



Miramar College

2015-2016 Catalog

Addenda/Errata

The following is replacing information listed on page 138: Art

Associate of Arts Degree

Art- Fine Art

Craft Skills

Courses Required for the Major:	Units
ARTF 150A Two-Dimensional Design	3
ARTF 151 Three-Dimensional Design	3
ARTF 155A Freehand Drawing I	3
ARTF 170A Contemporary Crafts I	3
ARTF 195A Ceramics I	3

~~Any art history course or~~
~~PHOT 105 Introduction to Photography* (City) 3~~

Total Units = ~~27~~ 24

Select six units from the following:	Units
ARTF 109 History of Modern Art <u>Modern</u> <u>Art or</u>	3
ARTF 110 Art History: Prehistoric to Gothic or	3
ARTF 111 Art History: Renaissance to Modern	3

Select three units from the following:	Units
ARTF 107 Contemporary Art	3
<u>ARTF 109 Modern Art</u>	<u>3</u>
<u>ARTF 110 Art History: Prehistoric to Gothic</u>	<u>3</u>
<u>ARTF 111 Art History: Renaissance to</u> <u>Modern</u>	<u>3</u>
<u>ARTF 113 Arts of Africa, Oceania, and the</u> <u>Americas</u>	<u>3</u>
<u>ARTF 125 Art History: Arts of the Asian</u> <u>Continent</u>	<u>3</u>
ARTF 155B Freehand Drawing II	3
ARTF 161A Museum Studies/Gallery Exhibition Skills I (Mesa)	3
ARTF 161B Museum Studies/Gallery Exhibition Skills II (Mesa)	3
ARTF 170B Contemporary Crafts II	3
ARTF 170C Contemporary Crafts III	3
ARTF 175A Sculpture I (City, Mesa)	3
ARTF 195B Ceramics II	3
ARTF 195C Ceramics III	3
ARTF 196 Clay and Glaze Technology (City, Mesa)	3
ARTF 220A Life Sculpture I	3



Miramar College 2015-2016 Catalog Addenda/Errata

Associate of Arts Degree Art- Fine Art Studio Arts

Courses Required for the Major:	Units
ARTF 100 Art Orientation or	3
ARTF 161A Museum Studies/Gallery Exhibition Skills I	3
ARTF 150A Two-Dimensional Design	3
ARTF 150B Beginning Graphic Design	3
ARTF 151 Three-Dimensional Design or	3
ARTF 161B Museum Studies/Gallery Exhibition Skills II	3
ARTF 155A Freehand Drawing I	3
ARTF 155B Freehand Drawing II	3
ARTF 165A Composition in Painting I	3
ARTF 175A Sculpture I	3
ARTF 210A Life Drawing I or	
ARTF 220A Life Sculpture I	3

Select six units from the following:	Units
ARTF 109 History of Modern Art <u>Modern Art</u> or	3
ARTF 110 Art History: Prehistoric to Gothic or	3
ARTF 111 Art History: Renaissance to Modern	3

Foreign Language Requirement: three semesters of one foreign language or the successful completion of a proficiency examination is required. 15

<u>SPAN 101 First Course in Spanish</u>	<u>5</u>
<u>SPAN 102 Second Course in Spanish</u>	<u>5</u>
<u>SPAN 201 Third Course in Spanish</u>	<u>5</u>
<u>SPAN 202 Fourth Course in Spanish</u>	<u>5</u>
<u>TAGA 101 First Course in Tagalog</u>	<u>5</u>
<u>TAGA 102 Second Course in Tagalog</u>	<u>5</u>
<u>TAGA 201 Third Course in Tagalog</u>	<u>5</u>

Total Units = 48 45



Miramar College 2015-2016 Catalog Addenda/Errata

The following is replacing information listed on pages 140-141: Art

Certificate of Achievement Graphics

Courses Required for the Major:	Units
ARTF 150A Two-Dimensional Design	3
ARTF 150B Beginning Graphic Design.....	3
ARTF 155A Freehand Drawing I	3
ARTD 160 Vector Art 01: Illustration or ARTD 160A Vector Art 01: Illustration Tools and	
ARTD 160B Vector Art 01: Illustration Tasks	3
ARTD 170 Raster Art 01: Image Editing or ARTD 170A Raster Art 01A: Image Editing Tools and	
ARTD 170B Raster Art 01B: Image Editing Tasks	3
ARTD 180 Composition 01: Page Building Tools or	
ARTG 126 Intermediate Digital Media	3
ARTD 181 Projects 01: Multi-modal productions.....	3
ARTG 106 Typography	3
ARTG 148A Portfolio A.....	3
ARTG 149 Studio Practices.....	3

Complete 6 units from the following list of elective courses.

