

**2021-2022 Catalog
First Addenda/Errata
July 2021**

The following is added to/replaces information listed on pages 147:

**Certificate of Achievement:
Advanced Traffic Accident
Investigation**

Courses Required for the Major:	Units
ADJU 381 POST Certified Regional Academy- Module 1	15
ADJU 382 POST Certified Regional Academy- Module 2	4.5
ADJU 383 P.O.S.T. Certified Regional Academy- Module 3	2
ADJU 384 POST Certified Regional Academy- Module 4	4
ADJU 260 POST Certified Regional Academy	24
ADJU 322A Basic Traffic Accident Investigation	1
ADJU 304A Intermediate Traffic Accident Investigation	0.5
ADJU 305A Advanced Traffic Accident Investigation	1.5
ADJU 332A POST Certified Driving Under the Influence Course	0.5
ADJU 366 Radar-Laser Operator (LIDAR)	0.2
Total Units = 27.7	

The following is added to/replaces information listed on pages 148:

**Certificate of Achievement:
Administration of Justice Law
Enforcement Supervision**

Courses Required for the Major:	Units
ADJU 260 POST Certified Regional Academy	24
ADJU 312A Basic Supervisory Course	1.5
ADJU 381 POST Certified Regional Academy- Module 1	15
ADJU 382 POST Certified Regional Academy- Module 2	4.5

ADJU 383 P.O.S.T. Certified Regional Academy- Module 3	2
ADJU 384 POST Certified Regional Academy- Module 4	4
Total Units = 27 25.5	

The following is added to/replaces information listed on pages 147-148:

**Certificate of Achievement:
Administration of Justice-
Contemporary Police Technologies**

Courses Required for the Major:	Units
ADJU 260 POST Certified Regional Academy	24
ADJU 381 POST Certified Regional Academy- Module 1	15
ADJU 382 POST Certified Regional Academy- Module 2	4.5
ADJU 383 P.O.S.T. Certified Regional Academy- Module 3	2
ADJU 384 POST Certified Regional Academy- Module 4	4
Select 9 units from the following:	
ADJU 160 Criminal Law II	3
ADJU 161 Juvenile Procedures	3
ADJU 180 Drug Abuse and Law Enforcement	3
ADJU 182 Street Gangs and Law Enforcement	3
ADJU 201 California Criminal Procedure	3
ADJU 210 Rules of Evidence	3
ADJU 230 Constitutional Law I	3
Total Units = 34.5 33	

The following is added to/replaces information listed on pages 149:

**Associate of Science Degree:
Administration of Justice-
Contemporary Police Technologies**

Courses Required for the Major:	Units
ADJU 260 POST Certified Regional Academy	24
ADJU 381 POST Certified Regional Academy- Module 1	15
ADJU 382 POST Certified Regional Academy- Module 2	4.5
ADJU 383 P.O.S.T. Certified Regional Academy- Module 3	2
ADJU 384 POST Certified Regional Academy- Module 4	4
Select 9 units from the following:	
ADJU 160 Criminal Law II	3
ADJU 161 Juvenile Procedures	3

ADJU 180	Drug Abuse and Law Enforcement	3
ADJU 182	Street Gangs and Law Enforcement	3
ADJU 201	California Criminal Procedure	3
ADJU 210	Rules of Evidence	3
ADJU 230	Constitutional Law I	3

Total Units = 34.5-33

The following is added to/replaces information listed on pages 149:

Certificate of Achievement: Administration of Justice Technical Achievement for Field Training Officers

Courses Required for the Major:		Units
ADJU 260	POST Certified Regional Academy	24
ADJU 381	POST Certified Regional Academy- Module 1	1.5
ADJU 382	POST Certified Regional Academy- Module 2	4.5
ADJU 383	P.O.S.T. Certified Regional Academy- Module 3	2
ADJU 384	POST Certified Regional Academy- Module 4	4
ADJU 330A	POST Certified Field Training Officer Course	0.5

Total Units = 26-24.5

The following is added to/replaces information listed on pages 156:

Certificate of Achievement: Hybrid/Electric Vehicles

Courses Required for the Major:		Units
AUTO 161T	Honda/Toyota Basic Electricity and Electrical Systems Fundamentals	4
AUTO 162T	Honda/Toyota Advanced Electrical	4
AUTO 165T	Honda/Toyota Engine Performance	4
AUTO 167T	Honda/Toyota Advanced Engine Performance	4
AUTO 169T	Honda/Toyota Climate Control Systems	4
AUTO 180T	Honda/Toyota Hybrid Electric Vehicle (HEV) Systems	4

Total Units = 24

The following is added to/replaces information listed on pages 167:

Certificate of Achievement: Aviation Operations Management

The Aviation Operations Management Certificate of Achievement is designed to prepare a student for employment as an entry-level line supervisor or manager in an aviation operations-related field.

Courses Required for the Major:		Units
AVIA 101	Private Pilot Ground School	3
AVIA 105	Introduction to Aviation and Aerospace	3
AVIA 125	Aviation and Airport Management	3
AVIA 133	Human Factors in Aviation	3
BUSE 119	Business Communications	3

Select one of the following leadership/
management-related courses:

AVIA 128	Group Dynamics for High Risk Teams	3
BUSE 201	Business Organization and Management	3
BUSE 205	Leadership Theory and Practice	3

Total Units = 18

Note: FAA-issued Private Pilot certificate satisfies the AVIA 101 requirement.

