	3
CD 018	Health, Safety and Nutrition	3
	Total	24
	IGETC/CSU-GE Breadth	37-39
	Electives as Needed	0-2
	Total	**60**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
CD-018	3	CD 005	3	CD 002	3	CD 003	3
COM-001 or 004	3	CD 010	3	CD 012A	3	CD 012B	3

ENG 001A 3	CD 016 3	AREA A3................. 3	BIO-010 or 015............ 3
AREA C1................. 3	MATH 025 4	AREA B1................. 4	AREA C1/2............... 3
IS 001 3	POLSCI 001 3	AREA C2................. 3	HIST-017A or 017B....... 3
15	**16**	**16**	**15**

Child Development

Child Development AA

The West Hills College Lemoore 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 educational/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

Upon completion of the program, students will be able to:

- comprehensive knowledge and will be able to identify, analyze and/or evaluate typical and atypical growth and development of young children.
- comprehensive knowledge of nutrition, health and safety issues and prevention strategies pertaining to young children.
- the ability to plan, create, implement and/or evaluate age-appropriate curriculum, while developing the ability to produce written observations and/or assessments.
- the ability to identify and work with diverse families and recognize socialization issues pertaining to children.
- knowledge of and have the ability to identify effective methods of working with diverse people.

Associate Degree Requirements:

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete Local General Education and District requirements
- Complete elective units for total of 60 degree applicable semester units
- Complete all required courses for the major or area of emphasis, English, and math with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
CD 002	Teaching in a Diverse Society	3
CD 003	Observations and Assessment	3
* CD 005	Child Development	3
* CD 010	Child, Family and Society	3
* CD 012A	Principles & Practices of Ece	3
CD 012B	Principles and Practices of Ece Field Wo Early Childhood Practicum-Field Exp	3
CD 016	Introduction to Curriculum	3
CD 018	Health, Safety and Nutrition	3
Electives	CD 004, 007, 008, 009, 011, 015, 017A, 017B, 017C, 020, 021, 022, or 023	6
	Total	**30**

As marked, these California state mandated core classes are required in order to teach in California and for the Child Development Permit.

For Gainful Employment information please visit:
https://www.westhillscollege.com/lemoore/degrees-and-certificates/gainful-employment/cd-teacher-l-ccd.html

*This is a **recommended sequence** of courses for timely completion of this degree program. Entry in to transfer level English and math required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

AA Degree Track:

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4

CD 005 3	CD 012A 3	CD 002 3	CD 003 3
CD 010 3	CD 018 3	CD 016 3	CD 012B 3
ENG 001A 3	AREA C.................. 3	AREA B.................. 3	CD ELECTIVE............ 6
MATH 063 5	HE 035 3	ELECTIVE 001-049....... 6	PE ACTIVITY............ 1
IS 001 3	PE ACTIVITY........... 1	**15**	ELECTIVE 001-049....... 2
17	**13**		**15**

Child Development Certificate of Achievement

Certificate of Achievement Track:

SEMESTER 1		SEMESTER 2	
CD 002 3		CD 003 3	
CD 005 3		CD 012B 3	
CD 010 3		CD 018 3	
CD 012A 3		CD ELECTIVES.. 6	
CD 016 3		**15**	
15			

Child Development Permits

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.

Child Development Assistant Teacher Local Certificates

Course #	Title	Units
A choice of 6 units from the following course list		
CD 002	Teaching in a Diverse Society	3
CD 003	Observations and Assessment	3
CD 004	Parenting	3
CD 005	Child Development	3
CD 007	Early Intervention	3
CD 010	Child, Family and Society	3
CD 011	Young Children With Exceptional Needs	3
CD 012A	Principles & Practices of Ece	3
CD 012B	Principles and Practices of Ece Field Wo Early Childhood Practicum-Field Exp	3
CD 015	Children's Literature and Language Arts	3
CD 016	Introduction to Curriculum	3
CD 017A	Sex Ed for Parents & Teachers of Young C	1
CD 017B	Child Abuse Recognition & Prevention	1
CD 017C	Single Parenting	1
CD 018	Health, Safety and Nutrition	3
CD 020	Behavioral Mgmt in the Early Childhood C	2
CD 021	Infant & Toddler Caregiving	3
CD 023	Domestic Violence Recognition & Prevent.	1
	Total	**6**

*This is a **recommended sequence** of courses for timely completion of this certificate program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1

	Units
CD-005 or CD OPTIONS	3
CD-010 or CD OPTIONS	3
	6

Child Development Associate Teacher Local Certificates

Course #	Title	Units
Required Core Courses		
CD 005	Child Development	3
CD 010	Child, Family and Society	3
CD 012A	Principles & Practices of Ece	3
Electives	Select from Assistant Teacher Course List	3
	Total	**12**

*This is a **recommended sequence** of courses for timely completion of this certificate program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1

CD 005 3
CD 010 3
CD 012A 3
CD ELECTIVE.. 3
                                                                                                                               12

Communication Studies

Communication Studies AA-T

The Associate in Arts in Communication Studies for Transfer degree is designed to provide the opportunity to achieve an associate degree in the student's area of specialization. The Associate in Arts in Communication Studies for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Communication Studies or similar degree. While a baccalaureate degree is recommended preparation for those considering professional careers in teaching, marketing, broadcasting, or mass communication, the completion of this program will demonstrate commitment to the field, and provide comprehensive preparation for upper division work.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- demonstrate basic public speaking delivery techniques.
- solve problems utilizing effective conflict management styles, decision making, and leadership.
- understand and utilize the interdependent nature of verbal and nonverbal communication in the communication transactional process.
- demonstrate effective argumentation by formulating written and/or oral arguments that are free of errors in reasoning.
- perform a variety of verbal and nonverbal skills to bring literature to life and heighten the effectiveness of the performer's message.

Associate Degree for Transfer requirements (pursuant to SB 1440):

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete IGETC or CSU General Education – Breadth requirements
- Complete total of 60 CSU transferable semester units
- Complete all required courses for the major or area of emphasis with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
COM 001	Elements of Speech	3
COM 002	Oral Interpretation of Literature	3
COM 003	Argumentation and Debate	3
COM 004	Small Group Dynamics and Presentation	3
COM 005	Interpersonal Communication	3
Chose on course from below: 3 units		
ENG 001B	Literature/ Critical Thinking & Writing	3
PSYCH 001	Introductory Psychology	3
SOC 001	Introduction to Sociology	3
	Total	18
	CSU-GE-B or IGETC requirements (allowing double counting)	37-39
	CSU Transferable Electives	9-15
	Total	**60**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4
COM-001 ... 3	COM 005 ... 3	COM 003 ... 3	COM-002 ... 3
ENG 001A ... 3	MATH 025 ... 4	COM 004 ... 3	AREA B1 ... 4
IS 001 ... 3	HIST-017A or 017B ... 3	BIO-010 or 015 ... 3	ELECTIVE 001-049 ... 3
AREA C1 ...	PSYC-01 or SOC-01 ... 3	AREA C1/2 ... 3	

POLSCI 001 3   AREA C2................ 3   ELECTIVE 001-049....... 7   **14**
15   **16**   **15**

CIS – Computer Information Systems

Computer Information Systems AA and AS

The Computer Information Systems Program at West Hills College Lemoore teaches concepts, procedures and terminology as well as the skills and applications necessary to operate computers and network systems.

Program Student Learning Outcomes

Upon completion of the program, student will be able to:

- demonstrate an understanding of four primary applications in the Microsoft Office Suite
- demonstrate an understanding of the keystroke required to complete the cutting, copying, and pasting of data from one type of documents into another documents.
- identify the basic HTML tags required to create a simple Web page. Students were given a basic coding assignment in which correct coding syntax was stressed in accordance with HTML, CSS and JavaScript standards.
- develop and complete ecommerce site or business plan.
- demonstrate an understanding of seven phases of the system development life cycle

Associate Degree Requirements:

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete Local General Education and District requirements
- Complete elective units for total of 60 degree applicable semester units
- Complete all required courses for the major or area of emphasis, English, and math with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
BUS-013A/B....	Word for Windows I & II	3
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	3
	Total	**18**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
ENG 001A	3	BUS-013A/B	3	CIS 007	3	CIS 019B	3
MATH 063	5	BUS 024	3	CIS 034	3	AREA B or ELECTIVE	
BUS 020	3	AREA C	3	AREA B	3	001-049	4
IS 001	3	AREA D	3	ELECTIVE 001-049	6	ELECTIVE 001-049	6
HS-035		ELECTIVE 001-049	3		**15**	PE ACTIVITY	2
	17		**15**				**13**

CIS - Introduction to Programming

CIS - Introduction to Programming Certificate of Achievement

The explosion of the internet in recent years has created a new demand for web programmers or web designers. These are people who have design skills specifically used for web design. In addition to being able to build websites, a web specialist must also be a master of communication - both in the visual and verbal arenas. The web specialist must know HTML, CSS, JavaScript, JAVA, server side scripting languages such as PHP/MySQL and other related web programming languages, which they will use to convert the everyday print documents that are used format he most basic communication level to the most advanced communication level with the inclusion of images and other multi-media formats to communicate their messages into a web-friendly format.

Program Student Learning Outcomes

Upon completion of the program, student will be able to:

- Demonstrate competency in the use of common HTML code.
- Demonstrate competency using FTP to transfer web pages to a server.
- Construct pages that meet guidelines for efficient download.
- Construct pages that meet the needs of an identified audience.
- Construct efficient file structure for web sites.
- Demonstrate proficiency in the use of a WYSIWYG design software.
- Evaluate the functions of specific types of web pages in relationship to an entire web site.
- Design electronic text and web pages that include the standard textual components needed on web pages.
- Create web pages that meet accessibility needs of those with physical disabilities.
- Understand how CSS will affect web page creation.
- Understand the role of JavaScript in web page creation.
- Modify CSS and JavaScript for use on a web site.
- Understand the function of copyright in relationship to web design and coding.
- Utilize graphic design to enhance web pages.

Course #	Title	Units
Required Core Courses		
CIS 002	Internet Progamming Html/Css	3
CIS 002B	Internet Programming - Css	3
CIS 002C	Internet Programming- Script Languages	3
CIS 002D	Intro to Programming Concepts & Metholog	3
CIS 002F	Internet Server Side Scripting	3
WE 015XX	General Work Experience	1 - 6
CIS-015XX	Occupational Work Experience	1 - 3
	Total	**16-18**

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2	
CIS 002	3	CIS 002C	3
CIS 002B	3	CIS 002D	3
	6	CIS 002F	3
		WE-015XX or CIS-015XX	1-3
			10

CIS - Networking Fundamentals

CIS - Networking Fundamentals Certificate of Achievement

Networking fundamentals explains computer networking basics in terms that can be easily understood, using concepts common to everyday, no-computing experience. A brief introduction to networking history provides context, explaining how networks have become so important to businesses and individuals. The certificates emphasizes networking fundamentals, explaining the software and hardware that makes networking possible. The certificate stresses understanding how and why networks work, rather than focusing on memorization of terms or numbers. Upon completion of the certificate, students will perform basic computer networks tasks, such as DSL connectivity or configuring connections to an Internet service provider. This certificate gives student the foundation needed to begin training for the CCNA (Cisco Certified Network Administrator) Certification or employment in a computer networking career.