	Units
<u>ARTF 282 Open Studio</u>	<u>1</u>
ARTD 158 Survey of Graphics Technology	3
ARTF 155B Freehand Drawing II	3
ARTF 198A Introduction to Printmaking I.....	3
<u>ARTF 280D Digital Art Studio Lab</u>	<u>1</u>
ARTG 118 Graphic Design History.....	3
ARTG 133 Intermediate Graphic Design II (Identity Systems and Packaging)	3
ARTG 148B Portfolio B	3
ARTG 270 Work Experience in Graphic Design	1 - 4
ARTG 290 Independent Study in Graphic Design	1 - 3
BUSE 100 Introduction to Business	3
BUSE 119 Business Communications.....	3

Total Units = 36

Associate of Arts Degree Graphics

Courses Required for the Major:	Units
ARTF 150A Two-Dimensional Design.....	3
ARTF 150B Beginning Graphic Design.....	3
ARTF 155A Freehand Drawing I	3
ARTD 160 Vector Art 01: Illustration or ARTD 160A Vector Art 01: Illustration Tools and	
ARTD 160B Vector Art 01: Illustration Tasks	3
ARTD 170 Raster Art 01: Image Editing or ARTD 170A Raster Art 01A: Image Editing Tools and	
ARTD 170B Raster Art 01B: Image Editing Tasks	3
ARTD 180 Composition 01: Page Building Tools or	
ARTG 126 Intermediate Digital Media	3
ARTD 181 Projects 01: Multi-modal productions.....	3
ARTG 106 Typography	3
ARTG 148A Portfolio A	3
ARTG 149 Studio Practices.....	3

Complete 6 units from the following list of elective courses.

	Units
<u>ARTF 282 Open Studio</u>	<u>1</u>
ARTD 158 Survey of Graphics Technology	3
ARTF 155B Freehand Drawing II	3
ARTF 198A Introduction to Printmaking I.....	3
<u>ARTF 280D Digital Art Studio Lab</u>	<u>1</u>
ARTG 118 Graphic Design History	3
ARTG 133 Intermediate Graphic Design II (Identity Systems and Packaging)	3
ARTG 148B Portfolio B	3
ARTG 270 Work Experience in Graphic Design	1 - 4
ARTG 290 Independent Study in Graphic Design	1 - 3
BUSE 100 Introduction to Business	3
BUSE 119 Business Communications.....	3

Total Units = 36



Miramar College

2015-2016 Catalog

Addenda/Errata

The following is added to page 158: Business

Associate in Arts in Economics for Transfer Degree

Courses Required for the Major:	Units
ECON 120 Principles of Macroeconomics	3
ECON 121 Principles of Microeconomics.....	3
MATH 119 Elementary Statistics or	
PSYC 258 Behavioral Science Statistics	3
MATH 121 Basic Techniques of Applied Calculus I or	
MATH 150 Calculus with Analytic Geometry I	3-5

Select at least 3 units from the following courses (not already selected above):	Units
ACCT 116A Financial Accounting	4
ACCT 116B Managerial Accounting	4
BUSE 119 Business Communications	3
BUSE 140 Business Law and the Legal Environment	3
CBTE 210 Computers in Business.....	3
COMS 160 Argumentation	3
CISC 181 Principles of Information Systems	4
CISC 186 Visual Basic Programming	4
ENGL 105 Composition and Literature	3
ENGL 205 Critical Thinking and Intermediate Composition	3
MATH 104 Trigonometry.....	3
MATH 116 College and Matrix Algebra.....	3
MATH 122 Basic Techniques of Calculus II.....	3
MATH 141 Precalculus	5
MATH 151 Calculus with Analytic Geometry II	4
MATH 252 Calculus with Analytic Geometry III.....	4
MATH 255 Differential Equations	3
PHIL 205 Critical Thinking and Writing in Philosophy.....	3
SOCO 101 Principles of Sociology	3

