

**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

**Subject: Agriculture (AGRI) Discipline: Agricultural Production**

<p><b>102 Sustainable Urban Agricultural Practice</b>                  24 - 27 hours lecture, 72 - 81 hours lab, 3 units  <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6.                  This course integrates theoretical and practical aspects of small-scale organic urban farming. It includes hands-on instruction and an introduction to a range of farm-related topics, including composting and vermicomposting, irrigation systems, propagation and greenhouse management, soil fertility, integrated pest management, plant pathology and disease management, permaculture techniques, and small fruit orchard management. Students explore personal agricultural interests through research projects, visit local farms and gardens and attend key sustainable garden and farm events throughout the semester. This course is intended for students interested in agriculture, environmental science and sustainability.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> Required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Course Description</i>  <i>Texts</i>  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Agriculture (AGRI) Discipline: Agricultural Production**

<p><b>104 Seasonal Organic Production</b>                  24 - 27 hours lecture, 72 - 81 hours lab, 3 units  <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6.                  This course is a hands-on study of cultural practices, varieties, and economics of production of major seasonal vegetable crops in San Diego County. Topics include strategies for starting and maintaining seasonal crops, innovative irrigation methods, essential weed and pest control measures, and marketing. Organic methods are emphasized. This course is intended for students interested in agriculture, environmental science, agricultural education and sustainability.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. UC Transfer Course List.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Discipline</i>  <i>Texts</i>  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Agriculture (AGRI)**

<p><b>*~ 106 Warm Season Organic Production</b>  <b>24 - 27 hours lecture, 72 - 81 hours lab, 3 units</b>  <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6.  This course is a hands-on study of cultural practices, varieties, and economics of production of major warm season vegetable crops in San Diego County. Topics include strategies for starting and maintaining crops, innovative irrigation methods, essential weed and pest control measures, and marketing. Organic methods are emphasized. This course is intended for students interested in agriculture, environmental science, agricultural education and sustainability.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. UC Transfer Course List.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)</p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Agriculture (AGRI) Discipline: Agricultural Production**

<p><b>108 Building Fertile Soil Organically</b>  <b>24 - 27 hours lecture, 72 - 81 hours lab, 3 units</b>  <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6.  This course demonstrates the vital connection between soil and the food chain that sustains life on this planet. Topics include current trends in soil erosion and degradation, the many roles that soil plays in our environment, symbiotic relationships between beneficial microorganisms and plants, and disease and pest suppression through proper soil management practices. Students participate in creating and maintaining enhanced soil fertility. This course is intended for students interested in the theory and practice of organic soil conservation and management.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Discipline</i>  <i>Texts</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Agriculture (AGRI) Discipline: Agricultural Production**

<p><b>110 Organic Fruit Tree Care</b></p> <p style="text-align: right;"><b>24 - 27 hours lecture, 72 - 81 hours lab, 3 units</b> <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6. This course introduces students to fruit tree selection, planting and care for small-scale orchards or home gardens. The course includes knowledge about desirable varieties, hands-on pruning and training methods, and details on pest management. The emphasis is on organic production methods. This course is intended for students interested in agricultural production, agricultural education and sustainability.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Discipline</i> <i>Texts</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Agriculture (AGRI) Discipline: Agricultural Production**

<p><b>116 Drip Irrigation Basics</b></p> <p style="text-align: right;"><b>32 - 36 hours lecture, 2 units</b> <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6. This course integrates theoretical and practical aspects of modern high efficiency, low volume irrigation design, installation and maintenance. Topics include water use in California's Southwestern desert climate, site analysis, soil/water relationships, and transformation of existing wasteful irrigation systems to efficient low volume systems. Students troubleshoot and solve irrigation system problems and prepare a cost estimate for an irrigation system. This course is intended for students interested in agriculture, water conservation, or landscape technology.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Discipline</i> <i>Texts</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Agriculture (AGRI)**

<p><b>*~ 118 Sustainable Landscaping Using Organic Methods</b>  <span style="float: right;"><b>48 - 54 hours lecture, 3 units</b></span>  <span style="float: right;"><b>Letter Grade or Pass/No Pass Option</b></span></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6.  This course integrates theoretical and practical aspects of chemical-free environmentally friendly landscape design, installation and maintenance. The course provides tried and true alternative horticultural practices that work with, rather than control, nature. This course is intended for students interested in landscaping, agriculture, water conservation, green landscape architecture, landscape technology, environmental design and sustainability.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. UC Transfer Course List.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Agriculture (AGRI)**

<p><b>*~ 126 Introduction to Permaculture Design</b>  <span style="float: right;"><b>32 - 36 hours lecture, 2 units</b></span>  <span style="float: right;"><b>Letter Grade or Pass/No Pass Option</b></span></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6.  This course introduces students to the strategies and techniques of applied permaculture design for creating resilient and livable human communities. Through observation of natural patterns and understanding mutually beneficial relationships in gardens as well as other permaculture principles, students learn how to grow food and plants in harmony with nature. This course is intended for students pursuing careers in agriculture, environmental studies, landscaping and urban planning.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Agriculture (AGRI) Discipline: Agricultural Production**

<p><b>128 Food Preservation Skills</b></p> <p style="text-align: right;"><b>16 - 18 hours lecture, 1 units</b> <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6. This course introduces students to the practice of Food Preservation in a time of energy descent. Topics include canning, dehydrating, fermenting, food preservation history and philosophical approaches associated with insuring food security. This course is intended for students interested in agricultural production, culinary arts and food science.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Discipline</i> <i>Texts</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Agriculture (AGRI) Discipline: Agricultural Production**

<p><b>130 Agriculture Direct Marketing Internship</b></p> <p style="text-align: right;"><b>48 - 54 hours lab, 1 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6. This course provides theory and practice in the direct marketing of fresh produce by way of community supported agriculture (CSA) and farmers' markets. Classroom time provides an introduction to the marketing options available to small urban farmers and to the business planning process. Students learn to harvest and prepare produce for sale, and gain hands-on experience managing the campus' weekly farm stand and CSA program. This course is intended for students who plan to complete the Urban Farming Certificate of Achievement. It is also intended for urban agriculture students interested in learning direct marketing of farm products or running a related business.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Discipline</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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<p><b>270 Work Experience in Sustainable Urban Agriculture</b> <b>60 - 300 hours other, 1-4 units</b> <b>Grade Only</b></p> <p>A program of on-the-job learning experiences for students employed in a job related to an occupationally oriented major for which no work experience course is offered. This course may be taken for a maximum of 16 units. However, the combined maximum credit for all Work Experience courses from all disciplines may not exceed 16 units.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> Required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Discipline</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Air Conditioning, Heating, And Solar Energy (AIRE) Discipline: Air Conditioning, Refrigeration, Heating**