Program Student Learning Outcomes

Upon completion of the program, student will be able to:

- Take the CompTIA Network+ certification exam.
- Configure networking on systems and workstations.
- Understand and setup TCP/IP networks and subnets.
- Maintain physical and wireless network connections and equipment.

Course #	Title	Units
Required Core Courses		
CIS 005A	Info & Communication Tech Essentials	4
CIS 005B	Computer Network Fundamentals	3
CIS 005C	Routing & Switching Essentials	3
CIS 005D	System & Network Administration	3
CIS 042	System Analysis and Design	3
WE 015XX	General Work Experience	1 - 6
or CIS -015XX	Occupational Work Experience	1 - 3
Total		**17-19**

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2	
CIS 005A	4	CIS 005C	3
CIS 005B	3	CIS 005D	3
CIS 042	3	WE-015XX or CIS-015XX	1
	10		**7**

CIS - Web Active Scripting

CIS - Web Active Scripting Local Certificate

Scripting generally refers to the class of computer programs on the web that are executed client-side, by the user's web browser, instead of server-side (on the web server). This type of computer programming is an important part of the active scripting concept, enabling web pages to be scripted; that is, to have different and changing content depending on user input, environmental conditions (such as the time of day), or other variables. This enables authors to create compelling and powerful web content. This specification covers extensions to HTML and HTML5 needed for client-side scripting, but leaves out the architectural and application programming interface issues for how scripting engines are implemented and how they communicate with the document and other objects on the same page. Languages which may be used are CSS, CSS3, JavaScript, JScript, VBscript, Hypertext Preprocessor Protocol (PHP), Perl, Active Server Pages (ASP and ASP.Net), Asynchronous JavaScript and XML (AJAX) and Simple Object Access Protocol (SOAP).

Course #	Title	Units
Required Core Courses		
CIS 002	Internet Progamming Html/Css	3
CIS 002C	Internet Programming- Script Languages	3
CIS 002F	Internet Server Side Scripting	3
	Total	**9**

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1

CIS 002	3
CIS 002C	3
CIS 002F	3
	9

CIS - Web Business Management

CIS - Web Business Management Local Certificate

This certificate examines the main issues involved in designing successful Internet and small business services. This module is designed around the idea that electronic commerce systems are new communication channels between entities. The e-commerce systems are then classified from the communication perspective, depending on what kind of entities it communicates and therefore defining what the main user requirements are. This area of study provides a student with an introduction to small business management and e-commerce.

Course #	Title	Units
Required Core Courses		
BUS 032	Small Business Management	3
CIS 002G	Introduction to E-Commerce	3
	Total	**6**

This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.

SEMESTER 1

BUS-032	3
CIS 002G	3
	6

CIS - Web Designer

CIS - Web Designer Local Certificate

A Web designer is an information technology professional. Web designers are responsible for designing the graphics and overall layout of the pages of a website. In addition to having a keen understanding of computer science, web designers are unique in the fact that in order to perform their jobs effectively, they must also be artistically inclined. They may work within the IT department of an organization, for a graphic design firm or as an independent contractor.

Course #	Title	Units
Required Core Courses		
CIS 002	Internet Progamming Html/Css	3
CIS 002B	Internet Programming - Css	3
CIS 002H	Internet Graphics	3
or CIS-002E	Web Design & Interactive Media	3
	Total	**9**

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1

CIS 002	3
CIS 002B	3
CIS 002H	3
	9

Elementary Teacher Education

Elementary Teacher Education AA-T

The Associate in Arts in Elementary Teacher Education for Transfer degree is designed to provide the opportunity to achieve an associate degree in the student's area of specialization. Upon completion of the degree requirement, students will begin preparation for careers such as teaching, operating a daycare, social work, and school administration. The Associate in Arts in Elementary Teacher Education for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Elementary Teacher Education or similar major.

Program Learning Outcomes

Upon completion of the program, student will be able to:

- compose a formal, argumentative MLA-style research paper that shows an understanding of the writing process, technical correctness, and higher level critical thinking skills.
- 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).
- provide a college-level in-class written analysis of authors' content and style.
- develop and teach a standards-based lesson in an authentic educational setting that will include intention/rationale, process, assessment, and reflection.
- demonstrate basic public speaking delivery techniques.

Associate Degree for Transfer requirements (pursuant to SB 1440):

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete IGETC or CSU General Education – Breadth requirements
- Complete total of 60 CSU transferable semester units
- Complete all required courses for the major or area of emphasis with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
BIO 015	Biology for Education	3
CD 005	Child Development	3
CIS 007	Computer Concepts	3
COM 001	Elements of Speech	3
EDUC 001	Introduction to Teaching	3
ENG 001A	Composition and Reading	3
ENG 001B	Literature/ Critical Thinking & Writing	3
ESCI 002	Introduction to Earth Science	4
GEOG 002	World Regional Geography	3
HIST 017A	History of the U.S. 1492-1877	3
HIST 020	World History I	3
LING 011	Introduction to Linguistics	3
MATH 010A	Structure & Concepts in Mathematics I	3
MATH 010B	Structure & Concepts in Mathematics II	3
PHYSCI 002	Chemistry and Physics for Educators	4
POLSCI 001	American Government	3
List A: Chose one course from below, 3 units		
EDUC 005	Critical Thinking in the Classroom	3
SOC 002	Critical Thinking and Social Problems	3
List B: Chose one course from below, 3 units		
ART 042	Art Appreciation	3
MUS 042	Music Appreciation	3
PA 001	Introduction to Theater	3
	Total	56
	CSU Transferable Electives	5
	Total	**60**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4
ENG 001A 3	EDUC-005/SOC-002 3	ART/MUS-002, PA-001 ... 3	ENG 001B 3
MATH 010A 3	MATH 010B 3	PHYSCI 002 4	GEOG 002 3
EDUC 001 3	COM 001 3	HIST 020 3	LING 011 3
CIS 007 3	HIST 017A 3	POLSCI 001 3	BIO 015 3
IS 001 3	ESCI 002 4	CD 005 3	Elective 001-049 1
15	**16**	**16**	**13**

EMT - Paramedic

EMT - Paramedic AS and Certificate of Achievement

The Paramedic Program is a comprehensive lecture, lab and field training program to produce competent, entry level paramedics to serve in career and volunteer positions in the Central San Joaquin Valley. Our Paramedic Program meets and exceeds regulations in the California Code of Regulations Title 22, Division 9, Chapter 4. This program meets all the objectives of the United States Department of Transportation's 1998 Emergency Medical Technician-Paramedic National Standard Curriculum as well as the 2009 National Emergency Medical Services Education Standards for Paramedics.

Graduates will earn a Certificate of Achievement and be eligible to sit for certification by the National Registry of Emergency Medical Technicians. This program also meets the major requirements for an Associate Degree in EMT-Paramedic when required GE courses are completed.

Program Learning Student Outcomes

Upon completion of the program, students will be able to:

- demonstrate a complete pre-hospital patient assessment and management of a trauma and medical patient.
- demonstrate a complete pre-hospital patient assessment and management of a cardiac arrest patient.
- demonstrate a complete pre-hospital patient assessment and management of a patient with an acute respiratory compromise.
- demonstrate a complete pre-hospital patient assessment and management of a patient with an acute neurological compromise.
- demonstrate a complete pre-hospital patient assessment and management of a pediatric patient in acute distress.

Associate Degree Requirements:

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete Local General Education and District requirements - **specific to paramedic program**
- Area D - PSYCH 001, 002, SOC 001, or 002
- HE 035 waiver, **if applicable**
- Complete elective units for total of 60 degree applicable semester units
- Complete all required courses for the major or area of emphasis, English, and math with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
First Semester		
EMT 010	Paramedic I	12
EMT 011	Paramedic I Lab	1.5
EMT 051	Advanced Cardiac Life Support	0.5
Second Semester		
EMT 012	Advanced Paramedic II	11.5
EMT 013	Advanced Paramedi II Lab	1.5
Third Semester		
EMT 014	Acute Clinical Lab	3
EMT 015	Paramedic Field Experience	9
	Total	12
	Total Units	**39**

For Gainful Employment information please visit:
https://www.westhillscollege.com/lemoore/degrees-and-certificates/gainful-employment/emt-l-ccd.html

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		**SEMESTER 2**	
ENG 001A	3	BIO 032	4
MATH 063	5	BIO 035	4
EMT 050	6.5	AREA C	3
PE ACTIVITY	1	PSYCH-001, 002, SOC-001, 001, or 002	3
	15.5	PE ACTIVITY	1
			15

SEMESTER 1		**SEMESTER 2**		**SEMESTER 3**		**SEMESTER 4**	
EMT 010	12	EMT 012	11.5	EMT 014	3	EMT-015X	9
EMT 011	1.5	EMT 013	1.5		**3**		**9**
EMT 051	0.5		**13**				
	14						

Engineering

Engineering AS

Engineers analyze, design, build, test and perfect our environment by applying science and math to practical applications. Students with an interest in engineering can earn an associate degree and develop knowledge and skills necessary to transfer to a four-year degree program. This program is designed to satisfy core requirements for many engineering transfer majors. In addition to the traditional branches of civil, mechanical, electrical, computer and chemical engineering, more specific disciplines have evolved such as biomedical, aerospace, petroleum and agricultural engineering. The engineering field is innovative, challenging and growing each year.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- apply basic problem solving techniques to identify the useful information provided, make proper simplifications, apply basic physics and engineering theories, solve for the solution and interpret the results.
- design an experimental method, predict results using appropriate scientific and mathematics theory, perform the experiment and collect data while minimizing sources of error, present results with graphical and mathematical support, complete thorough error analysis and interpret experimental results in comparison with theoretical predictions.
- demonstrate efficient use of computer tools such as basic work processing and spreadsheet programs, graphing and computer data acquisition programs and computer aided design software. They will also have fundamental knowledge of computer programming languages, algorithm development and be able to write, compile and run programs from scratch for problem solving.
- explain scientific theory verbally through presentation techniques and in writing through formal written reports, using scientific, mathematical and analytical skills.