Students satisfying requirements via FAA certificates must complete alternate coursework approved by the department in order to satisfy the requirement for 18 units in the major.

The following is added to/replaces information listed on pages 167-168:

Associate of Science Degree: Aviation Business Administration

Courses Required for the Major:		Units
AVIA 101	Private Pilot Ground School	3
AVIA 105	Introduction to Aviation and Aerospace	3
AVIA 125	Aviation and Airport Management	3
AVIA 133	Human Factors in Aviation	3
BUSE 119	Business Communications	3

Note: FAA-issued Private Pilot certificate satisfies the AVIA 101 requirement.

Select one of the following leadership/
management-related courses:

AVIA 128	Group Dynamics for High Risk Teams	3
BUSE 201	Business Organization and Management	3

BUSE 205 Leadership Theory and Practice 3

Select one of the following business information systems-related courses:

CBTE 180 Microsoft Office 3
 CBTE 210 Computers in Business 3
 CISC 181 Principles of Information Systems 4

Select one of the following business economics-related courses:

ACCT 116A Financial Accounting 4
 ECON 121 Principles of Microeconomics 3

Select an additional 3 units from the following:

AVIA 101L Private Pilot Flight Lab 1
 AVIA 115 Aviation Weather 3
 AVIA 128 Group Dynamics for High Risk Teams 3
 AVIA 228 Group Dynamics II 3
 AVIA 270 Aviation Operations Internship /
 Work Experience 1-4
 AVIA 277D Aviation Service Learning -- on
 Campus 1-3
 ACCT 116A Financial Accounting 4
 ACCT 116B Managerial Accounting 4
 BUSE 140 Business Law and the Legal
 Environment 3
 BUSE 201 Business Organization and
 Management 3
 BUSE 205 Leadership Theory and Practice 3
 CBTE 180 Microsoft Office 3
 CBTE 210 Computers in Business 3
 CISC 181 Principles of Information Systems 4
 ECON 120 Principles of Macroeconomics 3
 ECON 121 Principles of Microeconomics 3

Total Units = 27-30

Note: Courses must be taken for a letter grade if used to satisfy degree requirements.

For graduation requirements, see **Requirements for the Associate Degree** on page 92.

Electives as needed to meet minimum of 60 units required for the degree.

The following is added to/replaces information listed on pages 168:

Associate of Science Degree: Professional Aeronautics

The Professional Aeronautics degree combines the requirements for the Professional Piloting Certificate of Achievement with additional academic coursework in preparation for upper division study in aeronautics or a related field.

Courses Required for the Major: Units

AVIA 101 Private Pilot Ground School 3
 AVIA 101L Private Pilot Flight Lab 1
 AVIA 105 Introduction to Aviation and
 Aerospace 3
 AVIA 133 Human Factors in Aviation 3
 AVIA 195 Instrument Ground School 3
 AVIA 195L Basic Instrument Flight Lab 1
 AVIA 196L Advanced Instrument Flight Lab 1
 AVIA 201 Commercial Pilot Ground School 3

Select one of the following aviation breadth courses:

AVIA 115 Aviation Weather 3
 AVIA 125 Aviation and Airport Management 3
 AVIA 151 Helicopter Ground School 3

Select one of the following physical science courses (not selected above):

AVIA 115 Aviation Weather 3
 GEOG 101 Physical Geography 3
 GEOL 104 Earth Science 3
 PHYS 125 General Physics 5
 PHYS 180A General Physics I 4
 PHYS 195 Mechanics 5

Select an additional 3 units from the following:

AVIA 115 Aviation Weather 3
 AVIA 125 Aviation and Airport Management 3
 AVIA 128 Group Dynamics for High Risk Teams 3
 AVIA 151 Helicopter Ground School 3
 AVIA 161 Remote Pilot Ground School 3
 AVIA 161L Remote Pilot Flight Lab 1
 AVIA 211 Flight Instructor Ground School 3
 AVIA 211L Basic Visual Flight Instructor Lab 1
 AVIA 215L Basic Instrument Flight Instructor Lab 1
 AVIA 216L Advanced Instrument Flight Instructor
 Lab 1
 AVIA 228 Group Dynamics II 3
 AVIA 270 Aviation Operations Internship /
 Work Experience 1-4
 AVIA 277D Aviation Service Learning -- on
 Campus 1-3
 ACCT 116A Financial Accounting 4
 BUSE 201 Business Organization and
 Management 3
 BUSE 205 Leadership Theory and Practice 3
 ECON 121 Principles of Microeconomics 3
 PHYS 125 General Physics 5
 PHYS 180A General Physics I 4
 PHYS 195 Mechanics 5

Total Units = 27-31

Note: FAA-issued Private Pilot certificate satisfies the AVIA 101 and 101L requirements. FAA-issued Remote

Pilot certificate satisfies the AVIA 161 and 161L requirements. FAA-issued Instrument Pilot certificate satisfies the AVIA 195, 195L, and 196L requirements. FAA-issued Commercial Pilot certificate satisfies the AVIA 201 requirement.