<p><b>144 Direct Digital Controls Theory</b> <b>64 - 72 hours lecture, 4 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Corequisite:</i> Air Conditioning, Heating, and Solar Energy 145. <i>Advisory:</i> Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30; Air Conditioning, Heating, and Solar Energy 100, Air Conditioning, Heating, and Solar Energy 124 and Air Conditioning, Heating, and Solar Energy 132, each with a grade of "C" or better, or equivalent.</p> <p>This course is a study of Direct Digital Control (DDC) theory: rationale, DDC system design, DDC system sensors, DDC controllers and advanced heating, ventilation and air conditioning (HVAC) controls, network architecture, Internet protocol (IP) addressing and interoperation, open and non-proprietary systems, American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) BACnet, and the LonWorks platform. The course examines BACnet DDC hybrid control strategies using various analog and binary system actuators. Specific emphasis is placed on developing student skills using networks that are built into the AIRE Program DDC lab equipment and utilized throughout the world. This course is intended for students in the air conditioning, heating and refrigeration technology program and professionals who want to update their skills.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (Change)</i> <i>Course Description</i> <i>Texts</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Air Conditioning, Heating, And Solar Energy (AIRE) Discipline: Air Conditioning, Refrigeration, Heating**

<p><b>145 Direct Digital Controls Lab</b></p> <p align="right"><b>96 - 108 hours lab, 2 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Corequisite:</i> Air Conditioning, Heating, and Solar Energy 144.  <i>Advisory:</i> Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30 and Air Conditioning, Heating, and Solar Energy 125 with a grade of "C" or better, or equivalent.  This course applies Direct Digital Control (DDC) theory to laboratory projects: system design, American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) BACnet DDC controller selection and integration with heating, ventilation and air conditioning (HVAC) system components, BACnet network architecture, development of graphical views and hierarchical database tree, logical BACnet program development, and construction of DDC system operator machine interface graphics. Course projects include the development of a facility graphical view and control hierarchy tree, setup of a control logic diagram using blocks, symbols and wires, and construction of an operator graphical interface. Laboratory training simulations are compared to actual DDC HVAC control strategies used throughout the world. This course is intended for students in the air conditioning, heating and refrigeration technology program and professionals who want to update their skills.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Revision  (May Include Activation)  <i>Six Year Review</i>  <i>Advisory (Change)</i>  <i>Course Description</i>  <i>Texts</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Anthropology (ANTH) Discipline: Anthropology**

<p><b>*~ 110 Anthropology of Magic, Witchcraft, and Religion</b> <b>48 - 54 hours lecture, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> English 101 or English 105, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6. This course is a survey of magic and religion as expressed through rituals, myths, and symbols in cross-cultural perspective. Emphasis is placed on the theoretical and methodological approaches to the study of magic, witchcraft, and religion. This course is intended for students majoring in anthropology and all other interested students.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course <b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><i>This course is being proposed at Mesa for:</i></p> <ul style="list-style-type: none"><li>• <b>CSU General Education: DI Area D. Social Sciences- Anthropology and Archeology</b></li><li>• <b>District General Education: D Social and Behavioral Sciences</b></li><li>• <b>IGETC: Area 4. Social and Behavioral Sciences - 4A: Anthropology and Archaeology</b></li></ul> <p><i>To be reviewed at the May 8<sup>th</sup> CIC meeting</i></p> <p><i>This course is being proposed at Mesa for UC Transfer Course List</i></p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Architecture (ARCH) Discipline: Architecture**

<p><b>*~ 100A Introduction to Architecture and Landscape Architecture</b> <b>48 - 54 hours lecture, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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 professions of Architecture and Landscape Architecture. Emphasis is placed on the history, theory, professional practices, education, and licensing requirements of Architecture and Landscape Architecture. This course is intended for students interested in exploring the field of Environmental Design.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course <b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Architecture (ARCH) Discipline: Architecture**

<p><b>101 Introduction to ArchiCAD</b></p> <p style="text-align: right;"><b>32 - 36 hours lecture, 64 - 72 hours lab, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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, Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30. This course is a practical study ArchiCAD software and its application to architectural design. Emphasis is placed on the use of ArchiCAD software to develop and document architectural models. This course is designed for architecture majors and anyone interested in 3-D architectural modeling.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (Change)</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Architecture (ARCH) Discipline: Architecture or Interior Design**

<p><b>105 Introduction to AutoCAD</b></p> <p style="text-align: right;"><b>96 - 108 hours lab, 2 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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, Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30. <i>Advisory: Completion of or concurrent enrollment in</i> Architecture 100 with a grade of "C" or better, or equivalent. This course is a practical study of computer aided drafting and design for architectural, construction, and interior design purposes using AutoCAD. Emphasis is placed on two-dimensional (2D) drawing commands. This course is intended for students majoring in architecture and interior design.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (Change)</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Architecture (ARCH) Discipline: Architecture or Interior Design**

<p><b>107 Introduction to Revit</b></p> <p style="text-align: right;"><b>24 - 27 hours lecture, 72 - 81 hours lab, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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, Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30. This course is a hands-on study of computer-aided drafting and design (CADD) using three dimensional (3-D) parametric solid modeling programs, such as Revit and AutoCAD. Emphasis is placed on the use of CADD to electronically assemble projects from instructor-defined programs and to coordinate those drawings into architectural construction documents. This course is designed for architecture, interior design, and building construction technology majors.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (Change)</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Art-Fine Art (ARTF) Discipline: Art**

<p><b>151 Three-Dimensional Design</b></p> <p style="text-align: right;"><b>32 - 36 hours lecture, 64 - 72 hours lab, 3 units</b> <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6. <i>Advisory: Completion of or concurrent enrollment in Art-Fine Art 150A with a grade of "C" or better, or equivalent.</i> This course is an introduction to three-dimensional space and form. Emphasis is placed on organizing visual space into valid and coherent structures. This course is designed for students beginning the study of art and/or related disciplines.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. UC Transfer Course List.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Advisory (New)</i> <i>Prerequisite (Remove)</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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Actions Approved – March 13, 2014 Addendum**

**Subject: Art-Fine Art (ARTF) Discipline: Art and Ceramic Technology**

<p><b>*~ 207 Industrial and Architectural Ceramic Design I</b>  <b>32 - 36 hours lecture, 64 - 72 hours lab, 3 units</b>  <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6; Art-Fine Art 150A and Art-Fine Art 195A, each with a grade of "C" or better, or equivalent.  This course is an overview of contemporary industrial and architectural ceramic design, emphasis on creating multiples in production and architectural ceramics. Students produce the designs suitable for mold making and casting to produce multiples. This Course is designed for students interested in arts, public arts and creating a small business.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Automotive Technology (AUTO) Discipline: Automotive Technology**

<p><b>~86 BAR Specified Diagnostic, Repair, and Level 2 Inspection Training</b>  <b>32 - 36 hours lecture, 96 - 108 hours lab, 4 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> 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, Mathematics 34A with a grade of "C" or better, or equivalent or Assessment Skill Level M20.  <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Automotive Technology 85 or the combination of Automotive Technology 65 and Automotive Technology 67.  This course provides Bureau of Automotive Repair (BAR) Specified Diagnostic and Repair training and Level 2 Procedures training. Students develop a high level of competency in the diagnosis and repair of Smog Check failures, including electrical/electronic systems and engine and emission control performance. Students with at least two years of engine performance repair experience who successfully complete this course may apply to the BAR for approval to take the state Smog Check Repair Technician License examination. Students also develop the knowledge, skills, and abilities needed to perform Smog Check inspections. Students who successfully complete this course meet the BAR training requirements to take the Smog Check Inspector state licensing examination. This course is intended for current or future automotive technicians.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision  (May Include Activation)  <i>Six Year Review</i>  <i>Advisory (New)</i>  <i>Course Description</i>  <i>Course Number (was 85)</i>  <i>Equivalency (New)</i>  <i>Hours</i>  <i>Limitation on Enrollment (New)</i>  <i>Methods of Instruction</i>  <i>Outline of Topics</i>  <i>Supplies</i>  <i>Texts</i>  <i>Title</i>  <i>Units</i>  <b>Approved</b></p> <p><b>Proposed for College(s):</b> Miramar</p> <p><b>Originating Campus:</b> MIRAMAR</p> <p><b>Effective:</b> Fall 2014</p>
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\*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

