

# LMC Comprehensive Program Review

## Instructional Units

**2017-2018**

**Report Name: Degree and Certificate Requirements Report**  
**(Academic Senate/Office of Instruction)**

The following report contains the responses to Question #2 *Degree and Certificate Requirements* extracted directly from the submitted Comprehensive Program Reviews for Instructional Units. The information contained has not been altered, it was extracted exactly how it was written.

2.1 For each degree/certificate offered, map a pathway to completion of courses within the major in a maximum of 4 semesters, assuming a maximum of 6-10 units of major courses within a semester. Use the following format:

### **Administration of Justice**

<b>Associate Degree – Administration of Justice for Transfer</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	ADJUS-110 Introduction to Criminal Justice  SOCIO-15 Introduction to Sociology	ADJUS-120 Concepts of Criminal Law  ADJUS-140 Criminal Investigation  ADJUS-222 Juvenile Procedure	ADJUS-122 Criminal Trial Process  ADJUS-221 Criminal Evidence	ADJUS-160 Community and the Justice System  PSYCH 011 General Psychology
<b>Certificate of Achievement – Administration of Justice</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	ADJUS-110 Introduction to Criminal Justice  ADJUS-120 Concepts of Criminal Law	ADJUS-160 Community and the Justice System  PSYCH 011 General Psychology	N/A	N/A

	SOCIO-15 Introduction to Sociology	ADJUS-140 Criminal Investigation		
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**Anthropology**

Name of Degree or Certificate				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
<b>List Courses Needed for Degree or Certificate in each semester.</b>	Anthro-001 Introduction to Biological Anthropology  Anthro-004 Introduction to Archaeology  Anthro 006- Cultural Anthropology	Math-034 Introduction to Statistics  Psych-017 Introduction to Research Methods in Psychology	Anthro-007 Culture Change and Globalization  Socio-015 Introduction to Sociology History-046 History and Cultures of Native Americans in North America(Pre European Contact through 1838)	History -047 History and Cultures of Native Americans in North America(1830 to present)  Spch-150 Intercultural Communication

**Appliance Service Technology**

ACREF SKILLS CERTIFICATE				
Semester	Semester 1 <b>FA</b>	Semester 2 <b>SP</b>	Semester 3 <b>SU</b>	Semester 4 <b>FA</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	APPLI-024 ACREF-073	ACREF-075 ACREF-076	ACREF-045	ACREF-077 ACREF-078

ELECTRICAL TECHNICIAN SKILLS CERTIFICATE				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
<b>List Courses Needed for Degree or Certificate in each semester.</b>	APPLI-016 OR 014 OR 015 OR 013 and APPLI-020 OR 021			

REFRIGERATION TECHNICIAN SKILLS CERTIFICATE				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
List Courses Needed for Degree or Certificate in each semester.	APPLI-024 OR 025 OR 023 OR 026 and APPLI-031 OR 030			

APPLIANCE TECHNICIAN CERTIFICATE OF ACHIEVEMENT				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
List Courses Needed for Degree or Certificate in each semester.	APPLI-023 OR 025 APPLI-030 OR 031 APPLI-046	APPLI-013 OR 015 APPLI-021 OR 020  SU SEMESTER	APPLI-024 OR 026 APPLI-037 OR 035  ACREF-045	APPLI-014 OR 016 APPLI-038 OR 036

APPLIANCE SERVICE TECHNOLOGY ASSOCIATE SCIENCE				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
List Courses Needed for Degree or Certificate in each semester.	APPLI-023 OR 025 APPLI-030 OR 031 APPLI-046  GE/ELECTIVES	APPLI-013 OR 015 APPLI-021 OR 020  GE/ELECTIVES  SU SEMESTER	APPLI-024 OR 026 APPLI-037 OR 035  GE/ELECTIVES  ACREF-045	APPLI-014 OR 016 APPLI-038 OR 036  GE/ELECTIVES

**Arts/Graphic Communications/Humanities**

<b>ASSOCIATE in ART (Studio Arts for Transfer: 27 Units)</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	ART 008 ART 010 ART 020 ART 047	ART 009 ART 011 <b>AND/OR</b> ART 047 ART 066	ART 016 <b>AND/OR</b> ART 250 ART 21 OR 030 ART 069	<b>AND/OR</b> ART 021 OR 030 ART 038 ART 040 ART 072