Students satisfying requirements via FAA certificates may need to complete alternate coursework approved by the department in order to satisfy the requirement for 18 units in the major.

For graduation requirements, see **Requirements for the Associate Degree** on page 92.

Electives as needed to meet minimum of 60 units required for the degree.

The following is added to/replaces information listed on pages 175-176:

Certificate of Achievement: Business Management

Courses Required for the Major: Units

BUSE 100 ¹	Introduction to Business	3
BUSE 119	Business Communications	3
BUSE 150	Human Relations in Business	3

or

BUSE 102 Introduction to Customer Service **3**

BUSE 201	Business Organization and Management	3
CBTE 180	Microsoft Office	3

or

CBTE 210	Computers in Business	3
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or

CISC 181	Principles of Information Systems	4
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¹BUSE 100 is recommended as a first semester course.

Complete at least six (6) units from the following business/business-related courses (not selected above):

BUSE 102 Introduction to Customer Service **3**

BUSE 129	Introduction to Entrepreneurship	3
BUSE 140	Business Law and the Legal Environment	3

BUSE 150 Human Relations in Business **3**

BUSE 155	Managing the Small Business	3
ACCT 116A	Financial Accounting	4
ACCT 116B	Managerial Accounting	4
CBTE 210	Computers in Business	3
CISC 181	Principles of Information Systems	4
ECON 121	Principles of Microeconomics	3
MARK 100	Principles of Marketing	3
PADM 200	Introduction to Public Administration	3

Complete at least one of the following mathematics courses:

BUSE 101	Business Mathematics	3
BUSE 115	Statistics for Business	3
MATH 115	Gateway to Experimental Statistics	4
MATH 119	Elementary Statistics	3
MATH 121	Basic Techniques of Applied Calculus I	3
MATH 150	Calculus with Analytic Geometry I	5
PSYC 258	Behavioral Science Statistics	3

Complete at least three (3) units from the following occupational courses (not selected above):

BUSE 120	Principles of Money Management	3
BUSE 270	Business Internship / Work Experience	1-4
ACCT 102	Basic Accounting	3
ACCT 150	Computer Accounting Applications	3
CBTE 120	Beginning Microsoft Word	2
CBTE 122	Intermediate Microsoft Word	3
CBTE 127	Beginning Microsoft PowerPoint	2
CBTE 140	Beginning Microsoft Excel	2
CBTE 143	Intermediate Microsoft Excel	3
CBTE 152	Beginning Microsoft Access	2
CBTE 180	Microsoft Office	3
LIBS 101	Information Literacy and Research Skills	1

Total Units = 27-30

The following is added to/replaces information listed on pages 176-177:

Associate of Science Degree: Business Management

Courses Required for the Major: Units

BUSE 100 ¹	Introduction to Business	3
BUSE 119	Business Communications	3
BUSE 150	Human Relations in Business	3

or

BUSE 102 Introduction to Customer Service **3**

BUSE 201	Business Organization and Management	3
CBTE 180	Microsoft Office	3

or

CBTE 210	Computers in Business	3
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or

CISC 181	Principles of Information Systems	4
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¹BUSE 100 is recommended as a first semester course.

Complete at least six (6) units from the following business/business-related courses (not selected above):

BUSE 102 Introduction to Customer Service **3**

BUSE 129	Introduction to Entrepreneurship	3
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BUSE 140	Business Law and the Legal Environment	3
BUSE 150	Human Relations in Business	3
BUSE 155	Managing the Small Business	3
ACCT 116A	Financial Accounting	4
ACCT 116B	Managerial Accounting	4
CBTE 210	Computers in Business	3
CISC 181	Principles of Information Systems	4
ECON 121	Principles of Microeconomics	3
MARK 100	Principles of Marketing	3
PADM 200	Introduction to Public Administration	3

Complete at least one of the following mathematics courses:

BUSE 101	Business Mathematics	3
BUSE 115	Statistics for Business	3
MATH 115	Gateway to Experimental Statistics	4
MATH 119	Elementary Statistics	3
MATH 121	Basic Techniques of Applied Calculus I	3
MATH 150	Calculus with Analytic Geometry I	5
PSYC 258	Behavioral Science Statistics	3

Complete at least three (3) units from the following occupational courses (not selected above):

BUSE 120	Principles of Money Management	3
BUSE 270	Business Internship / Work Experience	1-4
ACCT 102	Basic Accounting	3
ACCT 150	Computer Accounting Applications	3
CBTE 120	Beginning Microsoft Word	2
CBTE 122	Intermediate Microsoft Word	3
CBTE 127	Beginning Microsoft PowerPoint	2
CBTE 140	Beginning Microsoft Excel	2
CBTE 143	Intermediate Microsoft Excel	3
CBTE 152	Beginning Microsoft Access	2
CBTE 180	Microsoft Office	3
LIBS 101	Information Literacy and Research Skills	1

Total Units = 27-30

For graduation requirements, see **Requirements for the Associate Degree** on page 92.

Electives as needed to meet minimum of 60 units required for the degree.