Approved

**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

**Subject: Aviation Maintenance Technology (AVIM) Discipline: Aeronautics or Aviation or Counseling**

<b>270 Work Experience</b>  A program of on-the-job learning experiences for students employed in a job related to their major or their educational goals. The combined maximum credit for all work experience courses from all disciplines may not exceed 16 units.  <b>FIELD TRIP REQUIREMENTS:</b> Not required  <b>TRANSFER APPLICABILITY:</b> Associate Degree Credit & transfer to CSU.	<b>60 - 300 hours other, 1-4 units Grade Only</b>	<b>Offered At:</b> Miramar  <b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Methods of Evaluation</i> <i>Texts</i> <b>Approved</b>  <b>Proposed for College(s):</b> Miramar  <b>Originating Campus:</b> MIRAMAR  <b>Effective:</b> Fall 2014
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**Subject: Biology (BIOL) Discipline: Biological Sciences**

<b>230 Human Anatomy</b>  <b>REQUISITES:</b> <i>Prerequisite:</i> Biology 107, Biology 160 or Biology 210A, each with a grade of "C" or better, or equivalent. This course is a systems approach to the study of human body structure from the microscopic level of organization to the gross level. Structure related to function from study of histological slides, photomicrographs, anatomical models and charts, and mammalian (cat) dissection. This course is intended to meet the requirements of students in the fields of nursing, physical therapy, recreational therapy, occupational therapy, athletic training, chiropractic, psychology, physical education, and biology or those who wish to extend their knowledge of the human body beyond the scope of introductory biology.  <b>FIELD TRIP REQUIREMENTS:</b> May be required  <b>TRANSFER APPLICABILITY:</b> Associate Degree Credit & transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.	<b>32 - 36 hours lecture, 96 - 108 hours lab, 4 units Grade Only</b>	<b>Offered At:</b> City, Mesa, Miramar  <b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Methods of Evaluation</i> <i>Methods of Instruction</i> <i>Outline of Topics</i> <i>Prerequisite (New)</i> <i>Reading Assignments</i> <i>Student Learning Objectives</i> <i>Texts</i> <i>Writing Assignments</i> <b>Approved</b>  <b>Proposed for College(s):</b> City, Mesa, Miramar  <b>Originating Campus:</b> MESA  <b>Effective:</b> Fall 2014
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\*Requires Board of Trustees approval prior to implementation  
~Course requires CCCC submission

Approved

**Curriculum Instructional Council**  
**Actions Approved – March 13, 2014 Addendum**

**Subject: Business (BUSE) Discipline: Business**

<p><b>~158A enactus - High School Projects</b></p> <p style="text-align: right;"><b>144 - 162 hours lab, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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 provides students with the opportunity to solidify and implement fundamental business concepts through mentorship and collaboration with high school students on a community service project related to food collection and distribution. Students develop high school level business and project planning curriculum, create and maintain working relationships with local business people, and develop leadership skills as they guide a group of high school students through project planning, development, implementation, and evaluation. This course is intended for students majoring in business and students from all disciplines interested in developing business and leadership skills through working with high school students on a community service project.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (Change)</i> <i>Course Description</i> <i>Critical Thinking Assignments</i> <i>Methods of Evaluation</i> <i>Methods of Instruction</i> <i>Outline of Topics</i> <i>Outside Assignments</i> <i>Reading Assignments</i> <i>Student Learning Objectives</i> <i>Texts</i> <i>Title Change</i> <i>Writing Assignments</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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Approved

**Curriculum Instructional Council**  
**Actions Approved – March 13, 2014 Addendum**

**Subject: Business (BUSE) Discipline: Business**

<p><b>~158B enactus - Elementary and Middle School Projects</b></p> <p style="text-align: right;"><b>144 - 162 hours lab, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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 provides students with the opportunity to solidify and implement fundamental business and business ethics concepts through mentorship and collaboration with elementary and middle school students on projects related to environmental awareness and recycling. Students develop elementary and middle school business ethics curriculum, create and maintain working relationships with local business people, and develop leadership skills as they guide a group of students through project planning, development, implementation, and evaluation. This course is intended for students majoring in business and students from other disciplines interested in developing business and leadership skills through working with elementary and middle school students on environmental awareness projects.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (Change)</i> <i>Course Description</i> <i>Critical Thinking Assignments</i> <i>Methods of Evaluation</i> <i>Methods of Instruction</i> <i>Outline of Topics</i> <i>Outside Assignments</i> <i>Reading Assignments</i> <i>Student Learning Objectives</i> <i>Texts</i> <i>Title Change</i> <i>Writing Assignments</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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Approved

**Curriculum Instructional Council**  
**Actions Approved – March 13, 2014 Addendum**

**Subject: Business (BUSE) Discipline: Business**

<p><b>~158C enactus - Community Projects</b></p> <p style="text-align: right;"><b>144 - 162 hours lab, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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 provides students with the opportunity to solidify financial concepts and develop teamwork and leadership skills through the organization and implementation of financial literacy workshops for elementary, middle and high school students and/or for community groups. This course is intended for students majoring in business and students from other disciplines interested in developing business and leadership skills through participation in financial literacy workshop planning and implementation.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (Change)</i> <i>Course Description</i> <i>Critical Thinking Assignments</i> <i>Methods of Evaluation</i> <i>Methods of Instruction</i> <i>Outline of Topics</i> <i>Outside Assignments</i> <i>Reading Assignments</i> <i>Student Learning Objectives</i> <i>Texts</i> <i>Title Change</i> <i>Writing Assignments</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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\*Requires Board of Trustees approval prior to implementation  
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Approved

**Curriculum Instructional Council**  
**Actions Approved – March 13, 2014 Addendum**

**Subject: Business (BUSE) Discipline: Business**

<p><b>~158D enactus - On-Campus Educational Projects</b></p> <p style="text-align: right;"><b>144 - 162 hours lab, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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 provides students with the opportunity to solidify business start-up planning and assessment skills as well as teamwork and leadership skills through the organization and implementation of mentorship workshops with potential entrepreneurs. This course is intended for students majoring in business and students from other disciplines interested in developing business and leadership skills through participation in business start-up workshop planning and implementation.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (Change)</i> <i>Course Description</i> <i>Critical Thinking Assignments</i> <i>Methods of Evaluation</i> <i>Methods of Instruction</i> <i>Outline of Topics</i> <i>Outside Assignments</i> <i>Reading Assignments</i> <i>Student Learning Objectives</i> <i>Texts</i> <i>Title Change</i> <i>Writing Assignments</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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\*Requires Board of Trustees approval prior to implementation  
~Course requires CCCC submission