<b>ASSOCIATE in ART (Art History for Transfer: 24 Units)</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	ART 006 ART 020 <b>AND/OR</b> ART 010 ART 011	ART 007 ART 016 <b>AND/OR</b> ART 030 ART 066	ART 008 <b>AND/OR</b> ART 005 ART 017 HUMAN 019 HUMAN 020 HUMAN 021	ART 009 ART 018 <b>AND/OR</b> HUMAN 022 HUMAN 024 HUMAN 030

<b>ASSOCIATE in ART (Fine Arts: 30 Units)</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	ART 005 ART 006, 007, 008 or 009 ART 010 ART 020	ART 016, 017 or 018 ART 011 ART 047 <b>AND/OR</b> ART 021 ART 030	<b>AND/OR</b> ART 038 ART 040 ART 60 ART 072	<b>AND/OR</b> ART 041 ART 038 ART 074 ART 075

<b>ASSOCIATE in ART (Graphic Communications: 30 Units)</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	ART 005 ART 006, 007, 008 or 009 ART 010 ART 012	ART 009 ART 011 ART 047 <b>AND/OR</b> ART 015 ART 025 ART 250	<b>AND/OR</b> ART 050 ART 054 ART 057 ART 072	<b>AND/OR</b> ART 075 ART 085 ART 086 ART 072 JOURN 160

<b>CERTIFICATE of Achievement (Graphic Communications: 30 Units)</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	ART 005 ART 006, 007, 008 or 009 ART 010 ART 012	ART 009 ART 011 ART 047 <b>AND/OR</b> ART 015 ART 025 ART 250	<b>AND/OR</b> ART 050 ART 054 ART 057 ART 072 JOURN 110	<b>AND/OR</b> ART 075 ART 085 ART 086 ART 072 JOURN 160

**Astronomy**

Astronomy does not offer a degree or certificate.

**Automotive Technology**

<b>AS Degree Automotive Technology</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	Auto 35 (fundamentals) Auto 46 (Automotive Electronics) Auto 37 (engine machining)	Auto 42 (Brakes) Auto 43 (Steering and Suspension)	Auto 40 (diagnosis 1) Auto 41 (diagnosis 2) Auto 48 (Automatic Transmissions)	Auto 55 (Smog) Auto 59 (Manual Transmissions)

**Biological Sciences**

<b>AST Degree Biology</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	Biosc 020 Chem 025	Biosc 021 Chem 026	Phys 35 / 37 Math 50 Chem 028 OR Phys 040	Phys 36/38 Math 60 Chem 029 Or Phys 041

**Business**(NOTE COURSES *IN ITALICS* ARE NOT OUR DEPARTMENT'S COURSES)

<b>AST BUSINESS ADMINISTRATION</b>				
<b>Semester</b>	Semester 1	Semester 2	Semester 3	Semester 4
<b>List Courses Needed for Degree or Certificate in each semester.</b>	<i>BUS-059 (3) OR BUS-109 (3) OR COMSC-040 (4)  MATH-034 (4)</i>	BUS-294 (3)  <i>MATH-037 (4)</i>	BUS-186 (4)  <i>ECON-010 (3)</i>	BUS-187 (4)  <i>ECON-011 (3)</i>
<b>AS ACCOUNTING &amp; CERTIFICATE ACCOUNTING</b>				
<b>Semester</b>	Semester 1	Semester 2	Semester 3	Semester 4
<b>List Courses Needed for Degree or Certificate in each semester.</b>	BUS-109 (3) BUS-186 (4)	BUS-018 (3) BUS-187 (4)	BUS-185 (3) BUS ELEC (3)	BUS ELEC (3)
<b>AS SMALL BUSINESS OPERATIONS &amp; CERTIFICATE SMALL BUSINESS OPERATIONS</b>				
<b>Semester</b>	Semester 1	Semester 2	Semester 3	Semester 4
<b>List Courses Needed for Degree or Certificate in each semester.</b>	BUS-027 (3) BUS-035 (3)	BUS-186 (4) MANGT-075 (3)	BUS ELECTIVE (9)	BUS ELECTIVES (9)