The following is added to/replaces information listed on pages 195:

Certificate of Achievement: San Diego City Civil Service Equipment Mechanic Apprenticeship

Courses Required for the Major:	Units
AUTO 156G Engine and Related Systems	4
AUTO 178G Suspension, Steering and Handling	4
DIES 100 Introduction to Diesel Technology	2
DIES 135 Applied Failure Analysis	3
DIES 137 Diesel Fuel Injection Systems	2
DIES 138 Electrical Systems	3
DIES 155 Air Brake Systems	3
DIES 160 Heavy Duty Manual Transmissions	3
DIES 170 Truck Drive Axles and Specifications	3
Total Units = 27	

Associate of Science Degree: San Diego City Civil Service Equipment Mechanic Apprenticeship

Courses Required for the Major:	Units
AUTO 156G Engine and Related Systems	4
AUTO 178G Suspension, Steering and Handling	4
DIES 100 Introduction to Diesel Technology	2
DIES 135 Applied Failure Analysis	3
DIES 137 Diesel Fuel Injection Systems	2
DIES 138 Electrical Systems	3
DIES 155 Air Brake Systems	3
DIES 160 Heavy Duty Manual Transmissions	3
DIES 170 Truck Drive Axles and Specifications	3
Total Units = 27	

Recommended Electives: Diesel Technology 105, 144; Automotive Technology 165, 76-165G, 176G.

Additional general education and graduation requirements for the associate degree are listed in the Academic Requirements section of catalog. **The associate degree requires a minimum of 60 units.**

The following is added to/replaces information listed on pages 203-204:

Certificate of Achievement: Entrepreneurship

Courses Required for the Major:	Units
BUSE 100 Introduction to Business	3
BUSE 101 Business Mathematics	3
BUSE 102 Introduction to Customer Service	3

or		
BUSE 150	Human Relations in Business	3
BUSE 119	Business Communications	3
BUSE 129	Introduction to Entrepreneurship	3
BUSE 155	Managing the Small Business	3

or		
BUSE 157	Developing a Plan for the Small Business	3
ACCT 150	Computer Accounting Applications	3
MARK 100	Principles of Marketing	3

Complete at least three (3) units from the following supplemental business courses (not already selected above):

BUSE 140	Business Law and the Legal Environment	3
BUSE 150	Human Relations in Business	3
BUSE 155	Managing the Small Business	3
BUSE 157	Developing a Plan for the Small Business	3
BUSE 201	Business Organization and Management	3
BUSE 229A	Gazelle Path Business Incubator I	4
BUSE 229B	Gazelle Path Business Incubator II	4
BUSE 229C	Gazelle Path Business Incubator III	4
BUSE 229D	Gazelle Path Business Incubator IV	4
ACCT 102	Basic Accounting	3
ACCT 150	Computer Accounting Applications	3
CISC 181	Principles of Information Systems	4

Complete at least three (3) units from the following occupational courses (not already selected above):

BUSE 120	Principles of Money Management	3
BUSE 155	Managing the Small Business	3
BUSE 157	Developing a Plan for the Small Business	3
BUSE 229A	Gazelle Path Business Incubator I	4
BUSE 229B	Gazelle Path Business Incubator II	4
BUSE 229C	Gazelle Path Business Incubator III	4
BUSE 229D	Gazelle Path Business Incubator IV	4
BUSE 270	Business Internship / Work Experience	1-4
BUSE 290	Independent Study	1 - 3
ARTF 150B	Beginning Graphic Design	3
AUTO 151T	Honda/Toyota Quick Service Lube, Pre-Delivery Inspection Technician	4
AUTO 153G	Introduction to Automotive Technology	3
AUTO 156G	Engine and Related Systems	4
AUTO 156T	Honda/Toyota Engine and Related Systems	4
AVIA 101	Private Pilot Ground School	3

AVIA 105	Introduction to Aviation and Aerospace	3
AVIM 101G	General Aviation Technology Theory I	6
CBTE 165	Webpage Creation with Dreamweaver	3
CBTE 180	Microsoft Office	3
CBTE 210	Computers in Business	3
CHIL 101	Human Growth and Development	3
DIES 100	Introduction to Diesel Technology	2
DIES 105	Measuring Tools and Applied Mathematics	2
EXSC 292A	Yoga Teacher Training Essentials	3
EXSC 242B	Care and Prevention of Injuries	3
GRFX 110	Introduction to Producing Computer-aided Graphics	3
GRFX 160	Vector Art 01: Illustration	3
GRFX 170	Raster Art 01: Image Editing	3
MUSI 190	Electronic Music Studio	3
REAL 101	Real Estate Principles	3

Total Units = 27-31

Associate of Science Degree: Entrepreneurship

Courses Required for the Major: Units

BUSE 100	Introduction to Business	3
BUSE 101	Business Mathematics	3
BUSE 102	Introduction to Customer Service	3
or		
BUSE 150	Human Relations in Business	3
BUSE 119	Business Communications	3
BUSE 129	Introduction to Entrepreneurship	3
BUSE 155	Managing the Small Business	3
or		
BUSE 157	Developing a Plan for the Small Business	3
ACCT 150	Computer Accounting Applications	3
MARK 100	Principles of Marketing	3