BUSE 140 Business Law and the Legal Environment.....	3
CBTE 210 Computers in Business	3
COMS 160 Argumentation.....	3
CISC 181 Principles of Information Systems	4
CISC 186 Visual Basic Programming	4
ENGL 105 Composition and Literature.....	3
ENGL 205 Critical Thinking and Intermediate Composition	3
MATH 104 Trigonometry	3
MATH 116 College and Matrix Algebra.....	3
MATH 122 Basic Techniques of Calculus II	3
MATH 141 Precalculus	5
MATH 151 Calculus with Analytic Geometry II.....	4
MATH 252 Calculus with Analytic Geometry III.....	4
MATH 255 Differential Equations	3
PHIL 205 Critical Thinking and Writing in Philosophy.....	3
SOCO 101 Principles of Sociology	3

Total Units = 18-24

Select one of the following courses (3-5 units) not already selected above:	Units
ACCT 116A Financial Accounting.....	4
ACCT 116B Managerial Accounting	4
BUSE 119 Business Communications	3



Miramar College

2015-2016 Catalog

Addenda/Errata

The following is replacing information on pages 179-180: Diesel Technology

Certificate of Achievement
Diesel Technology
~~**Diesel Equipment Repair Technology**~~
Heavy Duty Diesel and Advanced
Transportation Technology
(HDDAT) (Evening Program)

Certificate of Achievement
Diesel Technology
Heavy Duty Transportation Technology
(HDTT)
(Day Program)

Courses Required for the Major:	Units
DIES 100 Introduction to Diesel Technology....	2
DIES 105 Measuring Tools and Applied Mathematics	2
DIES 131 Alternative-Fueled Engine Overhaul	4
DIES 135 Applied Failure Analysis.....	3
DIES 137 Diesel Fuel Injection Systems	2
DIES 138 Electrical Systems	3
DIES 144 Electronics for Diesel Technology	3
DIES 155 Air Brake Systems.....	3
DIES 160 Heavy Duty Manual Transmissions ..	3
DIES 170 Truck Drive Axles and Specifications	3

Select one course from:	Units
DIES 125 Diesel Engines I or	
DIES 126 Diesel Engines II or	
DIES 128 Diesel Engines III.....	4

Select one course from:	Units
DIES 160 Heavy Duty Manual Transmissions or	
DIES 165 Truck Automatic Transmissions	3

Total Units = 32

Courses Required for the Major:	Units
DIES 100 Introduction to Diesel Technology	2
<u>DIES 101 Heavy Duty Truck, Advanced Transportation, Equipment Preventive Maintenance and Inspections.....</u>	<u>2</u>
<u>DIES 102 Heavy Duty Truck and Heavy Equipment Heating and Air Conditioning.....</u>	<u>2</u>
DIES 105 Measuring Tools and Applied Mathematics	2
DIES 123 Diesel Engines C	2
DIES 138 Electrical Systems.....	3
DIES 144 Electronics for Diesel Technology.....	3
DIES 155 Air Brake Systems	3
DIES 160 Heavy Duty Manual Transmissions and	3
DIES 175 Truck Chassis R&R	3
DIES 165 Truck Automatic Transmissions and	3
DIES 200 Mobile Hydraulic Systems.....	3
DIES 170 Truck Drive Axles and Specifications	3
DIES 180 Steering, Suspension, and Driveline Systems	3

Select two courses from:	Units
DIES 121 Diesel Engines A or	
DIES 122 Diesel Engines B or	
DIES 124 Diesel Engines D	14

Select one course from:	Units
<u>DIES 160 Heavy Duty Manual Transmissions or</u>	<u>3</u>
<u>DIES 165 Truck Automatic Transmissions</u>	<u>3</u>

Total Units = 47 48



Miramar College

2015-2016 Catalog

Addenda/Errata

Certificate of Achievement Diesel Technology Heavy Equipment Technology (HET) (Day Program)

Associate of Science Degree Diesel Technology Heavy Duty Transportation Technology (HDTT) (Day Program)