**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

**Subject: Computer Business Technology (CBTE) Discipline: Office Technologies**

<p><b>~52 Basic Computer Skills</b></p> <p align="right"><b>24 - 27 hours lecture, 24 - 27 hours lab, 2 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> 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  <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Computer Business Technology 51 or Computer Business Technology 161.                      This course provides students with hands-on practice in basic computer skills. Emphasis is placed on computer terminology and the fundamentals of computer software and hardware, file management, data security, networks, the Internet and e-commerce, and careers in the Information Technology (IT) industry. This course is intended for students interested in learning basic computer and Internet skills as well as those interested in careers in the IT field.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Revision                      (May Include Activation)  <i>Six Year Review</i>  <i>Advisory (New)</i>  <i>Course Description</i>  <i>Course Number (was 51)</i>  <i>Critical Thinking Assignments</i>  <i>Equivalency (New)</i>  <i>Hours</i>  <i>Limitation on Enrollment (New)</i>  <i>Methods of Evaluation</i>  <i>Outline of Topics</i>  <i>Outside Assignments</i>  <i>Reading Assignments</i>  <i>Student Learning Objectives</i>  <i>Texts</i>  <i>Units</i>  <i>Writing Assignments</i>  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer Business Technology (CBTE) Discipline: Office Technologies**

<p><b>*~94 Introduction to Computer Keyboarding</b></p> <p align="right"><b>48 - 54 hours lab, 1 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> 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 introductory keyboarding course develops keyboarding skills and techniques using the touch method on a computer keyboard. Students learn the alphabetic, number, symbol keys, and 10-key numeric keypad and build speed and accuracy utilizing keyboarding learning software. Upon completion, students should be able to accurately keyboard at least 25 words per minute. This course is designed for students interested in developing and improving their keyboarding skills for computer usage, for career preparation, or job advancement.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Dist. Ed Proposed For College(s):</b>                      City  <b>Reviewed</b></p> <p><b>Effective:</b> Fall 2014</p>
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\*Requires Board of Trustees approval prior to implementation  
 ~Course requires CCCC submission

Approved

**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

**Subject: Computer Business Technology (CBTE) Discipline: Office Technologies**

<b>95 Keyboarding Skill Development</b>  <b>48 - 54 hours lab, 1 units Grade Only</b>  <b>REQUISITES:</b> <i>Advisory:</i> Computer Business Technology 94 with a grade of "C" or better, or equivalent. This course is for students and professionals who want to improve keyboarding skills with emphasis on increasing speed and accuracy through timed exercises.  <b>FIELD TRIP REQUIREMENTS:</b> May be required  <b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.	<b>Offered At:</b> City, Mesa  <b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review Advisory (Change) Grade Option Texts</i> <b>Approved</b>  <b>Proposed for College(s):</b> City, Mesa  <b>Originating Campus:</b> CITY  <b>Effective:</b> Fall 2014
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**Subject: Computer Business Technology (CBTE)**

<b>~101 Keyboarding for Computers</b>  <b>12 - 13.5 hours lecture, 12 - 13.5 hours lab, 1 units Grade Only</b>  <b>REQUISITES:</b> <i>Advisory:</i> English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Office Information Systems 101, Office Information Systems 102 or Office Information Systems 164. This course introduces students to basic keyboarding skills and document processing activities. Topics include keyboarding and basic word processing. Students practice keying by touch using word processing software.  <b>FIELD TRIP REQUIREMENTS:</b> May be required  <b>TRANSFER APPLICABILITY:</b> Associate Degree Credit & transfer to CSU.	<b>Offered At:</b> City, Mesa  <b>Action(s) Proposed:</b> Course Deactivation *(Active at another College)* <b>Approved</b>  <b>Proposed for College(s):</b> City  <b>Originating Campus:</b> CITY  <b>Effective:</b> Fall 2014
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\*Requires Board of Trustees approval prior to implementation

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**Curriculum Instructional Council**  
**Actions Approved – March 13, 2014 Addendum**

**Subject: Computer Business Technology (CBTE) Discipline: Office Technologies**

<p><b>114 Introduction to Microsoft Windows</b> 12 - 13.5 hours lecture, 12 - 13.5 hours lab, 1 units Grade Only</p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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; Computer Business Technology 94, Computer Business Technology 101 or Computer Business Technology 103, each with a grade of "C" or better, or equivalent. This course is an overview of the features of the Microsoft Windows operating system and environment. Students learn to use and customize the start menu; work with Windows accessory programs; manage storage drives; work with folders and files; create shortcuts; and customize the desktop. This course is designed for students intending to use Microsoft Windows for academic, professional and/or personal purposes.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Texts</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer Business Technology (CBTE) Discipline: Office Technologies**

<p><b>120 Beginning Microsoft Word</b> 24 - 27 hours lecture, 24 - 27 hours lab, 2 units Grade Only</p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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; Computer Business Technology 94, Computer Business Technology 101 or Computer Business Technology 103, each with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Computer Business Technology 120A or Computer Business Technology 120B. This course is an introduction to document formatting using Microsoft Word. Students create fliers, letters, memos, reports and office documents. Topics include mail merge and table basics. This course is designed for students intending to use Microsoft Word for academic, professional and/or personal purposes.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Texts</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Curriculum Instructional Council**  
**Actions Approved – March 13, 2014 Addendum**

**Subject: Computer Business Technology (CBTE) Discipline: Office Technologies**

<p><b>122 Intermediate Microsoft Word</b></p> <p style="text-align: right;"><b>32 - 36 hours lecture, 48 - 54 hours lab, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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; Computer Business Technology 94, Computer Business Technology 101 or Computer Business Technology 103 and Computer Business Technology 120, each with a grade of "C" or better, or equivalent. This intermediate-level course introduces advanced features and text editing tools of Microsoft Word. Students create reference documents, online forms and newsletters. Topics include the use of macros and collaboration and integration tools. This course is designed for students intending to use Microsoft Word for academic, professional and/or personal purposes.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Texts</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer Business Technology (CBTE) Discipline: Office Technologies**

<p><b>127 Introduction to PowerPoint</b></p> <p style="text-align: right;"><b>24 - 27 hours lecture, 24 - 27 hours lab, 2 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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; Computer Business Technology 94 or Computer Business Technology 101 and Computer Business Technology 114, each with a grade of "C" or better, or equivalent. This course provides students with the basic knowledge of how to create, modify, and present PowerPoint slide shows. Students add and modify both text and graphics; insert and modify information graphics and multimedia; apply, modify, and create master pages; apply, modify, and create templates. Students integrate other Microsoft programs with PowerPoint. This course is designed for students and professionals acquiring or updating basic skills in creating and editing professional presentations.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Course Description</i> <i>Texts</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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\*Requires Board of Trustees approval prior to implementation  
~Course requires CCCC submission

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**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

**Subject: Computer Business Technology (CBTE) Discipline: Office Technologies**

<p><b>140 Microsoft Excel</b></p> <p style="text-align: right;"><b>24 - 27 hours lecture, 24 - 27 hours lab, 2 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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; Computer Business Technology 94, Computer Business Technology 101, Computer Business Technology 102 or Computer Business Technology 103 and Computer Business Technology 114, each with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Computer Business Technology 140A or Computer Business Technology 143. This course is intended for students, office support personnel, and business owners who require a competency in performing tasks in Microsoft Excel. Students receive hand-on instruction on how to create, modify, and enhance workbooks and charts in addition to more advanced features in Excel such as PivotTables; PivotCharts; macros; and statistical, financial, and IF formulas.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Texts</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer Business Technology (CBTE) Discipline: Office Technologies**