Complete at least three (3) units from the following supplemental business courses (not already selected above):

BUSE 140	Business Law and the Legal Environment	3
BUSE 150	Human Relations in Business	3
BUSE 155	Managing the Small Business	3
BUSE 157	Developing a Plan for the Small Business	3
BUSE 201	Business Organization and Management	3
BUSE 229A	Gazelle Path Business Incubator I	4
BUSE 229B	Gazelle Path Business Incubator II	4
BUSE 229C	Gazelle Path Business Incubator III	4
BUSE 229D	Gazelle Path Business Incubator IV	4
ACCT 102	Basic Accounting	3

ACCT 150	Computer Accounting Applications	3
CISC 181	Principles of Information Systems	4

Complete at least three (3) units from the following occupational courses (not already selected above):

BUSE 120	Principles of Money Management	3
BUSE 155	Managing the Small Business	3
BUSE 157	Developing a Plan for the Small Business	3
BUSE 229A	Gazelle Path Business Incubator I	4
BUSE 229B	Gazelle Path Business Incubator II	4
BUSE 229C	Gazelle Path Business Incubator III	4
BUSE 229D	Gazelle Path Business Incubator IV	4
BUSE 270	Business Internship / Work Experience	1-4
BUSE 290	Independent Study	1-3
ARTF 150B	Beginning Graphic Design	3
AUTO 151T	Honda/Toyota Quick Service Lube, Pre-Delivery Inspection Technician	4
AUTO 153G	Introduction to Automotive Technology	3
AUTO 156G	Engine and Related Systems	4
AUTO 156T	Honda/Toyota Engine and Related Systems	4
AVIA 101	Private Pilot Ground School	3
AVIA 105	Introduction to Aviation and Aerospace	3
AVIM 101G	General Aviation Technology Theory I	6
CBTE 165	Webpage Creation with Dreamweaver	3
CBTE 180	Microsoft Office	3
CBTE 210	Computers in Business	3
CHIL 101	Human Growth and Development	3
DIES 100	Introduction to Diesel Technology	2
DIES 105	Measuring Tools and Applied Mathematics	2
EXSC 292A	Yoga Teacher Training Essentials	3
EXSC 242B	Care and Prevention of Injuries	3
GRFX 110	Introduction to Producing Computer-aided Graphics	3
GRFX 160	Vector Art 01: Illustration	3
GRFX 170	Raster Art 01: Image Editing	3
MUSI 190	Electronic Music Studio	3
REAL 101	Real Estate Principles	3

Total Units = 27-31

For graduation requirements, see **Requirements for the Associate Degree** on page 92.

Electives as needed to meet minimum of 60 units required for the degree.

The following is added to/replaces information listed on pages 212:

Certificate of Achievement: Fire Prevention

Courses Required for the Major:		Units
ENGL 101	Reading and Composition	3
FIPT 101	Fire Protection Organization	3
FIPT 102	Fire Prevention Technology	3
FIPT 103	Fire Protection Equipment and Systems	3
FIPT 104	Building Construction for Fire Protection	3
FIPT 105	Fire Behavior and Combustion	3
FIPT 125	Report Writing for the Fire Service	2
FIPT 323A	Hazardous Materials: First Responder Awareness (FRA)	0.2
or		
FIPT 323B	Hazardous Materials: First Responder Operational (FRO)	0.5
FIPT 351A	Fire Inspector 1A: Inspection and Code Enforcement	0.5
FIPT 351B	Fire Inspector 1B: Fire and Life Safety	0.5
FIPT 351C	Fire Inspector 1C: Field Inspection	0.5
FIPT 351D	Fire Inspector 1D: Field Inspection – California Specific	0.2
ADJU 357A	832 PC Laws of Arrest	1
Total Units =		22.9-23.2-21.9-22.2

The following is added to/replaces information listed on pages 213:

Associate of Science Degree: Fire Prevention

Courses Required for the Major:		Units
ENGL 101	Reading and Composition	3
FIPT 101	Fire Protection Organization	3
FIPT 102	Fire Prevention Technology	3
FIPT 103	Fire Protection Equipment and Systems	3
FIPT 104	Building Construction for Fire Protection	3
FIPT 105	Fire Behavior and Combustion	3
FIPT 125	Report Writing for the Fire Service	2
FIPT 323A	Hazardous Materials: First Responder Awareness (FRA)	0.2
or		
FIPT 323B	Hazardous Materials: First Responder Operational (FRO)	0.5
FIPT 351A	Fire Inspector 1A: Inspection and Code Enforcement	0.5

FIPT 351B	Fire Inspector 1B: Fire and Life Safety	0.5
FIPT 351C	Fire Inspector 1C: Field Inspection	0.5
FIPT 351D	Fire Inspector 1D: Field Inspection – California Specific	0.2
ADJU 357A	832-PC Laws of Arrest	1

Total Units = 22.9–23.2 21-.9-22.2

The following is added to/replaces information listed on pages 218-219:

Associate of Arts Degree: Social and Behavioral Sciences

The Associate of Arts degree with an area of emphasis in Social and Behavioral Sciences is intended for students who plan to complete a bachelor's degree at a transfer institution in a social science-related major.