Courses Required for the Major:	Units
DIES 100 Introduction to Diesel Technology.....	2
<u>DIES 101 Heavy Duty Truck, Advanced Transportation, Equipment Preventive Maintenance and Inspections</u>	<u>2</u>
<u>DIES 102 Heavy Duty Truck and Heavy Equipment Heating and Air Conditioning.....</u>	<u>2</u>
DIES 105 Measuring Tools and Applied Mathematics	2
DIES 123 Diesel Engines C	2
DIES 138 Electrical Systems	3
DIES 144 Electronics for Diesel Technology....	3
DIES 160 Heavy Duty Manual Transmissions and	3
DIES 200 Mobile Hydraulic Systems	3
DIES 210 Brakes, Final Drives and Steering Systems	3
DIES 220 Undercarriage and	3
DIES 230 Heavy Equipment Transmissions	3
DIES 240 Equipment Chassis R&R.....	3
Select two courses from:	Units
DIES 121 Diesel Engines A or	
DIES 122 Diesel Engines B or	
DIES 124 Diesel Engines D.....	14
Total Units = 44	<u>48</u>

Courses Required for the Major:	Units
DIES 100 Introduction to Diesel Technology	2
<u>DIES 101 Heavy Duty Truck, Advanced Transportation, Equipment Preventive Maintenance and Inspections</u>	<u>2</u>
<u>DIES 102 Heavy Duty Truck and Heavy Equipment Heating and Air Conditioning</u>	<u>2</u>
DIES 105 Measuring Tools and Applied Mathematics	2
DIES 123 Diesel Engines C.....	2
DIES 138 Electrical Systems.....	3
DIES 144 Electronics for Diesel Technology.....	3
DIES 155 Air Brake Systems	3
DIES 160 Heavy Duty Manual Transmissions and	
DIES 170 Truck Drive Axles and Specifications	3
DIES 175 Truck Chassis R&R	3
DIES 165 Truck Automatic Transmissions and	
DIES 180 Steering, Suspension, and Driveline Systems	3
DIES 200 Mobile Hydraulic Systems.....	3
Select two courses from:	Units
DIES 121 Diesel Engines A or	
DIES 122 Diesel Engines B or	
DIES 124 Diesel Engines D	14
Select one course from:	Units
<u>DIES 160 Heavy Duty Manual Transmissions or</u>	
<u>DIES 165 Truck Automatic Transmissions</u>	<u>3</u>

Total Units = 47 48



Miramar College 2015-2016 Catalog Addenda/Errata

Associate of Science Degree Diesel Technology Heavy Equipment Technology (HET) (Day Program)

Courses Required for the Major: Units

DIES 100 Introduction to Diesel Technology.....	2
<u>DIES 101 Heavy Duty Truck, Advanced Transportation, Equipment Preventive Maintenance and Inspections</u>	<u>2</u>
<u>DIES 102 Heavy Duty Truck and Heavy Equipment Heating and Air Conditioning.....</u>	<u>2</u>
DIES 105 Measuring Tools and Applied Mathematics	2
DIES 123 Diesel Engines C	2
DIES 138 Electrical Systems	3
DIES 144 Electronics for Diesel Technology....	3
DIES 160 Heavy Duty Manual Transmissions and	3
DIES 200 Mobile Hydraulic Systems	3
DIES 210 Brakes, Final Drives and Steering Systems	3
DIES 220 Undercarriage and	3
DIES 230 Heavy Equipment Transmissions	3
DIES 240 Equipment Chassis R&R.....	3

Select two courses from: Units

DIES 121 Diesel Engines A or	
DIES 122 Diesel Engines B or	
DIES 124 Diesel Engines D.....	14

Total Units = 44 48



Miramar College

2015-2016 Catalog

Addenda/Errata

The following is added to page 345: Fire Protection Technology

FIPT 106 Truck Company Operations

**48 - 54 hours lecture, 3 units
Grade Only**

Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

This course introduces students to the planning and operation of truck companies at fires and other emergencies. Topics include truck company equipment; personnel requirements; and truck company responsibilities that relate to the strategies, tactics, and specialized skills required for truck company operations. This course is intended for students majoring in Fire Technology. (FT) AA/AS; CSU.