**Child Development**

<b>Name of Degree or Certificate</b>				
<b>Semester</b>	Semester 1	Semester 2	Semester 3	Semester 4
<b>Early Childhood Education Associate in Science for Transfer</b>	CHDEV-010 Child Growth and Development 3 CHDEV-001 Introduction to Principles and Practices in Early Childhood Education 3	CHDEV-020 Child Family and Community 3 CHDEV-062 Curriculum Foundations for the Young Child 3	CHDEV-050 Teaching in a Diverse Society 3 CHDEV-011 Observation and Assessment 3	CHDEV-065 Health, Safety and Nutrition in Early Childhood Programs 3 CHDEV-090 Student Teaching Practicum in Early Childhood Education 4

<b>Certificate of Achievement</b>	CHDEV-010 Child Growth and Development 3 CHDEV-001 Introduction to Principles and Practices in Early Childhood Education 3	CHDEV-020 Child Family and Community 3 CHDEV-062 Curriculum Foundations for the Young Child 3	CHDEV-050 Teaching in a Diverse Society 3 CHDEV-011 Observation and Assessment 3	CHDEV-065 Health, Safety and Nutrition in Early Childhood Programs 3 CHDEV-090 Student Teaching Practicum in Early Childhood Education 4
<b>Assistant Teacher Permit Coursework</b>	CHDEV-010 Child Growth and Development 3 CHDEV-001 Introduction to Principles and Practices in Early Childhood Education 3			
<b>Associate Teacher Permit Coursework</b>	CHDEV-010 Child Growth and Development 3 CHDEV-001 Introduction to Principles and Practices in Early Childhood Education 3	CHDEV-020 Child Family and Community 3 CHDEV-062 Curriculum Foundations for the Young Child 3		
<b>Specialization: Infant Toddler Care</b>	CHDEV-040 Infant and Toddler Care and Development 3	CHDEV-041 Developmentally Appropriate Practices For Infants and Toddlers 3		
<b>Curriculum in Early Childhood Specialization Certificate</b>	CHDEV-022 Relationship-Based Discipline Strategies for Children 2	CHDEV-025 Creative Arts for the Young Child 2	CHDEV-035 Teaching Science and Math to Young Children through Hands on Exploration 3	
<b>Specialization: Special Needs Care &amp; Education</b>	CHDEV-055 Introduction to Children with Special Needs 3	CHDEV-057 Developmentally Appropriate Practices for Children with Special Needs 3		

<b>Specialization: Administration of Director Early Childhood Programs</b>	CHDEV-095 Administration of Early Childhood Programs 3	CHDEV-096 Supervision and Leadership in Early Childhood Programs 3		
<b>Specialization: School Age Care</b>	CHDEV-032 Caring for and Educating School Age Children 3	CHDEV-033 Developmentally and Culturally Appropriate Practice for the School Age Child 3		
<b>School-Age Development and Education Skill Certificate</b>	CHDEV-010 Child Growth and Development 3 CHDEV-032 Caring for and Educating School Age Children 3	CHDEV-020 Child, Family and Community 3 CHDEV-033 Developmentally Appropriate Practice for the School Age Child 3	CHDEV-022 Relationship- Based Discipline Strategies for Children 2	CHDEV-050 Teaching in a Diverse Society 3
<b>School-Age Associate Teacher</b>	CHDEV-010 Child Growth and Development 3	CHDEV-020 Child, Family and Community 3	CHDEV-032 Caring for and Educating School Age Children 3	CHDEV-033 Developmentally Appropriate Practice for the School Age Child 3

**Chemistry**

Name of Degree or Certificate				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
<b>List Courses Needed for Degree or Certificate in each semester.</b>	CHEM- 025 General College Chemistry 5 Units  MATH- 050 Calculus and Analytic Geometry I 4 Units	CHEM- 026 General College Chemistry 5 Units  MATH- 060 Calculus and Analytic Geometry II 4 Units	CHEM- 028 Organic Chemistry 5 Units  PHYS-040 Physics for Scientists and Engineers I 4 Units	CHEM- 029 Organic Chemistry 5 Units  PHYS-041 Physics for Scientists and Engineers II 4 Units