This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this degree should be selected with the assistance of a Miramar College counselor.

Courses Required for the Major: Units

Select at least 12 units from the following social and behavioral sciences core courses:

ADJU 101	Introduction to Administration of Justice	3
ADJU 102	Criminal Law I	3
ADJU 106	Diversity and Community Relations	3
ADJU 162	Criminal Investigation	3
ADJU 210	Rules of Evidence	3
ADJU 230	Constitutional Law I	3
ANTH 102	Introduction to Biological Anthropology	3
ANTH 103	Introduction to Cultural Anthropology	3
ANTH 104	Laboratory in Biological Anthropology	1
ANTH 107	Introduction to Archaeology	3
BLAS 140A	History of the U.S., Black Perspectives	3
BLAS 140B	History of the U.S., Black Perspectives	3
BUSE 205	Leadership Theory and Practice	3
ECON 120	Principles of Macroeconomics	3
ECON 121	Principles of Microeconomics	3
FILI 100	Filipino American Experience	3
GEOG 101	Physical Geography	3
GEOG 101L	Physical Geography Laboratory	1
GEOG 102	Cultural Geography	3
GEOG 104	World Regional Geography	3
HIST 100	World History I	3
HIST 101	World History II	3
HIST 105	Introduction to Western Civilization I	3

HIST 106	Introduction to Western Civilization II	3
HIST 109	History of the United States I	3
HIST 110	History of the United States II	3
HIST 115A	History of the Americas I	3
HIST 115B	History of the Americas II	3
HIST 120	Introduction to Asian Civilizations	3
HIST 121	Asian Civilizations in Modern Times	3
HIST 141	Women in United States History I	3
HIST 142	Women in United States History II	3

PADM 200 Introduction to Public Administration 3

POLI 101	Introduction to Political Science	3
POLI 102	Introduction to American Government	3
POLI 103	Comparative Politics	3
POLI 140	Contemporary International Politics	3
PSYC 101	General Psychology	3
PSYC 133	Psychology of Women	3
PSYC 135	Marriage and Family Relations	3
PSYC 166	Introduction to Social Psychology	3
PSYC 258	Behavioral Science Statistics	3

or

BUSE 115	Statistics for Business	3
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or

MATH 115	Gateway to Experimental Statistics	4
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or

MATH 119	Elementary Statistics	3
SOCO 101	Principles of Sociology	3
SOCO 110	Contemporary Social Problems	3
SOCO 201	Advanced Principles of Sociology	3
SOCO 223	Globalization and Social Change	3
SUST 101	Introduction to Sustainability	3

Select at least one course and the remainder of units needed to meet the minimum of 18 from the following:

ACCT 116A	Financial Accounting	4
BIOL 107	General Biology–Lecture and Laboratory	4
BUSE 140	Business Law and the Legal Environment	3
CBTE 120	Beginning Microsoft Word	2
CBTE 127	Introduction to PowerPoint	2
CBTE 140	Beginning Microsoft Excel	2
CHEM 100	Fundamentals of Chemistry	3
CHEM 100L	Fundamentals of Chemistry Laboratory	1
CISC 181	Principles of Information Systems	4
CISC 186	Visual Basic Programming	4
CISC 190	Java Programming	4
ENGL 105	Composition and Literature	3
ENGL 205	Critical Thinking and Intermediate Composition	3
ENGL 237	Women in Literature	3
HUMA 106	World Religions	3

LIBS 101	Information Literacy and Research Skills	1
MATH 121	Basic Techniques of Applied Calculus I	3
MATH 150	Calculus with Analytic Geometry I	5
PHIL 100	Logic and Critical Thinking	3
PHIL 101	Symbolic Logic	3
PHIL 102B	Introduction to Philosophy: Values	3
PHIL 205	Critical Thinking and Writing in Philosophy	3
PHYN 100	Survey of Physical Science	3

Total Units = 18

General Education: In addition to the courses listed above, students must complete one of the general education options listed on page 93:

- The IGETC pattern (page 116) is accepted by all CSU campuses and most UC campuses and majors. It is also accepted by some private/independent or out of state universities.
- The CSU GE pattern (page 124) is accepted by all CSU campuses and some private/independent or out of state universities. It is not accepted by the UC system.
- The San Diego Community College District General Education pattern (page 100) may be appropriate for students transferring to a private/independent or out of state university or to a high-unit major. Students selecting this option should meet with a counselor to determine the appropriate General Education courses for their individual transfer goals.

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

Electives as needed to meet minimum of 60 units required for the degree.

The following is added to/replaces information listed on pages 231-232:

Associate of Arts: Music Studies

The Associate of Arts Degree with an area of emphasis in Music Studies is intended for students who plan to complete a bachelor's degree at a transfer institution in an interdisciplinary music-related major.

The degree is designed to accommodate the differing requirements of a wide variety of transfer institution and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this degree should be selected with the assistance of a Miramar Counselor.