Associate Degree Requirements:

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete Local General Education and District requirements
- Complete elective units for total of 60 degree applicable semester units
- Complete all required courses for the major or area of emphasis, English, and math with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
CHEM 001A	General Chemistry I	5
ENGR 010	Introduction to Engineering	1
ENGR 015	Engineering Computations	3
ENGR 020	Engineering Graphics	3
ENGR 025	Electrical Circuits	3
ENGR 031	Engineering Materials	3
ENGR 035	Vector Statics	3
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 & Waves	4
	Total	**47**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4
MATH 001A 5	MATH 001B 5	MATH 002A 4	MATH 002B 4
CHEM 001A 5	PHYSICS 004A 4	PHYSICS 004B 4	PHYSICS 004C 4
ENGR 010 1	ENGR 015 3	ENGR 035 3	ENGR 025 3
ENGR 020 3	ENG 001B 3	ECON 001A 3	ENGR 031 3
ENG 001A 3	**15**	HE 035 3	PE ACTIVITY............ 2
17		**17**	**16**

Geography

Geography AA-T

The Associate in Arts in Geography for Transfer degree is designed to provide students with an understanding of the major aspects of the atmosphere, hydrosphere, lithosphere, and biosphere and how these realms relate to, and interact with the development and functioning of human cultural patterns. The courses have a strong real-world focus. This knowledge will be helpful in the student's upper-division course work. While a baccalaureate degree is recommended preparation for those considering professional careers in this field, the completion of this suggested program will demonstrate commitment to the field, and provide comprehensive preparation for upper division work. The Associate in Arts in Geography for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Geography or similar major.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- define and demonstrate understanding of terms and concepts used during the courses
- describe and explain Geographic patterns as they related to the courses
- describe and analyze maps relative to physical/cultural people and places
- demonstrate and understanding of geographical factors as they relate to physical and cultural diversity around the world
- demonstrate an understanding of human/environment interactions and consequences of these interactions

Associate Degree for Transfer requirements (pursuant to SB 1440):

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete IGETC or CSU General Education – Breadth requirements
- Complete total of 60 CSU transferable semester units
- Complete all required courses for the major or area of emphasis with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
GEOG 001	Physical Geography	4
GEOG 002	World Regional Geography	3
GEOG 003	Cultural Geography	3
GEOG 018	Geography of California	3
GEOL 001	Physical Geology With Lab	4
Choose 2 of the following		
GEOG 010	Los Angeles Urban Geography Field Course	1
GEOG 011	Death Valley Geography Field Course	1
GEOG 012	Grand Canyon Geography Field Course	1
GEOG 013	San Francisco Urban Geography Field Cour	1
	Total	19
	CSU-GE-B or IGETC requirements (allowing double counting)	37-39
	CSU Transferable Electives	12-14
	Total	**60**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
COM-001/004		AREA A3	3	GEOL 001	4	GEOG 002	3
ENG 001A	3	GEOG 001	4	HIST-017A/B	3	GEOG-010/011	1
IS 001	3	GEOG-018	3	BIO-010/015	3	POLSCI 001	3
GEOG 003	3	AREA-C1	3	GEOG-012/013	1	Elective 001-049	7

MATH 025 4   Elective 001-049........... 3   Area E..................... 3   **14**

16   **16**   **14**

Geography AA

The Associate Degree in Geography is designed to provide the West Hills College Lemoore transfer student with those lower division courses that can be applied to geography major or minor at the upper division level.

The program consists of 24 units that fit primarily Social, but also Physical Science majors. Geography's overall integration of the Social and Physical Sciences causes it to be applicable at the Associate, Bachelor, or Master's level to a number of careers including regional and urban planning, teaching, remote sensing intelligence and interpretation, real estate, cartography, plus environmental engineering and management.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- define and demonstrate understanding of terms and concepts used during the courses
- describe and explain Geographic patterns as they related to the courses
- describe and analyze maps relative to physical/cultural people and places
- demonstrate and understanding of geographical factors as they relate to physical and cultural diversity around the world
- demonstrate an understanding of human/environment interactions and consequences of these interactions

Associate Degree Requirements:

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete Local General Education and District requirements
- Complete elective units for total of 60 degree applicable semester units
- Complete all required courses for the major or area of emphasis, English, and math with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
GOEG-001	Physical Geography with Lab	4
GEOG 002	World Regional Geography	3
GEOG 003	Cultural Geography	3
GEOG 018	Geography of California	3
GEOG 010	Los Angeles Urban Geography Field Course	1
GEOG 011	Death Valley Geography Field Course	1
GEOG 012	Grand Canyon Geography Field Course	1
GEOG 013	San Francisco Urban Geography Field Cour	1
GEOG 016	Regional Field Studies	1
GEOL 001	Physical Geology With Lab	4
	Total	**60**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
ENG 001A	3	GEOG-018	3	GEOG 001	4	GEOG 001	4
MATH 063	5	GEOG 002	3	GEOG 003	3	GEOG 016	1
IS 001	3	GEOG-010	1	GEOG 013	1	GEOG 011	1
GEOG 003	3	HE 035	3	Elective 001-049	6	Elective 001-049	6
GEOG 012	1	Elective 001-049	5		**14**	PE ACTIVITY	2
	16		**15**				**16**

Geology

Geology AS-T

The Associate in Science in Geology for Transfer degree trains individuals in the physical aspects and history of the earth. Geologists, in general, are analytical, curious, able to work as a team, and are required to communicate effectively. The Associate in Science in Geology for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Geology or similar major.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- define and demonstrate understanding of terms and concepts used during the courses
- describe and explain Geographic patterns as they related to the courses
- describe and analyze maps relative to physical/cultural people and places
- demonstrate and understanding of geographical factors as they relate to physical and cultural diversity around the world
- demonstrate an understanding of human/environment interactions and consequences of these interactions

Associate Degree for Transfer requirements (pursuant to SB 1440):

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete IGETC or CSU General Education – Breadth requirements
- Complete total of 60 CSU transferable semester units
- Complete all required courses for the major or area of emphasis with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
GEOL 001	Physical Geology With Lab	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	28
	CSU-GE-B or IGETC requirements (allowing double counting)	37-39
	CSU Transferable Electives	0-2
	Total	**60**

This is a recommended sequence of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning. Recommended completion of MATH 015 prior to starting program pathway.

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
GEOL 001	4	GEOL 003	4	CHEM 001A	5	CHEM 001B	5
ENG 001A	3	MATH 001B	5	POLSCI 001	3	HIST-017A/B	3
COM-001/004	3	ENG 001B	3	Area C1	3	Area D	3
MATH 001A	5	Area E	3	Area C2	3	Area C1/2	3
	15		**15**	BIO 010	3		**16**
					17		

Geology AA and AS

Geology trains individuals in the physical aspects and history of the earth. These individuals are then able to locate natural resources such as petroleum and minerals and work in laboratories. They also advise construction companies and government agencies. Some administer and manage research and exploration programs; others work in environmental research. Geologists also work in related fields such as drafting, engineering technology, petroleum engineering, surveying, and science teaching. Geologists, in general, are analytical, curious, able to work as a team, and are required to communicate effectively.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- evaluate the structure of the Earth's interior, including physical and chemical forces, and the data that support this understanding.
- evaluate the various methods for determining geologic time scale.
- demonstrate proficiency in calculations to interpret chemical systems
- employ sophisticated problem solving techniques to identify the useful information provided, choose a strategy for solving the problem, demonstrate proficiency in arriving at a solution, test the solution, and interpret the results as they relate to appropriate physics concepts

Associate Degree Requirements:

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete Local General Education and District requirements
- Complete elective units for total of 60 degree applicable semester units
- Complete all required courses for the major or area of emphasis, English, and math with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
GEOL 001	Physical Geology With Lab	4
GEOL 003	Historical Geology	4
Choose from 10 Units of the following courses:		
CHEM 001A	General Chemistry I	5
CHEM 001B	General Chemistry II	5
CHEM 002A	Introductory Chemistry I	4
PHYSICS 002A	Mechanics and Thermodynamics	4
PHYSICS 002B	Elect., Mag., Optics & Modern Physics	4
PHYSICS 004A	Classical Mechanics	4
PHYSICS 004B	Electricity, Magnetism & Waves	4
PHYSICS 004C	Thermodynamics,optics and Modern Physics	4
	Total	**60**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
ENG 001A	3	GEOL 001	4	CHEM 001A	5	CHEM-001B	5
MATH 063	5	Area C	3	GEOL 003	4	ELECTIVE 001-049	10
IS 001	3	Area D	3	ELECTIVE 001-049	6		**15**
HE 035	3	Elective 001-049	4		**15**		
PE ACTIVITY	1	PE ACTIVITY	1				
	15		**15**				

Health Science

Health Science AS

The Health Science 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

Upon completion of the program, students will be able to:

- recognize and identify key structures in critical biological systems such as the nervous, muscular, and cardiovascular systems.
- understand the functions of key bodily systems and how they operate in a coordinated manner with other systems to maintain systemic homeostasis.
- identify the differences in cell wall structures and basic microbial metabolic processes as they relate to health of a human being.
- demonstrate the critical thinking skills, quantitative analysis methods, and chemical specific terminology for chemical training used in medicine.
- understand the interrelationships between the six basic types of nutrients, healthy dietary habits, and how they pertain to normal digestive functioning.

Associate Degree Requirements:

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete Local General Education and District requirements
- Complete elective units for total of 60 degree applicable semester units
- Complete all required courses for the major or area of emphasis, English, and math with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
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 I	4
NUT 001	Basic Nutrition	3
	Total	**19-20**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
ENG 001A	3	BIO 032	4	BIO 035	4	BIO 038	4
MATH 063	5	NUT 001	3	CHEM 002A	4	COM-001 or 004	3
IS 001	3	IS 001	3	PSYCH 001	3	ELECTIVE 001-049	7
HE 035	3	AREA C	3	SOC-001 or 002	3	PE ACTIVITY	1
PE ACTIVITY	1	ELECTIVE 001-049	6		**14**		**15**
	15		**16**				

History

History AA-T

The Associate in Arts in History (AA-T) curriculum is designed to provide the opportunity to achieve an associate degree in the student's area of specialization. Upon completion of the degree requirement, students will begin preparation for careers such as teaching, human services, journalism, politics, public relations, business, and public administration. While a baccalaureate degree is recommended preparation for those considering professional careers in this field, the completion of this suggested program will demonstrate commitment to the field, and provide comprehensive preparation for upper division work.