**Computer Science**

Name of Degree or Certificate				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
<b>Computer Science AS-T Degree</b>	COMSC-122 MATH-050	COMSC-132 MATH-060 PHYS-040	COMSC-142 MATH-070 PHYS-041	MATH-160
<b>Information Technology - COA (Basic) (Previously called Networking &amp; Security)</b>	COMSC-040 COMSC-010	COMSC-044 COMSC-091		
<b>Information Technology (COA Advanced) (Previously called Networking &amp; Security)</b>	COMSC-040 COMSC-010	COMSC-044 COMSC-091 COMSC-012	COMSC-011 COMSC-120	
<b>Information Technology (AS-Degree) (Previously called Networking &amp; Security)</b>	COMSC-040 COMSC-010 BUS-059	COMSC-044 COMSC-091 COMSC-012	COMSC-011 COMSC-120	MATH-034
<b>Computer Support Specialist (COA Basic)</b>	COMSC-040 COMSC-010 COMSC-091	COMSC-037 COMSC-092		
<b>Computer Support Specialist (AS Degree and COA Advanced)</b>	COMSC-040 COMSC-010 COMSC-091	COMSC-037 COMSC-060 COMSC-092	COMSC-061	
<b>Computer Science College Skills (COA)</b>	COMSC-040 COMSC-030 COMSC-031	COMSC-060 COMSC Elective	COMSC-061 COMSC Elective	C OMSC-044 COMSC Elective
<b>Game Design (Skills Certificate)</b>		COMSC-110	COMSC-111	COMSC-112
<b>PC Repair A+ (Skills Certificate)</b>	COMSC-091	COMSC-092		
<b>Web Design (Skills Certificate)</b>	COMSC-030 COMSC-031 COMSC-040	COMSC-032		

**Cooperative Education**

N/A Cooperative Work Experience Education does not offer degrees or certificates.

### **Dramatic Arts**

Name of Degree or Certificate				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
<b>AA in Acting</b>	Acting 1 (Drama 20)	Acting 2 (Drama 21)	Theatrical Production (Drama 50)	Directing and Collaborative Performance (Drama 61)
	Voice for Performance (Drama 22)	Movement and Improvisation (Drama 23)	Theatre Appreciation (Drama 16)	Directing Workshop (Drama 62)
<b>AAT in Theatre Arts</b>	Acting 1 (Drama 20)	Theatrical Production (Drama 50)	Theatrical Production 2 (Drama 51)	Stage Craft (Drama 40) Or Directing and Collaborative Performance (Drama 61)
	Theatre Appreciation (Drama 16)	Acting 2 (Drama 21)		

### **Economics**

Name of Degree or Certificate				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
<b>List Courses Needed for Degree or Certificate in each semester.</b>	ECON 10 Principles of Microeconomics	ECON 11 Principles of Macroeconomics	ECON 5 Economic History of United States	TBD

### **Emergency Medical Services**

Name of Degree or Certificate				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
<b>List Courses Needed for Degree or Certificate in each semester.</b>	EMS-014	EMS-010		EMS-011

**Engineering/Physics**

<b>Engineering</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	Math 50 Engin 10	Math 60 Phys 40 Engin 25 Engin 20	Math 70 Phys 41 Engin 22 or 30 or 36 or 38	Math 75 Math 80 Phys 42 Engin45 or 46

<b>Physics AS-T</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>All listed courses are 4 units each.</b>	MATH 50	PHYS 40 MATH 60	PHYS 41 MATH 70	PHYS 42

**English – Transfer & Developmental**

<b>ENGLISH AAT</b>				
<b>Semester</b>	<b>Semester 1 - FALL</b>	<b>Semester 2- SPRING</b>	<b>Semester 3 - FALL</b>	<b>Semester 4 - SPRING</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	<b>Required:</b> (Prerequisite for 221) English 100 <b>AND</b> <b>Elective (List B – 3 Units required):</b> English 111 English 128 English 129 English 133 English 231 English 220  <b>AND/OR</b>  <b>Elective: (List C – 3 Units Required)</b> English 112 Humanities 024 Journalism 110 Drama 016	<b>Required:</b> English 221 <b>AND</b> <b>Elective: (List B – 3 Units required):</b> English 127 English 132 English 205** English 220** <i>(**These are here because they require English 100 as a prerequisite.)</i>  <b>OR</b>  <b>Elective: (List C – 3 Units Required)</b> English 112 Humanities 024 Journalism 110 Drama 016	<b>Required:</b> English 230 <b>AND</b> <b>List A – 6 Units Required:</b> English 140	<b>List A – 6 Units Required:</b> English 145 <b>&amp; - if they have not completed the following:</b> <b>Elective (List B – 3 Units required):</b> English 127 English 132 English 205 English 220  <b>OR</b>  <b>Elective: (List C – 3 Units Required)</b> English 112 Humanities 024 Journalism 110 Drama 016