<p><b>143 Intermediate Microsoft Excel</b></p> <p style="text-align: right;"><b>32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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; Computer Business Technology 103 and Computer Business Technology 114, each with a grade of "C" or better, or equivalent. <i>Advisory: Completion of or concurrent enrollment in</i> Computer Business Technology 94, Computer Business Technology 101 or Computer Business Technology 102, each with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Computer Business Technology 140A. This course is designed for students preparing for a career or job in which a competency in intermediate-to-advanced Excel functions is required to perform daily tasks. Students receive hands-on instruction on charts, PivotTables, PivotCharts, functions, formulas, data validation, autofilters, what-if analyses, templates, macros, Visual Basic for applications, and integration of Excel with other programs.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Texts</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Dist. Ed Proposed For College(s):</b> City <b>Reviewed</b></p> <p><b>Effective:</b> Fall 2014</p>
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Actions Approved – March 13, 2014 Addendum**

**Subject: Computer Business Technology (CBTE) Discipline: Office Technologies**

<p><b>152 Beginning Microsoft Access</b> <b>24 - 27 hours lecture, 24 - 27 hours lab, 2 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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; Computer Business Technology 94, Computer Business Technology 101, Computer Business Technology 102 or Computer Business Technology 103 and Computer Business Technology 114, each with a grade of "C" or better, or equivalent. This course introduces students to the fundamentals of Microsoft Access. Topics include creating, modifying, and sorting database tables; creating queries; creating and enhancing custom forms and reports; modifying the database structure; and importing and exporting data to other programs. This course is intended for students majoring in a computer business technology field, professionals acquiring or updating basic skills in creating and editing professional databases, or anyone interested in learning the fundamental functions of Access.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Texts</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer Business Technology (CBTE) Discipline: Office Technologies**

<p><b>153 Intermediate Microsoft Access</b> <b>40 - 45 hours lecture, 24 - 27 hours lab, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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; Computer Business Technology 94, Computer Business Technology 101, Computer Business Technology 102 or Computer Business Technology 103 and Computer Business Technology 114, each with a grade of "C" or better, or equivalent. This course is an intermediate level study of Microsoft Access and its use as a relational database management system on a personal computer. Topics include designing relational databases; creating tables, queries, forms and reports; entering data; finding and modifying records; importing from and exporting to other programs; using field properties; understanding the use of Structured Query Language (SQL) in Access; creating and running macros for automating tasks; and planning and designing user interfaces. This course is designed for students and professionals acquiring or updating skills in creating and editing Access databases.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Texts</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer Business Technology (CBTE) Discipline: Office Technologies**

<p><b>*~ 154 Microsoft Project</b></p> <p style="text-align: right;"><b>24 - 27 hours lecture, 24 - 27 hours lab, 2 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6. This course provides students with fundamental knowledge and skills required to work with Microsoft Project. Students create and refine project schedules, resources, calendars, and reports. This course is designed for students majoring in Business, Computer Business Technology, and/or Information, Network, and Web Technologies, as well as for business professionals seeking to update project management skills.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Dist. Ed Proposed For College(s):</b> City <b>Reviewed</b></p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer Business Technology (CBTE)**

<p><b>~161 Learning the Internet</b></p> <p style="text-align: right;"><b>12 - 13.5 hours lecture, 12 - 13.5 hours lab, 1 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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; Computer Business Technology 103 and Computer Business Technology 114, each with a grade of "C" or better, or equivalent. A basic, hands-on study of the internet. Emphasis is placed on the fundamental skills and techniques required to use the Web efficiently in personal, professional and business settings. This course is intended for students majoring in a variety of applied computer fields.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa</p> <p><b>Action(s) Proposed:</b> Course Deactivation *(Active at another College)* <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer Business Technology (CBTE) Discipline: Office Technologies**

<p><b>164 Introduction to Microsoft Outlook</b>  <b>12 - 13.5 hours lecture, 12 - 13.5 hours lab, 1 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> 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; Computer Business Technology 94 or Computer Business Technology 101 and Computer Business Technology 114, each with a grade of "C" or better, or equivalent.  This course is an introduction to the features of Microsoft Outlook. Students learn how to manage messages, schedule appointments, organize and manage tasks and contact lists, and customize Outlook. This course is designed for students intending to use Microsoft Outlook for academic, professional and/or personal purposes.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Advisory (New)</i>  <i>Outline of Topics</i>  <i>Texts</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer Business Technology (CBTE)**

<p><b>~165 Webpage Creation with Dreamweaver</b>  <b>40 - 45 hours lecture, 24 - 27 hours lab, 3 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5; Computer Business Technology 101, Computer Business Technology 114 and Computer Business Technology 161, each with a grade of "C" or better, or equivalent.  This course is a hands-on study of webpage creation. Students use a HyperText Markup Language (HTML) editor to create HyperText Markup Language (HTML) and Cascading Style Sheets (CSS). Web development skills include adding behaviors, using templates and library items, and embedding hypertext links, video, graphic, and multimedia files. This course is designed for students and professionals acquiring or updating skills in creating and editing simple webpages.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Deactivation *(Active at another College)*</p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer Business Technology (CBTE)**

<p><b>*~ 167 Webpage Creation Using Microsoft Expression Web</b>  <b>32 - 36 hours lecture, 48 - 54 hours lab, 3 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5; Computer Business Technology 101, Computer Business Technology 114 and Computer Business Technology 161, each with a grade of "C" or better, or equivalent.                  This course teaches students how to create websites using Microsoft Expression Web. Students use a hands-on approach to design, analyze, create, manage, and publish websites on the Internet for personal or business use. Topics include formatting text using Hypertext Markup Language (HTML) and Extensible Hypertext Markup Language (XHTML) and Cascading Style Sheets (CSS). Other topics include images, hyperlinks, templates, tables, forms, and page layout and design. This course is intended for students majoring in Computer Business Technology or others interested in web design.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer Business Technology (CBTE)**

<p><b>~170 Desktop Publishing</b>  <b>24 - 27 hours lecture, 24 - 27 hours lab, 2 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> 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; Computer Business Technology 101 and Computer Business Technology 114, each with a grade of "C" or better, or equivalent.                  This course is designed for students interested in preparing or upgrading skills for a career or job in which desktop publishing competencies are required. Topics include text and table frames, WordArt, images, graphic accents, and Web page functions.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Deactivation *(Active at another College)*  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Computer Business Technology (CBTE) Discipline: Office Technologies**

<p><b>180 Microsoft Office</b></p> <p align="right"><b>32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> 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; Computer Business Technology 94, Computer Business Technology 101 or Computer Business Technology 114 and Computer Business Technology 161, each with a grade of "C" or better, or equivalent. This course is designed for students interested in an overview and basic working knowledge of Microsoft Office Professional suite for personal and/or professional purposes. Emphasis is placed on word processing, spreadsheet, database, and presentations, and the integration of data within and between the programs.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Advisory (New)</i>  <i>Texts</i>  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer Business Technology (CBTE)**