Associate Degree for Transfer requirements (pursuant to SB 1440):

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete IGETC or CSU General Education – Breadth requirements
- Complete total of 60 CSU transferable semester units
- Complete all required courses for the major or area of emphasis with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
HIST 017A	History of the U.S. 1492-1877	3
HIST 017B	History of the U.S. 1865-PRESENT	3
List A: Choose any two of the following courses		
HIST 020	World History I	3
HIST 004A	Western Civilization to 1700	3
HIST 021	World History II	3
HIST 004B	Western Civilization From 1700	3
List B: Choose two courses (6 units): One from each group		
Group 1		
* HIST 020	World History I	3
* HIST 021	World History II	3
HIST 032	Cultural History of the Chican	3
HIST 034	Hist of African Americans in the Us	3
HIST 044	Women's Roles in United States History	3
Group 2		
GEOG 003	Cultural Geography	3
HUM 001	Introduction to Western Culture	3
HUM 022	Introduction to Comparative Religion	3
POLSCI 002	Comparative Government	3
POLSCI 004	Introduction to International Relations	3
	Total	18
	CSU-GE or IGETC requirements	37-39
	Electives (must be transferable to CSU)	15-17
	Total	**60**

* = cannot have been used in List A

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
ENG 001A	3	HIST 017A	3	HIST LIST A	3	HIST LIST A	3
MATH 025	4	HIST 017B	3	GEOG 001	4	HIST LIST B2	3
HIST LIST B1	3	POLSCI 001	3	COM-001/004	3	FLSPN 001	4
IS 001	3	BIO-010/015	3	SOC 002	3	ELECTIVE 001-049	6

Hospitality, Restaurant and Casino Management

Hotel Restaurant and Casino Management (HRCM) AA

This industry specific program is intended to prepare the student to work in the unique environment of a hospitality organization. Combining general hospitality course with industry specific classes, the student will be prepared for an entry-level position or advancement within the company to an entry-level supervisory position in addition to acquiring skill that is utilized in hotel, restaurant, or casino organizations. Courses taken to satisfy these AA degree and/or certificates requirements come from both the Hotel, Restaurant and Casino Management (HRCM) and Business/ Computer Information Systems (CIS) departments.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- give examples of the correct processes and procedures to manage food service operations based on the guidelines and policies of safety and for safe food systems.
- apply knowledge and demonstrate proficient ability to handle and operate production kitchen tools and equipment with ease and safety.
- learn through evaluation to judge the quality in completed food preparation fundamentals, methods, and techniques based on their time efficiency, adequacy, value, procedures, esthetics, structure, and taste.
- identify parts, relationships, and organizational principals to the production of cuisine or the relation to.
- recognize specific terms, concepts, and formulas to calculate measurements and conversions.

Associate Degree Requirements:

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete Local General Education and District requirements
- Complete 60 degree applicable semester units
- Complete all required courses for the major or area of emphasis, English, and math with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
HRCM 067	Orientation to Hospitality Operations	1
HRCM-062A-D.	Guest Relations and Customer Service	2
RM 061	Culinary Theory and Fundamentals	3
RM 063	Culinary Concepts	3
RM 064	Cuisine's of the World	3
RM 010	Introduction to Food Service Operations	3
RM 011	Food and Beverage Service	3
RM 012	Food and Beverage Cost	3
HRCM 001	Introduction to Hospitality	3
HRCM 003	Hospitality Marketing	3
HRCM 004	Supervision and Leadership in Hospitalit	3
HRCM-005	Hospitality Accounting	3
HRCM-015XX	Occupational Work Experience	3
Elective	CIS 007	3
	Total	**39**

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4
ENG 001A 3	AREA C.................. 3	AREA B.................. 3	AREA D................. 3

MATH 063 5	HE 035 3	RM 064 3	RM-012. 3
HRCM-001. 3	HRCM-062A/B/C/D. 2	RM 011 3	HRCM-004. 3
HRCM-067. 1	RM 061 3	HRCM-001. 3	HRCM-005. 3
RM 010 3	RM 063 3	HRCM 003 3	HRCM-015X. 3
15	CIS 007 3	**15**	PE ACTIVITY. 2
	17		**17**

HRCM - Culinary: Chef Apprentice

HRCM - Culinary Chef Apprentice Certificate of Achievement

The Culinary Arts program offers the opportunity to achieve various certificates to students in becoming well-trained culinary professional. Our programs are rooted in providing individualized, hands-on training and having the concept of quality education, quality service and the commitment in preparing individuals for positions within the industry.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- generalize the essential skills required to support the performance of positions within the culinary kitchen, and restaurant management
- investigate and analyze customer service, and legal topics within the restaurant industry
- review, recognize, and convert any standardized recipe
- develop basic principles of nutrition, dietetics, and food and beverage composition
- recognize and demonstrate the requirements for proper sanitation in the foodservice industry.

Course #	Title	Units
Required Core Courses		
CUL 006	Culinary Excursions	1
CUL 051	Restaurant Math	1
CUL 052	Introduction to Commercial Baking	3
CUL 054	Hospitality Laws and Regulations	2
CUL 055	Intro to Commercial Food Preparation	3
CUL 056	Garde Managers	1
CUL 057	Beverage Management	3
CUL 058	Intro to Dining RoomService & Mgmt.	2
CUL 059	Intro to Hopitality Careers & Human Rela	3
CUL 060	Nutrition for Chefs	1
CUl-061	Kitchen Management	3
CUL 064	Restaurant Desserts	3
HRCM 015X	Occupational Work Experience	1 - 8
Electives	RM 011, RM 061, RM 063, RM 064, RM 065, RM 066	6.5
	Total	**35.5**

For Gainful Employment information please visit:

https://www.westhillscollege.com/lemoore/degrees-and-certificates/gainful-employment/rm-chef-l-ccd.html

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2	
CUL 055	3	CUL 051	1
CUL 057	3	CUL 054	2
CUL-061		CUL-056 and 060	3
CUL 006	1	HRCM-015X	3
CUL 052	3	RM Electives	6.5
CUL-058 and CUL-059	5		**17.5**
	18		

HRCM - Culinary: Culinary and Baking Arts

HRCM - Culinary Culinary and Baking Arts Local Certificate

Course #	Title	Units
Required Core Courses		
CUL 050	Safety and Sanitation	1
CUL 051	Restaurant Math	1
CUL 052	Introduction to Commercial Baking	3
CUL 053	Advanced Commercial Baking	3
CUL 055	Intro to Commercial Food Preparation	3
CUL 056	Garde Managers	1
CUL 060	Nutrition for Chefs	1
HRCM 015X	Occupational Work Experience	1 - 8
	Total	**16**

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2	
CUL-061	3	CUL 051	1
CUL-052	3	CUL 053	3
CUL-055	3	CUL 056	1
	9	CUL 060	1
		HRCM 015X	1 - 8
			9

HRCM - Culinary: Pastry and Baking Arts

HRCM - Culinary Pastry and Baking Arts Local Certificate

Course #	Title	Units
Required Core Courses		
CUL 050	Safety and Sanitation	1
CUL 051	Restaurant Math	1
CUL 052	Introduction to Commercial Baking	3
CUL 053	Advanced Commercial Baking	3
CUL 060	Nutrition for Chefs	1
CUL 064	Restaurant Desserts	3
HRCM 015X	Occupational Work Experience	1 - 8
	Total	**15-16**

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2	
CUL-061	3	CUL 051	1
CUL-052	3	CUL 053	3
	6	CUL 060	1
		CUL 064	3
		HRCM-015X	3
			11

HRCM - HM: Hotel Management

HRCM - HM Hotel Management Certificate of Achievement

This industry specific program is intended to prepare the student to work in the unique environment of a hospitality organization. Combining general hospitality course with industry specific classes, the student will be prepared for an entry-level position or advancement within the company to an entry-level supervisory position in addition to acquiring skill that is utilized in hotel, restaurant, or casino organizations

Course #	Title	Units
Required Core Courses		
HRCM 067	Orientation to Hospitality Operations	1
HRCM-062A-D.	Guest Relations & Customer Service...	2
HM 064	Maintenance Management	3
HM 010	Introduction to Hotel Management	3
HM 011	Hotel Design, Planning and Development	3
HM-012..........	Hotel and Motel Management & Operations...	
CIS 007	Computer Concepts	3
Electives.........	HM 065, -066, HRCM 015XX...	3
	Total	**21**

For Gainful Employment information please visit:
https://www.westhillscollege.com/lemoore/degrees-and-certificates/gainful-employment/hrcm-hm-l-ccd.html

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2	
HRCM-067...	1	HM 010	3
HRCM-062A/B/C/D......................................	3	HM 011	3
HM 064	3	HM-012...	
HRCM ELECTIVE.......................................	3	CIS 007	3
	9		**12**

HRCM - HM: Hotel Skills

HRCM - HM Hotel Skills Local Certificate

Course #	Title	Units
Required Core Courses		
HRCM 067	Orientation to Hospitality Operations	1
HRCM-062A-D	Guest Relations & Customer Service	3
HM 064	Maintenance Management	3
Electives	HM 065, 066, HRCM 015XX	3
	Total	**9**

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1

HRCM-067	1
HRCM-062A/B/C/D	2
RM-064	3
HRCM ELECTIVE	3
	9

HRCM - RM: Restaurant Management

HRCM - RM Restaurant Management Certificate of Achievement

The Culinary Arts program offers the opportunity to achieve various certificates to students in becoming well-trained culinary professional. Our programs are rooted in providing individualized, hands-on training and having the concept of quality education, quality service and the commitment in preparing individuals for positions within the industry.