	<i>(These are here because they only require eligibility for English 100)</i>			
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**English as a Second Language**

Name of Degree or Certificate				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
List Courses Needed for Degree or Certificate in each semester.	NA	NA	NA	NA

**Electrical/Instrument Technology**

Electrical Technology				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
List Courses Needed for Degree or Certificate in each semester.	ETEC 10,ETEC 12,ETEC 9	ETEC 20, ETEC 22, ETEC 24, Physics 15	ETEC 30, ETEC 32, ETEC 34	ETEC 40, ETEC 42, ETEC 44, ETEC 46
Instrumentation Technology				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
List Courses Needed for Degree or Certificate in each semester.	ETEC 10,ETEC 12,ETEC 9	ETEC 20, ETEC 22, ETEC 24, Physics 15	ETEC 30, ETEC 32, ETEC 34, Chem 6	ETEC 50, ETEC 52, ETEC 56, ETEC 58, ETEC 59
TCLT				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
List Courses Needed for Degree or Certificate in each semester.	ETEC 10,ETEC 12	ETEC 20, ETEC 22, ETEC 24,	ETEC 40, ETEC 42, ETEC 44, ETEC 46	

**Fire Technology**

Name of Degree or Certificate				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
<b>List Courses Needed for Degree or Certificate in each semester.</b>	<b>Fire 101</b> Fire Service Organization <b>Fire 102</b> Fire Behavior <b>Fire 107</b> Firefighter Safety <b>Certificate in Fire Protection</b>	<b>Fire 103</b> Fire Equipment and Systems <b>Fire 104</b> Building Construction <b>Fire 105</b> Fire Prevention <b>Certificate in Fire Prevention</b>	<b>EMS 10</b> Emergency Medical Technician <b>Fire 106</b> Physical Fitness for Firefighters <b>Eligible to take the NREMT skills test toward EMT certificate</b>	<b>Fire 120</b> Fire Academy <i>Successful completion earns 8 California State Fire Marshall certificates and may lead toward State Certified Fire Fighter 1 Certificate</i>

**History**

Name of Degree or Certificate				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
<b>List Courses Needed for Degree or Certificate in each semester.</b>	Hist 029 Hist 030	Hist 039 Hist 040	Hist 047 Hist 052	

**Humanities**

ASSOCIATE in ART (Art History for Transfer: 24 Units)				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
<b>List Courses Needed for Degree or Certificate in each semester.</b>	ART 006 ART 020 <b>AND/OR</b> ART 010 ART 011	ART 007 ART 016 <b>AND/OR</b> ART 030 ART 066	ART 008 <b>AND/OR</b> ART 005 ART 017 HUMAN 019 HUMAN 020 HUMAN 021	ART 009 ART 018 <b>AND/OR</b> HUMAN 022 HUMAN 024 HUMAN 030

**Journalism**

Name of Degree or Certificate				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
List Courses Needed for Degree or Certificate in each semester.	AAT Journ 110 AA Journ 110	AAT Journ 130 Non-J elective* AA Journ 130 and 115A or 116A and Non-J elective* (*any semester)	AAT Journ 131 or 160 Non-J elective* AA Journ 131 and 115B or 116B and Non-J elective* (*any semester)	AAT Journ100* AA Journ 100 and 115C or 116C or 115A/116A (*any semester)

**Law Enforcement Academy**

Name of Degree or Certificate				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
List Courses Needed for Degree or Certificate in each semester.	ADJUS 005	ADJUS 005	ADJUS 005	ADJUS 005

**Licensed Vocational Nursing**

Name of Degree or Certificate				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
List Courses Needed for Degree or Certificate in each semester.	VoNur 04 VoNur 05 VoNur 06 VoNur 07	VoNur 10 VoNur 11 VoNur 12	VoNur 15 VoNur 16 VoNur 17 VoNur 18	