<p><b>~200 Office Telecommunications</b></p> <p align="right"><b>24 - 27 hours lecture, 24 - 27 hours lab, 2 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5. This course provides students with a fundamental working knowledge of voice, data, and video telecommunications that can be applied in their business and personal lives. The course introduces telecommunications networks, transmitting, receiving, and satellite technologies. Topics include basic communication theory, fundamentals of telephone systems, and components of data communications systems. This course is intended for students interested in the selection or use of office telecommunications systems.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa</p> <p><b>Action(s) Proposed:</b> Course Deactivation *(Active at another College)*  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer Business Technology (CBTE) Discipline: Office Technologies**

<p><b>205 Records Management</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> 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; Computer Business Technology 94 or Computer Business Technology 101, each with a grade of "C" or better, or equivalent. This course covers the fundamentals of traditional and electronic records management. Topics include indexing and the major filing methods; selection of systems, equipment, and supplies; design, control, and maintenance of inactive records; and the role of records management and the records manager in the information industry. This course is designed to prepare students for employment in the field of Records Information Management (RIM) and for students interested in records management.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Texts</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer Business Technology (CBTE) Discipline: Office Technologies**

<p><b>211 Office Administration</b></p> <p style="text-align: right;"><b>32 - 36 hours lecture, 48 - 54 hours lab, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6; Computer Business Technology 94, Computer Business Technology 101, Computer Business Technology 102 or Computer Business Technology 103 and Computer Business Technology 120, each with a grade of "C" or better, or equivalent. This course is designed to introduce and reinforce the practical use of current office administration procedures, duties, and human relations for office application. Topics also include office etiquette and dress, time management, communications systems and oral and computer presentations. This course is designed for Computer Business Technology majors as a capstone to be taken at the end of their coursework.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Texts</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer And Information Sciences (CISC)**

<p><b>*~ 114 Introduction to Computer Graphics and Web Media</b> <b>24 - 27 hours lecture, 24 - 27 hours lab, 2 units</b> <b>Grade Only</b></p> <p>This course offers a hands-on introduction to the fundamental concepts, current applications and state-of-the art hardware and software in computer graphics and computer visualization technology. Students use professional authoring software to design, develop, debug and document computer presentations for use in business and the world wide web.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)</p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer And Information Sciences (CISC)**

<p><b>*~ 121 Introduction to Operating Systems</b> <b>12 - 13.5 hours lecture, 12 - 13.5 hours lab, 1 units</b> <b>Grade Only</b></p> <p>This course is an introductory, hands-on study of computer operating systems for general users. Emphasis is placed on the commands and utilities necessary for effective use of computer systems. This course may be offered for Disk Operating System (DOS), Macintosh, Microsoft Windows, OS/2 and/or Unix.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)</p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer And Information Sciences (CISC)**

<p><b>*~ 130 Introduction to Local Area Networks</b> <b>12 - 13.5 hours lecture, 12 - 13.5 hours lab, 1 units</b> <b>Grade Only</b></p> <p>This course is an introductory study of microcomputer local area and wide area network development, use and administration. Emphasis is placed on presenting students with a breadth of knowledge from wiring to applications and including hardware, software, transmission media, packets, frames, network topology, routing, protocols and layering.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)</p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer And Information Sciences (CISC)**

<p><b>* ~132 Intermediate Local Area Networking</b>  <b>12 - 13.5 hours lecture, 12 - 13.5 hours lab, 1 units</b>  <b>Grade Only</b></p> <p>This course is an introductory study of internetworking and network applications. Emphasis is placed on presenting students with a breadth of knowledge from wiring to applications and including Internet architecture, protocols, datagrams, routing, the client-server model, electronic mail, web document technologies, network management and security.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)</p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer And Information Sciences (CISC)**

<p><b>~152 Introduction to the Linux Operating System</b>  <b>48 - 54 hours lecture, 48 - 54 hours lab, 4 units</b>  <b>Pass/No Pass</b></p> <p><b>REQUISITES:</b>  <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Computer and Information Science 151.  This introductory course to the Linux Operating systems is for new users to learn the programs and services that made the Linux System so increasingly popular, including: the shell, communicating to other users, manipulating files using the file structure, setting file access permissions, full-screen text editing, and programming simple shell scripts. The Novell SuSE Linux implementation is used in the course, but other versions of Linux are also appropriate.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. UC Transfer Course List.</p>	<p><b>Offered At:</b> City, Mesa</p> <p><b>Action(s) Proposed:</b> Course Deactivation *(Active at another College)*</p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer And Information Sciences (CISC)**

<p><b>*~ 161 Software Project Management</b>  <b>48 - 54 hours lecture, 48 - 54 hours lab, 4 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> Computer and Information Sciences 181, Computer and Information Sciences 182, Computer and Information Sciences 186, Computer and Information Sciences 187, Computer and Information Sciences 190, Computer and Information Sciences 192, Computer and Information Sciences 193 or Mathematics 107, each with a grade of "C" or better, or equivalent.  This course prepares computer science, information technology, information systems, and software engineering students with a thorough introduction to the tools and techniques associated with managing software development projects. This knowledge is required in any substantive software development project. This course assumes adequate understanding of the process of software development. It also requires access to, and the use of, Microsoft Project, a software tool that is part of the Microsoft Office family. This course is of interest to students majoring in the areas cited above, and to professional development students seeking to expand their knowledge and skills in software development management.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)</p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer And Information Sciences (CISC) Discipline: Computer Information Systems**

<p><b>187 Data Structures and Object-Oriented</b>  <b>48 - 54 hours lecture, 48 - 54 hours lab, 4 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Prerequisite:</i> Computer and Information Sciences 190 or Computer and Information Sciences 192, each with a grade of "C" or better, or equivalent.  This course introduces students to data structures and object-oriented software engineering. Emphasis is placed on basic data structures, including collections and linked structures (stacks, queues, lists, arrays, trees, and hashes) from the perspective of object-oriented implementation. Topics also include object-oriented analysis, design, and implementation in popular programming languages, such as C++, C#, and Java. This course is designed for students majoring in computer information systems and professionals in the field who want to update their skills.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. UC Transfer Course List.</p>	<p><b>Offered At:</b> City, Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Course Description</i>  <i>Critical Thinking Assignments</i>  <i>Methods of Evaluation</i>  <i>Methods of Instruction</i>  <i>Outside Assignments</i>  <i>Prerequisite (New)</i>  <i>Reading Assignments</i>  <i>Texts</i>  <i>Writing Assignments</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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~Course requires CCCC submission

Approved

**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

**Subject: Computer And Information Sciences (CISC)**

<p><b>~189A Introduction to Programming I</b> 48 - 54 hours lecture, 48 - 54 hours lab, 4 units Grade Only</p> <p><b>REQUISITES:</b> <i>Advisory:</i> English 49 and Mathematics 46, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5 and M40; Computer and Information Sciences 150 or Computer and Information Sciences 181, each with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Computer and Information Science 190. Using the popular programming language Java, this course introduces students to the process of developing simple software applications to solve typical human problems. This includes language syntax, structure, and semantics as well as the basics of object-oriented software engineering. CISC 189A and B together are a slower-paced version of CISC 190, with more programming practice. CISC 189A is the first of the two-course sequence.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. UC Transfer Course List.</p>	<p><b>Offered At:</b> City, Miramar</p> <p><b>Action(s) Proposed:</b> Course Deactivation *(Active at another College)*</p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Computer And Information Sciences (CISC)**