Course #	Title	Units
Required Core Courses		
HRCM 067	Orientation to Hospitality Operations	1
HRCM-062A-D	Guest Relations and Customer Service	2
RM 061	Culinary Theory and Fundamentals	3
RM 063	Culinary Concepts	3
RM 064	Cuisine's of the World	3
RM 010	Introduction to Food Service Operations	3
RM 011	Food and Beverage Service	3
RM 012	Food and Beverage Cost	3
CIS 007	Computer Concepts	3
Electives	HM 065, 066, HRCM 015XX	3
	Total	**27**

For Gainful Employment information please visit:
https://www.westhillscollege.com/lemoore/degrees-and-certificates/gainful-employment/hrcm-rm-l-ccd.html

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2	
HRCM-067	1	RM 061	3
HRCM-062A/B/C/D	2	RM 064	3
RM 010	3	RM-012	3
RM 011	3	CIS 007	3
RM 063	3	HRCM ELECTIVE	3
	12		**15**

HRCM - RM: Restaurant Skills

HRCM - RM Restaurant Skills Local Certificate

Course #	Title	Units
Required Core Courses		
HRCM 067	Orientation to Hospitality Operations	1
HRCM-062A-D.	Guest Relations and Customer Service...	2
RM 061	Culinary Theory and Fundamentals	3
RM 063	Culinary Concepts	3
RM 064	Cuisine's of the World	3
Electives.........	HM 065, 066, HRCM 015XX...	3
	Total	**15**

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1

HRCM-067..	1
HRCM-062A-D..	2
RM 061	3
RM 063	3
RM 064	3
Electives..	3
	15

HRCM - RM: Dining Room Service and Management

HRCM - RM Dining Room Service and Management Local Certificate

Course #	Title	Units
Required Core Courses		
CUL 050	Safety and Sanitation	1
CUL 051	Restaurant Math	1
CUL 058	Intro to Dining RoomService & Mgmt.	2
CUL 059	Intro to Hopitality Careers & Human Rela	3
CUL 065	Dining Romm Service & Management II	3
HRCM-015XX	Occupational Work Experience Education	3
	Total	**13**

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1

CUL-061	
CUl-051	1
CUL 058	2
CUL 059	3
CUL 065	3
HRCM 015X	1 - 8
	15

HRCM - RM: Bartender and Beverage Management

HRCM - RM Bartender and Beverage Management Local Certificate

Course #	Title	Units
Required Core Courses		
CUL 002	Food & Wine Pairing	3
CUL 050	Safety and Sanitation	1
CUL 057	Beverage Management	3
CUL 066	Mixology	1.5
	Total	**8.5**

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1

CUL 002	3
CUL-061	
CUL 057	3
CUL 066	1.5
	10.5

HRCM - RM: Mixologist

HRCM - RM Mixologist Local Certificate

Course #	Title	Units
Required Core Courses		
CUL 050	Safety and Sanitation	1
CUL 066	Mixology	1.5
	Total	**2.5**

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1

CUL-061	
CUL-066	1.5
	4.5

Human Services

The Human Services Certificate Program prepares students for direct service in human service agencies including public, private, or nonprofit organizations, with an opportunity for further studies leading to an advanced degree. "Human Services" is a term used to include all the professional disciplines that share a common goal of serving people. Certificates in this program will prepare students for employment in agencies, schools, businesses, and centers that value paraprofessionals who bring to the job a combination of college course work and human services field experience.

Human Services Local Certificate

The Human Services Certificate prepares students for entry-level or paraprofessional employment in the helping professions as programmatic and/or administrative support.

Course #	Title	Units
Required Core Courses		
COM 005	Interpersonal Communication	3
PSYCH 001	Introductory Psychology	3
SOC 002	Critical Thinking and Social Problems	3
SOC 005	Cultural Sociology	3
SOC 010	Sociological Practice	3
WE 015XX	General Work Experience	1 - 6
	Total	**16-17**

Human Services - Eligibility Worker

Human Services - Eligibility Worker Local Certificate

The Eligibility Worker Certificate trains students in interviewing, gathering, and managing information necessary to determine qualifying services of individuals served by public and nonprofit organizations. The certificate emphasizes core courses in communication skills necessary to explain eligibility requirements and program details, exhibit care and concern, and show respect for an applicant's need for privacy and confidentiality.

Course #	Title	Units
Required Core Courses		
CIS 007	Computer Concepts	3
CD 017B	Child Abuse Recognition & Prevention	1
CD 023	Domestic Violence Recognition & Prevent.	1
COM 005	Interpersonal Communication	3
SOC 005	Cultural Sociology	3
SOC 006	Drugs and Society	3
SW 021	Eligibility and Case Management	3
	Total	**16**

Human Services – Mental Health Aide

Human Services – Mental Health Aide Local Certificate

The Mental Health Aide Certificate prepares students for direct service in mental health service delivery, administrative support, or advocacy. The curriculum prepares students for employment as mental health aides, group residence workers, neighborhood outreach workers, social casework assistants, and other similar positions within the mental health field.

Course #	Title	Units
Required Core Courses		
COM 005	Interpersonal Communication	3
PSYCH 002	Abnormal Psychology	3
SOC 005	Cultural Sociology	3
SOC 007	Sociology of Mental Health	3
SW 021	Eligibility and Case Management	3
SW-022	Individual and Group Support	2
	Total	**17**

Human Services - Social Work Assistant

Human Services - Social Work Assistant Local Certificate

The Social Work Assistant Certificate trains individuals presently employed or individuals looking for paraprofessional or entry-level employment serving children, youth, and families. The curriculum prepares students for employment as social work assistants, case worker aids, family support workers, and other similar positions within the social services field.

Course #	Title	Units
Required Core Courses		
CIS 007	Computer Concepts	3
CD 010	Child, Family and Society	3
CD 017B	Child Abuse Recognition & Prevention	1
CD 023	Domestic Violence Recognition & Prevent.	1
SW 020	Introduction to Social Welfare	3
SW 021	Eligibility and Case Management	3
SW-022	Individual and Group Support	3
	Total	**16**

Human Services - Substance Abuse Specialist

Human Services - Substance Abuse Specialist Local Certificate

The Substance Abuse Specialist Certificate is designed for students interested in working in the field of chemical dependency. Completion of the program will broaden a student's understanding and assist in preparation needed to enter the paraprofessional field of alcoholism and drug abuse prevention and treatment.

Course #	Title	Units
Required Core Courses		
COM 005	Interpersonal Communication	3
SOC 005	Cultural Sociology	3
SOC 006	Drugs and Society	3
SW 021	Eligibility and Case Management	3
SW-022	Individual and Group Support	3
SW-023	Substance Abuse Counseling	
	Total	**17**

Human Services - Youth Worker

Human Services - Youth Worker Local Certificate

The Youth Worker Certificate trains students in an effort to support the professional development of people who work with youth, ages 12 and up. Students receive a background in the principles and practices of service to children and adolescents, including dependent, delinquent, and special needs youth. Courses address topics such as adolescent growth and behavior, family and youth services, and family and community systems.

Course #	Title	Units
Required Core Courses		
AOJ 032	Juvenile Delinquency	3
CD 005	Child Development	3
CD 017B	Child Abuse Recognition & Prevention	1
SOC 005	Cultural Sociology	3
SOC 006	Drugs and Society	3
SW 021	Eligibility and Case Management	3
	Total	**15**

Kinesiology

Kinesiology AA-T

The Kinesiology curriculum is designed to provide the opportunity to achieve an associate degree in the student's area of specialization. While a baccalaureate degree is recommended preparation for those considering professional careers in this field, the completion of this suggested program will demonstrate commitment to the field, and provide comprehensive preparation for upper division work.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- demonstrate knowledge of major muscle groups and joint movements as they pertain to common demonstrations of human performance.
- demonstrate the proper technique for performing exercises essential to improving general fitness levels.
- understand the connection between proper nutrition and improved athletic performance.
- understand and demonstrate how healthy mental functioning impacts athletic performance.
- select and implement field tests necessary for fitness assessment.

Associate Degree for Transfer requirements (pursuant to SB 1440):

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete IGETC or CSU General Education – Breadth requirements
- Complete total of 60 CSU transferable semester units
- Complete all required courses for the major or area of emphasis with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
KINES 001	Introduction to Kinesiology	3
BIO 032	Human Anatomy	4
BIO 035	Human Physiology	4
	PE Activity Course Select any three courses from list: PE 002, 011, 016, 023, 025A	3
Choose 8-9 Units from below		
MATH 025	Introduction to Statistics	4
PHYS-002A	Mechanics & Thermodynamics	4
	Total	22
	CSU-GE-B or IGETC requirements (allowing double counting)	37-39
	CSU Transferable Electives	0-1
	Total	**60**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
ENG 001A	3	ENG 001B	3	PHYSICS 002A	4	Area C1/2	3
COM-001/004	3	MATH 025	4	POLSCI 001	3	HIST-017A/B	3
KINES 001	3	BIO 035	4	Area C1	3	Area D	3
BIO 032	4	Area E	3	Area C2	3	PE025A	1
PE-002 or 011	1	PE-016/023	1	Elective 001-049	3	Elective 001-049	5
14		**15**		**16**		**15**	

Kinesiology AA

The Kinesiology curriculum is designed to provide the opportunity to achieve an associate degree in the student's area of specialization, while a baccalaureate degree is recommended preparation for those considering professional careers in this field, the completion of this suggested program will demonstrate commitment to the field and provide comprehensive preparation for upper division work.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- demonstrate knowledge of major muscle groups and joint movements as they pertain to common demonstrations of human performance.
- demonstrate the proper technique for performing exercises essential to improving general fitness levels.
- understand the connection between proper nutrition and improved athletic performance.
- understand and demonstrate how healthy mental functioning impacts athletic performance.
- select and implement field tests necessary for fitness assessment.

Associate Degree Requirements:

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete Local General Education and District requirements
- Complete elective units for total of 60 degree applicable semester units
- Complete all required courses for the major or area of emphasis, English, and math with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
BIO 032	Human Anatomy	4
BIO 035	Human Physiology	4
NUT 001	Basic Nutrition	3
or HE 035	Personal Health and Hygiene	3
KINES 002	Intro to Sport & Exercise Psychology	3
or PSYCH 029	Introductio to Sport & Exercise Psycholo	3
KINES 001	Introduction to Kinesiology	3
PE	**(Activity Courses)**	2
Total		**19**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
ENG 001A	3	BIO 032	4	BIO 035	4	Elective 001-049	15
MATH 063	5	KINES-002/PSYCH-029	3	PE ACTIVITY	1		**15**
KINES 001	3	Area C	3	NUT 001	3		
IS 001	3	Area D	3	Elective 001-049	6		
PE ACTIVITY	1	HE 035	3		**14**		
	15	Elective 001-049	3				
			16				

Liberal Arts Emphasis in Arts and Humanities

Liberal Arts Emphasis in Arts and Humanities AA

The Liberal Arts with an Emphasis in Arts and Humanities Associate Degree program is designed to provide the transfer Arts and/or Humanities student the opportunity to earn an associate degree with specialization in areas of the student's choice. The program provides introductory lower-division work in the Arts and Humanities. These courses emphasize the study of cultural, literary, humanistic activities and artistic expression of human beings throughout history. Students will evaluate and interpret the ways in which people, through the ages in different cultures, have responded to themselves and the world around them in artistic and cultural creation. Students will also learn to value aesthetic understanding and incorporates these concepts when constructing value judgments. Students should consult the catalog of their intended transfer university for any local requirements, in addition to those earned through this degree and contact a West Hills College Lemoore counselor for further information or assistance.