**Math – Transfer**

Mathematics Associate in Science Degree for Transfer				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
Option 1:	Math 50 (4 units)	Math 60 (4 units)	Math 70 (4 units)	Math 75 (3 units) Math 80 (3 units)
Option 2:	“Calc path” Math 50 (4 units) Math 60 (4 units)	Math 70 (4 units)	Math 75 (3 units)	Math 80 (3 units)
Option 3:	“Calc path” Math 50 (4 units) Math 60 (4 units)	Math 70 (4 units)	Math 75 (3 units) Math 80 (3 units)	

**Math – Developmental**

<b>Elementary Algebra and Arithmetic Competency</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	<i>Math 4 if necessary</i>	<i>Math 20</i>		

**Management & Supervision**

<b>Name of Degree or Certificate: A.S Management and Supervision</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	Bus 059 Mngt 050	Mngt 060 (spring only)  Mngt 65 (spring only)	Mngt 075 (fall only)  Mngt 70 (fall only)	

**Music**

<b>AA in Music</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	Music 13A (1 U) Music 16 (3 U) Music 31 (1.5 U) Music 60 (2 U) Music 52 (1 U) Music 20 (1U)	Music 13B (1 U) Music 17 (3 U) Music 32 or 33A (1.5U) Music 40 (2 U) Music 74 (2 U)	Music 14A (1 U) Music 18 (3 U) Music 5 (2 U) Music 33B (1.5 U) Music 66 (1.5 U) Music 77 – 1U	Music 14B (1 U) Music 19 (3 U) Music 6 (2 U) Music 81 (1.5U) Music 70 (2 U) or Music 74 (2U)
<b>AAT in Music – Pending State Approval</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>				
<b>Certificate in Music Business Management</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	Music 13A (1U) Music 15 (3U) Bus 27 (3U) Music 93 (2U)	Music 13B (1U) Music 12 (3U) Bus 186 (4U) Music 30 (1.5U)	Music 89 (2U) Music 34 (1.5U) RA 10 (3U) Bus 294 (3U)	Music 28 (1U) Music 65 (1U) RA 21 (2U) Music 81 (1.5U)

### **Physical Education/Kinesiology**

Name of Degree or Certificate				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
<b>List Courses Needed for Degree or Certificate in each semester.</b>	PE 100 Math 034 PE activity	BioSC 010 PE activity	BioSC-040 PE 105	BioSC-045 PE activity

### **Philosophy**

N/A

### **Political Science**

Political Science AA-T Degree				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
<b>List Courses Needed for Degree or Certificate in each semester.</b>	POLSC 10: Introduction to American Government	POLSC 40: Introduction to California State and Local Politics POLSC 33: The History of Political Thought	POLSC 43: International Relations POLSC 50: Introduction to Comparative Politics	POLSC 60: The Constitution, Our Rights and the Law

### **Psychology**

Name of Degree or Certificate				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
<b>List Courses Needed for Degree or Certificate in each semester.</b>	Psychology-011 General Psychology  Math-34 Introduction to Statistics  General Education  General Education or Elective	Biology-010 Introduction to Biology  Psychology-017 Introduction to Research Methods in Psychology  General Education  General Education or Elective	Psychology-010 Individual and Social Processes  GE Psychology-014 The Psychology of Human Sexuality (recommended)  General Education or Elective	Sociology-015 Introduction to Sociology    General Education  General Education



**Process Technology**

PROCESS TECHNOLOGY				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
<b>Courses Needed for Degree or Certificate.</b>	PTEC-007 PTEC-009 PTEC-010 PTEC-012 PHYS-015	PTEC-024 PTEC-025 PTEC-035 CHEM-006	PTEC-027 PTEC-044 PTEC-045 PTEC-048 PTEC-060	

**Recording Arts**

Name of Degree or Certificate				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
<b>List Courses Needed for Degree or Certificate in each semester.</b>	RA-010 RA-012 RA-015	RA-020 RA-021 RA-025	RA-030 RA-032	RA-040 RA-035

**Registered Nursing**

Name of Degree or Certificate				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
<b>List Courses Needed for Degree or Certificate in each semester.</b>	RN-022 Foundations of Nursing Practice RN-023 Nursing Skills I RN-024 Pharmacology for Nurses	RN-026 Nursing in Health and Illness RN-027 Nursing Skills II RN-028 Pharmacology II	RN-020 Transition to RN Program Third Semester RN-031 Nursing in Health and Illness II RN-033 Nursing Skills Simulation III RN-034 Pharmacology III	RN-030 Leadership/Professionalism RN-036 Nursing in Health and Illness III RN-038 Nursing Skills Simulation IV RN-039 Pharmacology IV