<p><b>~189B Introduction to Programming II</b> 48 - 54 hours lecture, 48 - 54 hours lab, 4 units Grade Only</p> <p><b>REQUISITES:</b> <i>Prerequisite:</i> Computer and Information Sciences 189A with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Computer and Information Sciences 190. Using the popular programming language Java, this course continues the process of students learning how to solve business problems by developing useful software applications. This includes more advanced concepts like abstract data structures, graphics, and data persistence. CISC 189A and B together are a slower-paced version of CISC 190, with more programming practice. CISC 189B is the second of the two-course sequence.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. UC Transfer Course List.</p>	<p><b>Offered At:</b> City, Miramar</p> <p><b>Action(s) Proposed:</b> Course Deactivation *(Active at another College)*</p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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Approved

**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

**Subject: Computer And Information Sciences (CISC) Discipline: Computer Information Systems**

<p><b>~201 Advanced C++ Programming</b> <b>48 - 54 hours lecture, 48 - 54 hours lab, 4 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Prerequisite:</i> Computer and Information Sciences 192 and Computer and Information Sciences 205, each with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Computer and Information Sciences 196. This course is an advanced hands-on study of the C++ language programming best practices currently used in the industry. Emphasis is placed on generic programming through the use of templates and object-oriented programming. Robust and reliable coding practices are promoted through the disciplined use of exception handling and unit testing. This course is designed for computer science students and anyone interested in advancing their C++ programming skills.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. UC Transfer Course List.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Course Number (was 196)</i> <i>Field Trip</i> <i>General Education</i> <i>Hours Change</i> <i>Prerequisite (New)</i> <i>Texts</i> <i>Units</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Dist. Ed Proposed For College(s):</b> City</p> <p><b>Reviewed</b></p> <p><i>This course is being proposed at City for UC Transfer Course List</i></p> <p><b>Effective:</b> Fall 2015</p>
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**Subject: Computer And Information Sciences (CISC) Discipline: Computer Information Systems**

<p><b>205 Object Oriented Programming using C++</b> <b>48 - 54 hours lecture, 48 - 54 hours lab, 4 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> Computer and Information Sciences 192 with a grade of "C" or better, or equivalent. This course introduces students to Object Oriented Programming (OOP) using the C++ programming language. Emphasis is placed on essential concepts related to OOP, including use of classes and objects, inheritance, templates, polymorphism, pointers and references, and input/output (I/O) streams. This course is intended for students majoring in computer information technology and all students interested in OOP.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. UC Transfer Course List.</p>	<p><b>Offered At:</b> City, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Course Description</i> <i>Methods of Instruction</i> <i>Reading Assignments</i> <i>Texts</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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\*Requires Board of Trustees approval prior to implementation  
~Course requires CCCC submission



Approved

### Curriculum Instructional Council Actions Approved – March 13, 2014 Addendum

**Subject: Digital Journalism (DJRN) Discipline: Journalism or Mass Communication or Media Production or Multimedia**

<p><b>*~ 205 Community Journalism for Multimedia</b> 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p><b>REQUISITES:</b> <i>Advisory:</i> English 101 or English 105, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6; Digital Journalism 200, Digital Journalism 210, Radio Television and Film 140, Journalism 200 or Journalism 210A, each with a grade of "C" or better, or equivalent. This course offers a new-media approach to covering public affairs for online and print news environments. The course guides students through the process of community news reporting. Topics include coverage of local and regional government, city boards, police, courts, and school boards. The course also covers legal and ethical issues in news media, including the unique challenges posed by emerging online formats. This course is designed for students pursuing media-related majors and for those seeking employment in the field.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Dist. Ed Proposed For College(s):</b> City <b>Reviewed</b></p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: English (ENGL) Discipline: English**

<p><b>210 American Literature I</b> 48 - 54 hours lecture, 3 units Letter Grade or Pass/No Pass Option</p> <p><b>REQUISITES:</b> <i>Prerequisite:</i> English 101 or English 105, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6. This course is a survey of American literature from its beginning to the late 19th century, including representative works from the Colonial Period (1588-1765), the New Republic (1765-1829), the American Renaissance (1829-1860), and the beginnings of Realism (1860-1880). Students critically analyze and discuss diverse authors of these periods, addressing relevant historical, social, political, philosophical, aesthetic, cultural, and religious issues. This course is intended for English majors and anyone interested in American Literature.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Critical Thinking Assignments</i> <i>Methods of Evaluation</i> <i>Methods of Instruction</i> <i>Outline of Topics</i> <i>Outside Assignments</i> <i>Reading Assignments</i> <i>Student Learning Objectives</i> <i>Texts</i> <i>Writing Assignments</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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Approved

**Curriculum Instructional Council**  
**Actions Approved – March 13, 2014 Addendum**

**Subject: English (ENGL) Discipline: English**

<p><b>211 American Literature II</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units</b> <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b> <i>Prerequisite:</i> English 101 or English 105, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6. A survey of American Literature from the late 19th century to the present, which includes representative works from the Age of Realism (1865-1914), the Modernist Period (1914-1945), and the Postmodern Era (1950-present). Students critically analyze and discuss diverse authors of these periods, addressing relevant historical, social, political, philosophical, aesthetic, cultural, and religious issues. This course is intended for English majors and anyone interested in American Literature.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Critical Thinking Assignments</i> <i>Methods of Evaluation</i> <i>Methods of Instruction</i> <i>Outline of Topics</i> <i>Outside Assignments</i> <i>Reading Assignments</i> <i>Student Learning Objectives</i> <i>Texts</i> <i>Writing Assignments</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: English (ENGL) Discipline: English**

<p><b>220 Masterpieces of World Literature I: 1500 BCE - 1600 CE</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units</b> <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b> <i>Prerequisite:</i> English 101 or English 105, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6. This course offers a survey of world literature in translation, from the ancient world through the European renaissance (approximately 2150 BCE - 1600 CE), including the established classic literature of the Near East, Tibet, Greece and Rome, India, China, Japan, Africa, the Islamic world, and Europe. Students read and discuss a variety of authors from these regions, and address relevant social, cultural, and religious issues. Students critically analyze, in essays and papers, specific authors, works, themes, and other topics as assigned. This course is intended for English majors and anyone interested in World Literature.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (Remove)</i> <i>Critical Thinking Assignments</i> <i>Outline of Topics</i> <i>Prerequisite (Change)</i> <i>Student Learning Objectives</i> <i>Texts</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

**Subject: English (ENGL) Discipline: English**

<p><b>221 Masterpieces of World Literature II: 1600 - Present</b>  <b>48 - 54 hours lecture, 3 units</b>  <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b>  <i>Prerequisite:</i> English 101 or English 105, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6.                  This course offers a survey of world literature in translation, from the close of the European renaissance through the present time, including the literature of Asia, Europe, North America, Central America, South America, Africa and the Islamic world. Students read and discuss a variety of authors from these regions, and address relevant social, religious, and cultural issues. Students critically analyze, in essays and papers, specific authors, works, themes, and other topics as assigned. This course is intended for English majors and anyone interested in World Literature.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Advisory (Remove)</i>  <i>Course Description</i>  <i>Prerequisite (Change)</i>  <i>Student Learning Objectives</i>  <i>Texts</i>  <i>Title (Short only)</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: English (ENGL) Discipline: English**