Program Student Learning Outcomes

Upon completion of the program, student will be able to:

- articulate knowledge about various cultural, literary, humanistic activities, and artistic expression of human beings throughout history.
- demonstrate an understanding of the ways in which people, through the ages in different cultures, have responded to themselves and the world around them in artistic and cultural creation.
- demonstrate an understanding of aesthetics and be capable of incorporating these concepts when constructing value judgments.
- Student will be able to demonstrate an understanding of how historical context has influenced the development of various achievements in western culture, including religion, art, literature, drama, music, architecture and philosophy.

Required Coursework:

Choose 18 units from the following: (at least one course must from the Arts (Art, Music, Theater) and one course must be from the Humanities (Literature, Philosophy, Foreign Languages) category.

Arts:

Course #	Title	Units
Required Core Courses		
ART 005A	Basic Drawing	3
ART-013A	Introduction to Ceramic Design	3
ART 016A	Survey of Western Art: Pre-History	3
ART 016B	Survey of Western Art: Renaissance	3
ART 042	Art Appreciation	3
MUS 042	Music Appreciation	3
PA 001	Introduction to Theater	3
PA 003	Film Appreciation	3

Humanities:

Course #	Title	Units
Required Core Courses		
ASL 001	Intro. to American Sign Language-Leve 1	4
ASL 002	Intermediate American Sign Language L 2	4
ENG 001B	Literature/ Critical Thinking & Writing	3
FLSPN 001	Introductory Span for Non-Native Speake	4
FLSPN 002	Elementary Spanish for Non-Native Speake	4
FLSPN 003	Intermediate Spanish	4
FLSPN 004	Advanced Spanish	4
FLSPN-011	Introduction to Spanish for the Limitedly Bilingual	4
FLSPN-012	Elementary Spanish for the Limitedly Bilingual	4
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
PHIL 001	Introduction to Philosophy	3
PHIL 002	Introduction to Logic	3
PHIL 003	Ethics	3

Liberal Arts - Elementary Teacher Preparation

Liberal Arts Emphasis in Elementary Teacher Preparation AA

The Liberal Arts Degree with an Emphasis in Elementary Teacher Preparation, is designed for students who are interested in transferring to a university and completing a Liberal Arts or Liberal Studies degree and continuing on to earn a multiple subject teaching credential.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- compose a formal, argumentative MLA-style research paper that shows an understanding of the writing process, technical correctness, and higher level critical thinking skills.
- 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).
- provide a college-level in-class written analysis of authors' content and style.
- develop and teach a standards-based lesson in an authentic educational setting that will include intention/ rationale, process, assessment, and reflection.
- demonstrate basic public speaking delivery techniques.

Required Coursework

The students must complete 24 units from the list of required coursework. The courses designated by a (*) are considered preparation for a CSU.

Course #	Title	Units
Required Core Courses		
ENG 001A	Composition and Reading	3
COM 001	Elements of Speech	3
EDUC 001	Introduction to Teaching	3
* EDUC 005	Critical Thinking in the Classroom	3
or ENG 001B	Literature/ Critical Thinking & Writing	3
ART 016A	Survey of Western Art: Pre-History	3
or ART 016B	Survey of Western Art: Renaissance	3
or ART 042	Art Appreciation	3
or MUS 042	Music Appreciation	3
POLSCI 001	American Government	3
HUM 001	Introduction to Western Culture	3
* MATH 010A	Structure & Concepts in Mathematics I	3
or MATH 025	Introduction to Statistics	4
* BIO 015	Biology for Education	3
or BIO 010	Fundamentals of Biology	3
* HIST 017A	History of the U.S. 1492-1877	3
or HIST 017B	History of the U.S. 1865-PRESENT	3
* PHYSCI 002	Chemistry and Physics for Educators	4
or GEOG 001	Physical Geography	4
Total		**24-26**

This is a recommended sequence of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.

SEMESTER 1		SEMESTER 2	
ENG 001A	3	MATH-010A/025	3

MATH 063 5

EDUC 001 3

IS 001 3

14

COM-001.. 3

EDUC-005 or ENG-001B................................ 3

ART-016A/B/042/MUS-042.............................. 3

POLSCI-001... 3

15

SEMESTER 3

BIO-010/015... 3

HIST-017A/B.. 3

HUM 001 3

HE 035 3

Elective 001-049.. 3

15

SEMESTER 4

PHYSCI-002/GEOG-001................................. 4

Elective 001-049... 10

PE ACTIVITY... 2

16

Liberal Arts - Math and Science

Liberal Arts Emphasis in Math and Science AA

The Liberal Arts with an Emphasis in Math and Science degree provides an area of emphasis for students that wish to develop a broad knowledge base while focusing on core mathematics and scientific skills useful for their intended transfer major. Natural science courses examine the physical universe, including its life forms, structure and natural phenomena that govern the universe. Mathematics course emphasize the development of mathematical and quantitative reasoning skills beyond the level of intermediate algebra, developing a quantitative framework for analysis of scientific principles. Students will gain comprehension of the integrated nature of mathematics and the sciences and will be able to execute experimental methods, assessment and interpretation of scientific phenomena.

Transfer majors appropriate for this area of emphasis include, but are not limited to: Biochemistry, Biology, Biotechnology, Chemistry, Earth Science, Ecology, Genetics, Geology, Geosciences, Health Science, Natural Science, Physical Science, Physics, Physiology and pre-professional majors including Pre-Dental, Pre-Medical, Pre-Physical Therapy and Pre-Veterinary. Students should consult the catalog of their intended transfer university for any local requirements in addition to those earned through this degree and contact a West Hills College Lemoore counselor for further information or assistance.

Program Student Learning Outcomes

Upon completion of the program, student will be able to:

- identify and describe the structures and functions of living organisms.
- identify the composition of matter and types of energy.
- use mathematics to understand and interpret the world around them.
- perform quantitative analysis on sampled data.

Required Coursework

Choose 18 units from the following: (at least 1 course must be from mathematics course (MATH) and 1 course must be from science courses (BIO, CHEM, GEOL, GEOG, PHYSCI, PHYSICS)

Course #	Title	Units
Required Core Courses		
MATH 001A ...	Introduction to Calculus	5
MATH 001B ...	Calculus With Applications	5
MATH 002A ...	Multivariate Calculus	4
MATH 002B ...	Differential Equations	4
MATH 003A ...	Linear Algebra I	4
MATH 015	Precalculus	5
MATH 025	Introduction to Statistics	4
MATH 045	Contemporary Math	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 001A ...	General Chemistry I	5
CHEM 001B ...	General Chemistry II	5
CHEM 002A ...	Introductory Chemistry I	4
GEOG 001	Physical Geography	4
GEOL 001	Physical Geology With Lab	4
GEOL 003	Historical Geology	4
PHYSCI 001	Survey of the Physical Sciences	4
PHYSICS 002A	Mechanics and Thermodynamics	4
PHYSICS 002B	Elect., Mag., Optics & Modern Physics	4
PHYSICS 004B	Electricity, Magnetism & Waves	4
PHYSICS 004B	Electricity, Magnetism & Waves	4
PHYSICS 004C	Thermodynamics,optics and Modern Physics	4

Special Note: A student may receive credit for either BIO 010 or BIO 015, either CHEM 001A or CHEM 002A either PHYSCS 002A or PHYSICS 004A, either PHYSICS 002B or PHYSICS 004B

Liberal Arts - Social Science

Liberal Arts Emphasis in Social Science AA

The Liberal Arts with an Emphasis in Social Science degree program is designed to provide the Social Science student the opportunity to earn an associate degree with specialization of the student's choice. The program provides introductory lower-division work in the Social Sciences. The area of emphasis is made up of 18 units in the fields of Economics, Ethnic Studies, Geography, History, Political Science, Psychology and Sociology. The program prepares students to be enlightened citizens equipped with the broad cultural background essential to studies in the fields of education, philosophy, literature, law, government, journalism, public service and business; all of which today demand a grasp of vital domestic and foreign concerns. Students should consult the catalog of their intended transfer university for any local requirements in addition to those earned through this degree and contact a West Hills College Lemoore counselor for further information or assistance.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- recognize the various types of academic sources used within the Social Science discipline, including primary and secondary sources.
- analyze the legitimacy and validity of the various academic sources used within the Social Science discipline, including discerning facts from opinions, biases, the validity of data collection, and public opinion polls.

Required Coursework

Students may choose 18 units from among the following courses. A minimum of two disciplines must be represented (ex. Geography and History or Psychology and Sociology).

Course #	Title	Units
Required Core Courses		
AOJ 001	Introduction to Criminal Justice	3
AOJ 029	Criminology	3
CD 005	Child Development	3
ECON 001A	Macroeconomics	3
ECON 001B	Microeconomics	3
ES 036	Contemporary Native American Social Issu	3
GEOG 001	Physical Geography	4
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 U.S. 1492-1877	3
HIST 017B	History of the U.S. 1865-PRESENT	3
HIST 020	World History I	3
HIST 032	Cultural History of the Chican	3
HIST 034	Hist of African Americans in the Us	3
HIST 044	Women's Roles in United States History	3
POLSCI 001	American Government	3
POLSCI 002	Comparative Government	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
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 Welfare	3

Mathematics

Mathematics AS-T

The Associate in Science in Mathematics for Transfer (AS-T) allows for students to begin preparation for careers in quantitative professions such as actuarial science, education, computer programming, systems analysis and operations research analysis. In addition, a strong background in mathematics facilitates employment in fields such as engineering, economics, finance and genetics.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- produce, analyze and manipulate graphs of a function.
- correctly choose and apply a theorem or procedure to produce a result.
- solve an equation or a system of linear equations.
- use and or apply mathematical solutions to better understand the world around them.

Associate Degree for Transfer requirements (pursuant to SB 1440):

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete IGETC or CSU General Education – Breadth requirements
- Complete total of 60 CSU transferable semester units
- Complete all required courses for the major or area of emphasis with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
MATH 001A ...	Introduction to Calculus	5
MATH 001B ...	Calculus With Applications	5
MATH 002A ...	Multivariate Calculus	4

Choose a minimum of 2 courses from below with at least one course from List A and one from List B:

List A		
MATH 002B ...	Differential Equations	4
MATH 003A ...	Linear Algebra I	4
List B		
MATH 002B ...	Differential Equations	4
MATH 003A ...	Linear Algebra I	4
MATH 025	Introduction to Statistics	4
PHYSICS 004A	Classical Mechanics	4
	Total	22
	CSU-GE or IGETC requirements (allowing double counting)	34-39
	Electives (must be transferable to CSU)	0-4
	Total	**60**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning. Recommend completion of **MATH 015** prior to starting sequence.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
MATH 001A	5	MATH 001B	5	MATH 002A	4	MATH 002B	4
ENG 001A	3	ENG 001B	3	BIO-010/015	4	Area C1/2	3
COM-001/004	3	PHYS-004A	4	HIST-017A/B	3	POLSCI 001	3
Area C1	3	MATH 003A	4	PHYSC-004B	4	Area D	3
Area E	3		**16**	Area C2	3	PHYS-004C	4
	17				**17**		**17**

Nursing

Nursing AS (ADN)

The goal of the Associate of Science Degree in Nursing (ADN) program is to prepare students to meet the requirements for licensure as a Registered Nurse in California. The emphasis of the program will be on prioritization, leadership, organization, and delegation (PLOD). The study of nursing is a very complex one that requires mental and physical abilities to complete the tasks necessary to become a registered nurse. Two of the most essential tools are the Nursing Process and the Organizing Framework, around which curriculum is developed. The nursing process is a problem solving process that guides the method of thought and action. It is the thinking process used by registered nurses to care for the clients' response to their health care issues as well as to guide prevention and wellness activities.