Courses Required for the Major:		Units
MUSI 100	Introduction to Music	3
MUSI 124A Piano Class I		1
MUSI 148A Music Theory I		3
MUSI 116A Piano Class I		2
MUSI 150A	Basic Musicianship	3
MUSI 158A	Music Theory I	4
MUSI 268A	Beginning Ear Training I	1

Select one course from the following:

ANTH 103	Introduction to Cultural Anthropology	3
ARTF 110	Art History: Prehistoric to Gothic	3
ARTF 113	Arts of Africa, Oceania, and the Americas	3
ARTF 125	Art History: Arts of the Asian Continent	3
ENGL 205	Critical Thinking and Intermediate Composition	3
HUMA 101	Introduction to the Humanities I	3
HUMA 102	Introduction to the Humanities II	3
HUMA 106	World Religions	3
PHIL 102A	Introduction To Philosophy: Reality and Knowledge	3
PSYC 101	General Psychology	3

Select 4 units from the following courses (not already selected above):

MUSI 103	History of Rock Music	3
MUSI 108	The Business of Music	3
MUSI 109	World Music	3
MUSI 111	Jazz History	3
MUSI 132A	Classical Guitar I	1
MUSI 132B	Classical Guitar II	1
MUSI 148B Music Theory II		3
MUSI 158B Music Theory II		4
MUSI 190	Electronic Music Studio	3
MUSI 201	Recording Arts	3
MUSI 202	Computer Music	3
MUSI 124B Piano Class II		1
MUSI 224A Piano Class III		1
MUSI 224B Piano Class IV		1
MUSI 116B Piano Class II		2
MUSI 216A Piano Class III		2
MUSI 216B College Piano IV		2
MUSI 268B	Ear Training II	1
ANTH 103	Introduction to Cultural Anthropology	3

ARTF 110	Art History: Prehistoric to Gothic	3
ARTF 113	Arts of Africa, Oceania, and the Americas	3
ARTF 125	Art History: Arts of the Asian Continent	3
ENGL 205	Critical Thinking and Intermediate Composition	3
HUMA 101	Introduction to the Humanities I	3
HUMA 102	Introduction to the Humanities II	3
HUMA 106	World Religions	3
PHIL 102A	Introduction To Philosophy: Reality and Knowledge	3
PSYC 101	General Psychology	3

Total Units = 18–2018

General Education: In addition to the courses listed above, students must complete one of the general education options listed on page 93:

- The IGETC pattern (page 116) is accepted by all CSU campuses and most UC campuses and majors. It is also accepted by some private/independent or out of state universities.
- The CSU GE pattern (page 124) is accepted by all CSU campuses and some private/independent or out of state universities. It is not accepted by the UC system.
- The San Diego Community College District General Education pattern (page 100) may be appropriate for students transferring to a private/independent or out of state university or to a high-unit major. Students selecting this option should meet with a counselor to determine the appropriate General Education courses for their individual transfer goals.

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

Electives as needed to meet minimum of 60 units required for the degree.

The following is added to/replaces information listed on pages 233-234:

Certificate of Achievement: Paralegal

This option is available to students entering the program who have completed all general education core requirements through coursework received by either an Associate in Arts degree or a Bachelor's degree. The Certificate of Achievement requires

completion of the core courses (18 units) and paralegal elective courses (12 units) for a total of 30 units. Up to 9 units of approved law-related courses may be substituted for paralegal electives.

Courses required for the Major:		Units
PARA 100	Legal Procedures	3
PARA 105	Legal Research	3
PARA 110	Legal Writing & Communications	3
PARA 115	Civil Litigation - Procedures	3
PARA 120	Tort Law	3
PARA 180	Contract Law	3

Select 12 units from the following paralegal elective courses:

PARA 140	Law Office Technology	3
PARA 145	Federal Court Practices and Procedures	3
PARA 150	Criminal Litigation and Procedure	3
PARA 155	Employment Law	3
PARA 160	Bankruptcy Law	3
PARA 165	Family Law	3
PARA 170	Corporate Law	3
PARA 175	Estates, Trusts, and Wills	3
PARA 200	Elder Law	3
PARA 205	Environmental Law	3
PARA 210	Immigration Law	3
PARA 220	Intellectual Property Law	3
PARA 225	Real Estate Law	3
PARA 230	Consumer Law	1
PARA 270	Paralegal Internship / Work Experience	1–4
PARA 296	Individualized Instruction in Legal Assistant	0.5–2

A maximum of 9 units from the following paralegal-related courses may be substituted for paralegal elective courses:

ADJU 102	Criminal Law I	3
ADJU 210	Rules of Evidence	3
ADJU 230	Constitutional Law I	3
BUSE 102	Introduction to Customer Service	3
BUSE 140	Business Law and the Legal Environment	3
CBTE 120	Beginning Microsoft Word	2
CBTE 127	Beginning Microsoft PowerPoint	2
CBTE 140	Beginning Microsoft Excel	2
CBTE 221	Legal Secretary Skills and Procedure	3

Total Units = 30

Associate of Science Degree: Paralegal

In addition to the 30 units of general education and graduation requirements listed in this catalog, the

Associate of Science degree as a Paralegal requires completion of the core courses (18 units) and paralegal elective courses (12 units) for a total of 60 units. Up to 9 units of approved law-related courses may be substituted for paralegal electives.