**Sociology**

Name of Degree or Certificate				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
List Courses Needed for Degree or Certificate in each semester.	Socio-015 Math-034 English-100 GE GE or Elective	Socio-016 Psych-011 English-220 or 221 Speech-110 or 120 GE or Elective	Socio-012 GE- Physical Science GE GE	Socio-017 GE-Biological Science GE or Elective GE or Elective

**Speech/Communications**

Communication Studies AA-T				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
List Courses Needed for Degree or Certificate in each semester.	Required Core: SPCH 110 (3)	List A: SPCH 120 (3)	List A: SPCH 130 (3) List B: SPCH 160 (3)	List B: SPCH 150 (3) List C: ENG 221

**Travel Marketing**

Certificate of Achievement in Travel Marketing (21 units) AS degree in Travel Marketing (add GE courses to this plan)				
Semester	Semester 1	Semester 2	Semester 3	Semester 4
List Courses Needed for Degree or Certificate in each semester.	TRAVL 72 (3 units) TRAVL 76 (3 units) Plus 3-6 units of travel electives: TRAVL 82 (3 units) TRAVL 114 (1.5 units) TRAVL 130 and 131 (3 units total) Destination courses (1.5-3 units)  Total: 9-12 units	TRAVL 77 (2 units) TRAVL 95 (3 units) Plus 3-6 units of travel electives): Destination courses (1.5 – 3 units each)  Total: 8-11 units	If student elects not to take full loads during the first and second semesters, the third semester may be used to finish the 21 units. Since many of our students are working full-time and/or have other major responsibilities, they often cannot take a full load each semester.	

**Welding Technology**

<b>Welding Pre-Apprenticeship Skill Certificate</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	Math 12 Weld 10 Weld 11			
<b>Welding Technology Certificate of Achievement and Associate Degree</b>				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	Weld 10 Weld 11 Weld 15 ENGL 95 or higher MATH 12 or higher	WELD 20 WELD 31 Weld 40 COMSC 40	WELD 16 WELD 21 WELD 33 WELD 35	WELD 41 WELD 43

**World Languages**

<b>Associate in Arts for Transfer Degree (AA-T) - Spanish</b> 23-25 units required				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>Program Requirements:</b> SPAN-050 (5 units) SPAN-051 (5 units) SPAN-052 (5 units) SPAN-053 (5 units) <b>Plus 1 of the following courses:</b> DRAMA-030 (3units) FRNCH-060 (5 units) FRNCH-061 (5 units) ITAL-060 (5 units)	SPAN-050 Elementary Spanish I <b>and</b> ITAL-060 Elementary Italian I <b>or</b> DRAMA-030 Chicano/a Mexican American Cinema	SPAN-051 Elementary Spanish II	SPAN-052 Intermediate Spanish I	SPAN-053 Intermediate Spanish II
<b>College Skills Certificate in Spanish</b> (5 units of Intermediate Spanish II are required)				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>List Courses Needed for Degree or Certificate in each semester.</b>	SPAN-050 Elementary Spanish I			
<b>College Skills Certificate in American Sign Language</b> (6 units required)				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>

<b>Required Courses:</b> SIGN-053 (5 units) SIGN-072 (3 units)	SIGN-050 Elementary American Sign Language I <b>and</b> SIGN-072 Deaf Culture			
<b>College Skills Certificate on Cultural Competence in Modern World Languages</b> (13-15 units are required)				
<b>Semester</b>	<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
<b>Required Courses:</b> <b>3 of the 4 listed below:</b> SPAN-050 (5 units) FRNCH-60 (5units) ITAL-060 (5 units) SIGN -050 (5 units)	SPAN-050 Elementary Spanish I	SPAN-051 Elementary Spanish II   SIGN-051 Elementary American Sign Language II   ITAL-060 Elementary Italian I	SPAN-052 Intermediate Spanish I   SIGN-052 American Sign Language III   FRNCH-060 Elementary French I <b>Or</b> SIGN-050 Elementary American Sign Language I	SPAN-053 Intermediate Spanish II   SIGN-053 American Sign Language IV