The mission of the Associate of Science Degree in Nursing (ADN) program is to prepare entry-level registered nurses to be providers of care across the health/illness continuum and as members within the profession. The program respects the individuality of students and recognizes that each student has different educational, experiential, cultural, spiritual, socio-economic backgrounds, and a unique support system. The aim of the curriculum is to provide a positive, innovative learning model that fosters the development of critical thinking and problem solving skills so that the nursing graduate is equipped to deliver care to a diverse population in a variety of healthcare settings. Nursing graduates will collaborate with members of the health care team, effectively communicate, become politically aware, and committed to lifelong learning.

Program Prerequisites

- Successful completion BIO 032 (Human Anatomy) or equivalent
- Successful completion of BIO 035 (Human Physiology) or equivalent
- Successful completion of BIO 038 (Microbiology) or equivalent
- Successful completion of ENG 001A (Composition and Reading) or equivalent
- Minimum 18 years of age
- Healthcare provider background clearance
- Health screen clearance or equivalent
- Have current immunizations as required by partner clinical affiliates
- Current American Heart Association Basic Life Support certification
- Minimum of a cumulative and prerequisite grade point average of 2.5

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- Assist individuals to achieve optimal health utilizing the knowledge and skills gained from biological, social, and nursing sciences.
- Formulate a comprehensive plan of care using all components of the nursing process.
- Safely perform basic psychomotor skills in the delivery of care as a technically competent clinician.
- Integrate the role of professional nurse into clinical practice.
- Research and communicate to identify problems, initiate actions and evaluate outcomes for health promotion and maintenance.
- Apply psychological, social, and cultural knowledge to the nursing role.
- Support physiological well-being of individuals and families in the health care environment.
- Assume the role of advocate to improve health care delivery by communicating and acting according to the expressed needs of the individual.
- Manage the clinical environment through assessment, planning, intervention, and evaluation.
- Apply critical thinking skills to make judgments based on evidence (fact) rather than conjecture.
- Organize individuals or groups toward goal setting and goal achievement.
- Implement a comprehensive teaching plan to help individuals and families achieve optimal health.
- Understand that the culmination of the ADN program prepares for entry into practice.

- Realize the importance of continuing education and lifelong learning as a necessity of professional commitment to nursing.

Associate Degree Requirements:

Complete a minimum of 18 semester units in a major or area of emphasis

Complete Local General Education and District requirements - specific to the Nursing Program

- CHEM 002A
- PSYCH 001 or equivalent
- MATH 063 or equivalent or higher
- Select One: SOC 001 or SOC 002
- Select One: COM 001 or COM 004 or COM 005
- Humanities AREA C course- 3 units
- NUT 001 or equivalent
- A waiver for HE 035 (Personal Health and Hygiene) is given to students who successfully complete the first year of the ADN program.
- 2 units of Physical Education activity course required (PE 001-025) for students under 21 years of age

Complete all required courses for the major with a "C" or better

Course #	Title	Units
Required Core Courses		
NURS 001	Foundations of Nursing	2
NURS 001L	Foundations of Nursing Lab	2
NURS 002	Medical Surgical Nursing I	2
NURS 002L	Medical Surgical Nursing I Lab	2
NURS 003	Basic Pharmacology	3
NURS 004	Medical-Surgical Nursing II	2.5
NURS 004L	Medical-Surgical Nursing II Lab	2
NURS 005	Obstetrics-Materny Nursing	2
NURS 005L	Obstetrics-Maternity Nursing Lab	1.5
NURS 006	Advanced Pharmacology	2.5
NURS 007	Medical-Surgical Nursing III	2.5
NURS 007L	Medical-Surgical Nursing III Lab	1.5
NURS 008	Mental Health-Psychiatric Nursing	1.5
NURS 008L	Mental Health-Psychiatric Nursing Lab	1.5
NURS 009	Pediatric Nursing	1.5
NURS 009L	Pediatric Nursing Lab	2
NURS 010	Advanced Medical-Surgical Nursing IV	2.5
NURS 010L	Advanced Medical-Surgical Nursing IV Lab	4
NURS 011	Gerontology Community Nursing	1
NURS 011L	Gerontology Community Nursing Lab	1
NURS 014A	Foundations Learning Lab	2
NURS 014B	Pharmacology/Obstetrical Learning Lab	2
NURS 014C	Specialty Nursing Learning Lab	2
NURS 014D	Advanced Nursing Learning Lab	2
Total		**48.5**

*This is a **recommended sequence** of courses for timely completion of this program. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	
NURS-001/001L	4	NURS-004/004L	4.5	NURS-007/007L	4	NURS-010/010L	6.5
NURS-002/002L	4	NURS-005/005L	3.5	NURS-008/008L	3	NURS-011/011L	2
NURS 003	3	NURS 006	2.5	NURS-009/009L	3.5	NURS 014D	2
NURS 014A	2	NURS 014B	2	NURS 014C	2	**10.5**

13 12.5 12.5

Licensed Vocational Nurse to Registered Nurse

Licensed Vocational Nurse to Registered Nurse AS

The goal of the Licensed Vocational Nurse (LVN) to Associate of Science Degree in Nursing (ADN) program is to prepare students to meet the requirements for licensure as a Registered Nurse in California. The emphasis of the program will be on prioritization, leadership, organization, and delegation (PLOD). The study of nursing is a very complex one that requires mental and physical abilities to complete the tasks necessary to become a registered nurse. Two of the most essential tools are the Nursing Process and the Organizing Framework around which curriculum is developed. The nursing process is a problem solving process that guides the method of thought and action. It is the thinking process used by registered nurses to care for the clients' response to their health care issues as well as to guide prevention and wellness activities.

The mission of the Licensed Vocational Nurse (LVN) to Associate of Science Degree in Nursing (ADN) bridge program is to prepare LVNs as entry-level registered nurses to provide care across the health/illness continuum and as members within the profession. The program respects the individuality of students and recognizes that each student has different educational, experiential, cultural, spiritual, socio-economic backgrounds, and a unique support system. The aim of the curriculum is to provide a positive, innovative learning model that fosters the development of critical thinking and problem solving skills so that the nursing graduate is equipped to deliver care to a diverse population in a variety of healthcare settings. Nursing graduates will collaborate with members of the health care team, effectively communicate, become politically aware, and committed to lifelong learning.

Associate Degree Requirements:

- complete a minimum of 18 semester units in a major or area of emphasis
- complete local general education and district requirements - specific to nursing program
    - Area B - CHEM 002A
    - Area D - PSYCH 001 and SOC 001 or 002
    - HE 035 waiver, if applicable
    - Other: COM 001, 003, or 004 and NUT 001
- complete elective units for total of 60 degree applicable semester units
- complete all required courses for the major or area of emphasis, English, and math with a "C" or better
- obtain an overall minimum grade point average of 2.0

Program Prerequisites:

- BIO 032 Human Anatomy
- BIO 035 Human Physiology
- BIO 038 Microbiology
- ENG 001A Composition and Reading
- Valid LVN license
- Acceptance into the ADN Program with a minimum 2.5 GPA
- No less than C grade for Anatomy, Physiology, Microbiology and English 1A
- No more than one repetition for the above classes

Course #	Title	Units
Required Core Courses		
NURS 006	Advanced Pharmacology	2.5
NURS 012	Role Transition LVN to RN	2
NURS 014B	Pharmacology/Obstetrical Learning Lab	2
NURS 007	Medical-Surgical Nursing III	2.5
NURS 007L	Medical-Surgical Nursing III Lab	1.5
NURS 008	Mental Health-Psychiatric Nursing	1.5
NURS 008L	Mental Health-Psychiatric Nursing Lab	1.5
NURS 014C	Specialty Nursing Learning Lab	2
NURS 010	Advanced Medical-Surgical Nursing IV	2.5
NURS 010L	Advanced Medical-Surgical Nursing IV Lab	4
NURS 011	Gerontology Community Nursing	1
NURS 011L	Gerontology Community Nursing Lab	1
NURS 014D	Advanced Nursing Learning Lab	2
	Total	**27.5**

Licensed Vocational Nurse to Registered Nurse Cert. of Achievement

The goal of this 30 Unit Option Non-degree LVN to RN Program is to prepare the LVN to meet the requirements for licensure as a registered nurse in California only. The certificate of completion will allow the qualified candidate to sit for the RN NCLEX exam, but will not result in a degree. The student will not be considered a graduate of West Hills College Lemoore. The emphasis of the program will be on prioritization, leadership, organization and delegation (PLOD). The study of nursing is a very complex one that requires mental and physical abilities to complete the tasks necessary to become a registered nurse. Two of the most essential tools are the Nursing Process and the Organizing Framework around which curriculum is developed. The Nursing Process is a problem solving process that guides the method of though and action. It is the thinking process used by registered nurses to care for the clients' response to their health care issues as well as to guide prevention and wellness activities.

The mission of the accelerated 30 Unit Option Non-degree LVN to RN Program is to prepare the LVN to be a provider of care across the health/illness continuum and as members within the profession. The program respects the individuality of students and recognizes that each student has different educational, experiential, cultural, spiritual, economic and social backgrounds and a unique support system. The aim of the curriculum is to provide a positive, innovative learning model that fosters the development of critical thinking and problem solving skills so that the graduate nurse is equipped to deliver care to a culturally diverse population is a variety of healthcare settings. Graduate nurses will collaborate with members of the health care team, be effective communicators, be politically aware and demonstrate a commitment to lifelong learning.