Courses Required for the Major:		Units
PARA 100	Legal Procedures	3
PARA 105	Legal Research	3
PARA 110	Legal Writing & Communications	3
PARA 115	Civil Litigation - Procedures	3
PARA 120	Tort Law	3
PARA 180	Contract Law	3

Select 12 units from the following paralegal elective courses:

PARA 140	Law Office Technology	3
PARA 145	Federal Court Practices and Procedures	3
PARA 150	Criminal Litigation and Procedure	3
PARA 155	Employment Law	3
PARA 160	Bankruptcy Law	3
PARA 165	Family Law	3
PARA 170	Corporate Law	3
PARA 175	Estates, Trusts, and Wills	3
PARA 200	Elder Law	3
PARA 205	Environmental Law	3
PARA 210	Immigration Law	3
PARA 220	Intellectual Property Law	3
PARA 225	Real Estate Law	3
PARA 230	Consumer Law	1
PARA 270	Paralegal Internship / Work Experience	1-4
PARA 296	Individualized Instruction in Legal Assistant	0.5-2

A maximum of 9 units from the following paralegal-related courses may be substituted for legal elective courses:

ADJU 102	Criminal Law I	3
ADJU 210	Rules of Evidence	3
ADJU 230	Constitutional Law I	3
BUSE 102	Introduction to Customer Service	3
BUSE 140	Business Law and the Legal Environment	3
CBTE 120	Beginning Microsoft Word	2
CBTE 127	Beginning Microsoft PowerPoint	2
CBTE 140	Beginning Microsoft Excel	2
CBTE 221	Legal Secretary Skills and Procedure	3

Total Units = 30

Additional general education and graduation requirements for the associate degree are listed in the Academic Requirements section of catalog. **The associate degree requires a minimum of 60 units.**

The following is added to/replaces information listed on pages 243-244:

Associate in Arts in Law, Public Policy, and Society for Transfer Degree:

This degree is accepted by some but not all CSU campuses.

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

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

- Completion of 60 CSU-transferable semester units. No more than 60 units are required.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major (see list above). All courses in the major must be completed with a grade of C or better. A "P" (Pass) grade is not acceptable for courses in the major.
- Certified completion of the California State University General Education-Breadth (CSUGE page 124); OR the Intersegmental General Education Transfer Curriculum pattern (IGETC page 116).

Courses Required for the Major:		Units
PADM 200	Introduction to Public Administration	3
ADJU 101	Introduction to Administration of Justice	3
or		
ADJU 102	Criminal Law I	3

	or	
ADJU 201	California Criminal Procedure	3
	or	
BUSE 140	Business Law and the Legal Environment	3
BUSE 115	Statistics for Business	3
	or	
MATH 115	Gateway to Experimental Statistics	4
	or	
MATH 119	Elementary Statistics	3
	or	
PSYC 258	Behavioral Science Statistics	3
COMS 103	Oral Communication	3
ECON 120	Principles of Macroeconomics	3
	or	
ECON 121	Principles of Microeconomics	3
ENGL 101	Reading and Composition	3
ENGL 205	Critical Thinking and Intermediate Composition	3
	or	
COMS 160	Argumentation	3
HIST 109	History of the United States I	3
	or	
HIST 110	History of the United States II	3
PHIL 102B	Introduction to Philosophy: Values	3
POLI 102	Introduction to American Government	3

Select one of the following law-related courses

ADJU 101	Introduction to Administration of Justice	3
ADJU 102	Criminal Law I	3
ADJU 201	Criminal Procedure	3
BUSE 140	Business Law and the Legal Environment	3

Select one of the following statistics courses

BUSE 115	Statistics for Business	3
MATH 119	Elementary Statistics	3
PSYC 258	Behavioral Science Statistics	3

Select one of the following economics courses

ECON 120	Principles of Macroeconomics	3
ECON 121	Principles of Microeconomics	3

Select one of the following critical thinking courses

ENGL 205	Critical Thinking and Intermediate Composition	3
COMS 160	Argumentation	3

Select one of the following U.S. History courses

HIST 109	History of the United States I	3
HIST 110	History of the United States II	3

Total Units = 30-31/30

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

Note: It is recommended that students select courses that meet lower division major preparation requirements for their transfer university.

Electives as needed to meet maximum of 60 CSU-transferable units required for the degree.

The following is added to/replaces information listed on pages 277:

167T Honda/Toyota Advanced Engine Performance

**2 hours lecture, 6 hours lab, 4 units
Grade Only**

Prerequisite: Automotive Technology 162T, and Automotive Technology 165T, each with a grade of "C" or better, or equivalent.

Limitation on Enrollment: This course is not open to students with previous credit for Automotive Technology 67T.

This course builds on skills learned in the Honda Toyota Engine Performance course with an emphasis on engine diagnostics. Topics include an in-depth study of Honda/Toyota system monitors, engine misfire, oxygen (O2) and Air Fuel (A/F) sensors, fuel systems, and emission control systems. This course prepares students for the Automotive Service Excellence (ASE) L-1 certification and is intended for automotive technology students seeking Honda Professional Automotive Career Training (PACT) or Toyota Technician (T-TEN) certification. (FT) AA/AS; CSU.