Program Prerequisites:

- Current possession of valid California Licensed Vocational Nurse
- Biology 035 (Physiology) 4.0 units
- Biology 038 (Microbiology) 4.0 units
- Certificate of Completion in Nursing Courses

Course #	Title	Units
Required Core Courses		
Summer		
NURS 006	Advanced Pharmacology	2.5
NURS 012	Role Transition LVN to RN	2
NURS 012L	Role Transition LVN to RN Lab	1
NURS 014B	Pharmacology/Obstetrical Learning Lab	2
Third Semester: 18 weeks		
NURS 007	Medical-Surgical Nursing III	2.5
NURS 007L	Medical-Surgical Nursing III Lab	1.5
NURS 008	Mental Health-Psychiatric Nursing	1.5
NURS 008L	Mental Health-Psychiatric Nursing Lab	1.5
NURS 014C	Specialty Nursing Learning Lab	2
Fourth Semester: 18 weeks		
NURS 010	Advanced Medical-Surgical Nursing IV	2.5
NURS 010L	Advanced Medical-Surgical Nursing IV Lab	4
NURS 011	Gerontology Community Nursing	1
NURS 011L	Gerontology Community Nursing Lab	1
NURS-013	Leadership, Delegation & Management	2
NURS 014D	Advanced Nursing Learning Lab	2
	Total Program (excluding 8.0 units of prerequisites)	**29.5**

For Gainful Employment information please visit:
https://www.westhillscollege.com/lemoore/degrees-and-certificates/gainful-employment/rn-l-ccd.html

Physics

Physics AS-T

The Associate in Science degree in Physics for Transfer (AS-T) prepares students for transfer to a CSU baccalaureate program in physics by educating them in the fundamental concepts of mathematics and physics, developing analytical and quantitative reasoning skills, gaining comprehension of the integrated nature of mathematics and the sciences and executing experimental methods, assessment and interpretation of scientific phenomena.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- employ sophisticated problem solving techniques to identify the useful information provided, choose a strategy for solving the problem, demonstrate proficiency in arriving at a solution, test the solution, and interpret the results as they relate to appropriate physics concepts.
- design an experimental method, predict results using appropriate scientific and mathematics theory, perform the experiment and collect data while minimizing sources of error, express results with graphical and mathematical support, complete thorough error analysis, and interpret experimental results in comparison with theoretical predictions.
- demonstrate efficient use of computer tools such as graphing programs, spreadsheets and databases, and basic word processing. They will also have fundamental knowledge of computer programming languages, algorithm development, and be able to write, compile, and run programs from scratch for problem solving.
- explain scientific theory verbally through presentation techniques and in writing through formal written reports, using scientific, mathematical, and analytical skills.

Associate Degree for Transfer requirements (pursuant to SB 1440):

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete IGETC or CSU General Education – Breadth requirements
- Complete total of 60 CSU transferable semester units
- Complete all required courses for the major or area of emphasis with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
MATH 001A ...	Introduction to Calculus	5
MATH 001B ...	Calculus With Applications	5
MATH 002A ...	Multivariate Calculus	4
PHYSICS 004A	Classical Mechanics	4
PHYSCIS-004B.	Electricity, Magnetism & Waves	4
PHYSICS 004C	Thermodynamics,optics and Modern Physics	4
	Total	26
	CSU GE-B or IGETC requirements (allowing double counting)	34-39
	Electives (must be transferable to CSU)	0-4
	Total	**60**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning. Recommend completion of MATH 015 prior to starting sequence.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
MATH 001A	5	MATH 001B	5	MATH 002A	4	PHYSICS 004C	4
ENG 001A	3	PHYSICS 004A	4	PHYSICS 004B	4	HIST-017A/B.	3
COM-001/004.	3	ENG 001B	3	ECON 001A	3	POLSCI 001	3
BIO 010	3	Area C1.	3	Area C2.	3	Area C1/2.	3
	14		**15**		**15**	Area E.	3

Political Science

Political Science AA-T

The Associate in Arts in Political Science for Transfer degree is designed to provide the opportunity to achieve an associate degree in the student's area of specialization. The Associate in Arts in Political Science for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Political Science or similar major. While a baccalaureate degree is recommended preparation for those considering professional careers in this field, the completion of this program will demonstrate commitment to the field, and provide comprehensive preparation for upper division work. Upon completion of the Associate in Arts in Political Science for Transfer degree requirements, students will begin preparation for careers such as teaching, law, local, state, and federal government, and group advocacy.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- demonstrate the ability to research and write papers or essays without bias
- demonstrate an understanding of what is the purpose of government.
- demonstrate an understanding of how governments interact with each other.
- identify between the different ideologies within the united states and around the world.
- identify the different types of governments around the world.

Associate Degree for Transfer requirements (pursuant to SB 1440):

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete IGETC or CSU General Education – Breadth requirements
- Complete total of 60 CSU transferable semester units
- Complete all required courses for the major or area of emphasis with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
POLSCI 001	American Government	3
POLSCI 002	Comparative Government	3
POLSCI 004	Introduction to International Relations	3
MATH 025	Introduction to Statistics	4
Choose two courses below, 6 units		
AOJ 001	Introduction to Criminal Justice	3
GEOG 003	Cultural Geography	3
HIST 004A	Western Civilization to 1700	3
HIST 004B	Western Civilization From 1700	3
HIST 017A	History of the U.S. 1492-1877	3
HIST 017B	History of the U.S. 1865-PRESENT	3
PSYCH 002	Abnormal Psychology	3
SOC 001	Introduction to Sociology	3
SOC 002	Critical Thinking and Social Problems	3
SOC 003	Marriage and Family Relations	3
		19

CSU-GE-B or IGETC requirements (allowing double counting)	37-39
CSU Transferable Electives	14-19
Total	**60**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
ENG 001A	3	POLSCI-001	3	POLSCI-002	3	Area C1/2	3
MATH 025	4	Area A3	3	HIST-017A/B	3	Elective #1-49	10
COM-001/004	3	Area B1	4	BIO-010/015	3		**13**
POLSCI 001	3	Area C1	3	POLSCI MAJOR	3		
IS 001	3	Area E	3	Area C2	3		
	16		**16**		**15**		

Psychology

Psychology AA-T

The Associate in Arts Degree in Psychology for Transfer (AA-T) allows students to begin preparation for careers in social services, business, and government. The degree serves as a launching point for careers in human services, journalism, politics, public relations, business, and public administration.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- identify various research methods used to study behavior and mental process.
- identify the basic structures of the brain and nervous system.
- apply psychological concepts and theories to everyday situations.
- identify and apply behavior modification techniques.
- identify the major components in a case study and how to use case studies as references when writing a research paper.

Associate Degree for Transfer requirements (pursuant to SB 1440):

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete IGETC or CSU General Education – Breadth requirements
- Complete total of 60 CSU transferable semester units
- Complete all required courses for the major or area of emphasis with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
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
MATH 025	Introduction to Statistics	4
	Total..	22
	CSU-GE or IGETC requirements (allowing double counting)...........................	32-39
	Electives (must be transferable to CSU)..	3-12
	Total	**60**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
ENG 001A	3	PSYCH 002	3	PSYCH 003	3	PSYCH 005	3
MATH 025	4	PSYCH 006	3	PSYCH 004	3	POLSCI 001	3
COM-001/004............	3	BIO-010/015..............	3	SOC 002	3	Area C1/2................	3
IS 001	3	Area C1..................	3	Area B1..................	4	Elective 001-049...........	4
PSYCH 001	3	HIST-017A/B..............	3	Area C2..................	3		**13**
	16		**15**		**16**		

Psychology AA

The Psychology Associate Degree program 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 18 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

Upon completion of the program, students will be able to:

- identify various research methods used to study behavior and mental process.
- identify the basic structures of the brain and nervous system.
- apply psychological concepts and theories to everyday situations.
- identify and apply behavior modification techniques.
- identify the major components in a case study and how to use case studies as references when writing a research paper.

Associate Degree Requirements:

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete Local General Education and District requirements
- Complete elective units for total of 60 degree applicable semester units
- Complete all required courses for the major or area of emphasis, English, and math with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
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
Electives........	BIO 032, 035, CIS 007, MATH 025, PSYCH 008, SOC 001, 002...	3-4
	Total	**18-19**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4
ENG 001A 3	Area B..................... 3	PSYCH 004 3	Elective 001-049......... 14
MATH 025 4	Area C..................... 3	PSYCH 005 3	PE ACTIVITY........... 1
IS 001 3	PSYCH 002 3	PSYCH Elective.......... 3	**15**
PSYCH 001 3	PSYCH 003 3	HE 035 3	
PE ACTIVITY........... 1	Elective 001-049.......... 3	Elective 001-049.......... 3	
15	**15**	**15**	

Sociology

Sociology AA-T

The sociology curriculum is designed to provide the opportunity to achieve an associate degree in the student's area of specialization. The Associate in Arts in Sociology for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Sociology or similar major.

Program Student Learning Outcomes

Upon completion of the program, students will be able to:

- apply and demonstrate sociological literacy underscoring the centrality of race, class, and gender in society including multicultural, cross-cultural, and cross-national content in sociological analysis.
- apply and demonstrate higher order critical thinking skills using major concepts and theoretical perspectives in sociological analysis through written and oral communication.
- apply and demonstrate an empirical base of sociology across several methodologies, posing sociological questions, developing theoretical explanations, and using primary and secondary data as supporting evidence.

Associate Degree for Transfer requirements (pursuant to SB 1440):

- Complete a minimum of 18 semester units in a major or area of emphasis
- Complete IGETC or CSU General Education – Breadth requirements
- Complete total of 60 CSU transferable semester units
- Complete all required courses for the major or area of emphasis with a "C" or better
- Obtain an overall minimum grade point average of 2.0

Course #	Title	Units
Required Core Courses		
SOC 001	Introduction to Sociology	3
SOC 002	Critical Thinking and Social Problems	3
MATH 025	Introduction to Statistics	4
SOC 003	Marriage and Family Relations	3
SOC 005	Cultural Sociology	3
Choose one course below: 3 units		
SOC 006	Drugs and Society	3
SOC 007	Sociology of Mental Health	3
SOC 010	Sociological Practice	3
		19

IGETC/CSU-GE	**Breadth**	37-39
Electives	**as** **needed**	13-14
Total		**60**

*This is a **recommended sequence** of courses for timely completion of this program. Entry in to transfer level English and math is required to follow this recommended sequence. Please see your counselor to formalize your personalized educational plan or for alternative planning.*

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
ENG 001A	3	SOC 002	3	SOC-006/007/010	3	SOC 005	3
MATH 025	4	SOC 003	3	HIST-017A/B	3	Area C1/2	3
COM-001/004	3	Area B1	4	BIO-010/015	3	POLSCI 001	3
SOC 001	3	Area C1	3	Area C2	3	Elective 001-049	4
IS 001	3	Elective 001-049	3	Elective 001-049	3		**13**

16	16	15