<p><b>*~ 249B Introduction to Creative Writing II</b>  <b>48 - 54 hours lecture, 3 units</b>  <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b>  <i>Prerequisite:</i> English 249 with a grade of "C" or better, or equivalent.                  This course is an exploration and application of creative writing with a focus on fiction and poetry. Students use complex elements of poetry and fiction writing to analyze the works of professional writers, to create original pieces, and to critique the work of their peers as well as their own. This course is intended for students majoring in English and all students interested in fiction and fiction writing.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Reactivation (with Integration)  <i>Six Year Review</i>  <i>Course Description</i>  <i>Critical Thinking Assignments</i>  <i>Methods of Evaluation</i>  <i>Methods of Instruction</i>  <i>Outline of Topics</i>  <i>Outside Assignments</i>  <i>Prerequisite (Change)</i>  <i>Reading Assignments</i>  <i>Student Learning Objectives</i>  <i>Texts</i>  <i>Writing Assignments</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa,</p> <p><b>Originating Campus:</b> MESA</p> <p><i>This course is being proposed for City and Mesa for UC Transfer</i></p> <p><b>Effective:</b> Fall 2014</p>
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Approved

**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

**Subject: Fire Protection Technology (FIPT) Discipline: Fire Technology**

<p><b>~328A Fire Management I</b></p> <p align="right"><b>40 - 40 hours lecture, 2 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> 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.  <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Fire Technology 229, Fire Protection Technology 201 or Fire Protection Technology 229.          This course prepares or enhances the first line supervisor's ability to supervise subordinates. It introduces key management concepts and practices utilized in the California Fire Service. Topics include decision making, time management, leadership styles, personnel evaluations, and counseling guidelines. This course is intended for current or prospective future firefighters.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Advisory (New)</i>  <i>Course Description</i>  <i>Course Number (was 201)</i>  <i>Equivalency (New)</i>  <i>Limitation on Enrollment (New)</i>  <i>Transferability</i>  <i>Writing Assignments</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> Miramar</p> <p><b>Originating Campus:</b> MIRAMAR</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Fire Protection Technology (FIPT) Discipline: Fire Technology**

<p><b>*~ 330A Fire Prevention I</b></p> <p align="right"><b>32 - 36 hours lab, 0.5 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> 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 provides an overview of fire prevention codes and ordinances, inspection practices, and key hazards. Topics include the Fire Company Officer's role in fire prevention, the relationship between life safety and building construction, the elements of a quality company inspection program, and how to address complex hazards encountered during an inspection. This course is part of the California State Fire Training curriculum. It is intended for current firefighters seeking training as entry-level Fire Company Officers.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course</p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> Miramar</p> <p><b>Originating Campus:</b> MIRAMAR</p> <p><b>Dist. Ed Proposed For College(s):</b> Miramar</p> <p><b>Reviewed</b></p> <p><b>Effective:</b> Fall 2014</p>
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Approved

**Curriculum Instructional Council**  
**Actions Approved – March 13, 2014 Addendum**

**Subject: Fire Protection Technology (FIPT)**

<p><b>*~ 392C Special Topics in Fire Management: Management 2C</b> <b>16 - 18 hours lecture, 24 - 27 hours lab, 1.5 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Prerequisite:</i> Fire Protection Technology 200A, Fire Protection Technology 200B, Fire Protection Technology 200C, Fire Protection Technology 201, Fire Protection Technology 202A, Fire Protection Technology 202B, Fire Protection Technology 203A, Fire Protection Technology 206B and Fire Protection Technology 206A, each with a grade of “C” or better or equivalent State Fire Training System Regulation. <i>Advisory:</i> English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.</p> <p>This course provides students with sound management principles needed for the transition from supervisor to manager in the fire service. Management principles and practices are taught from a variety of different focus areas that may vary from term to term. The focus area for Management 2C (392C) is Personnel and Labor Relations.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Miramar</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> Miramar</p> <p><b>Originating Campus:</b> MIRAMAR</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Fire Protection Technology (FIPT)**

<p><b>*~ 392D Special Topics in Fire Management: Management 2D</b> <b>8 - 45 hours lecture, 0.5-2.5 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Prerequisite:</i> Fire Protection Technology 200A, Fire Protection Technology 200B, Fire Protection Technology 200C, Fire Protection Technology 201, Fire Protection Technology 202A, Fire Protection Technology 202B, Fire Protection Technology 203A, Fire Protection Technology 206B and Fire Protection Technology 206A, each with a grade of “C” or better or equivalent State Fire Training System Regulation. <i>Advisory:</i> English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.</p> <p>This course provides students with sound management principles needed for the transition from supervisor to manager in the fire service. Management principles and practices are taught from a variety of different focus areas that may vary from term to term. The focus area for Management 2D (392D) is Strategic Planning.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Miramar</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> Miramar</p> <p><b>Originating Campus:</b> MIRAMAR</p> <p><b>Effective:</b> Fall 2014</p>
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**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

**Subject: Fire Protection Technology (FIPT)**

<p><b>*~ 392E Special Topics in Fire Management: Management 2E</b>  <b>8 - 45 hours lecture, 0.5-2.5 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Prerequisite:</i> Fire Protection Technology 200A, Fire Protection Technology 200B, Fire Protection Technology 200C, Fire Protection Technology 201, Fire Protection Technology 202A, Fire Protection Technology 202B, Fire Protection Technology 203A, Fire Protection Technology 206B and Fire Protection Technology 206A, each with a grade of "C" or better or equivalent State Fire Training System Regulation.  <i>Advisory:</i> English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.</p> <p>This course provides students with sound management principles needed for the transition from supervisor to manager in the fire service. Management principles and practices are taught from a variety of different focus areas that may vary from term to term. The focus area for Management 2E (392E) is Ethics and the Challenge of Leadership.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Miramar</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)</p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> Miramar</p> <p><b>Originating Campus:</b> MIRAMAR</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Geography (GEOG) Discipline: Geography**

<p><b>104 World Regional Geography</b>  <b>48 - 54 hours lecture, 3 units</b>  <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> English 101 or English 105, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6.</p> <p>This course is a survey of the world's major geographical regions, including Europe, North America, Latin America, Africa, Australia, Oceania, and South, East, and Southeast Asia. Emphasis is placed on the historical, environmental, cultural, economic, and technological factors that impact these geographical areas. This course is intended for students majoring in Geography and all students interested in world geography.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Course Description</i>  <i>Critical Thinking Assignments</i>  <i>Methods of Evaluation</i>  <i>Outline of Topics</i>  <i>Outside Assignments</i>  <i>Reading Assignments</i>  <i>Student Learning Objectives</i>  <i>Texts</i>  <i>Writing Assignments</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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\*Requires Board of Trustees approval prior to implementation  
~Course requires CCCC submission

Approved

**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

**Subject: Geographic Information Systems (GISG) Discipline: Computer Service Technology**

<p><b>110 Introduction to Mapping and Geographic Information Systems</b> 40 - 45 hours lecture, 24 - 27 hours lab, 3 units Letter Grade or Pass/No Pass Option</p> <p><b>REQUISITES:</b> <i>Advisory:</i> English 101 or English 105, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6; Computer Business Technology 94 or Computer Business Technology 101, Computer Business Technology 114 and Computer Business Technology 161, each with a grade of "C" or better, or equivalent. This course is a practical study of Geographic Information Systems (GIS). Emphasis is placed on the use of ArcGIS software to map, analyze, and model geographic information relevant to fields such as forestry, economics, cartography, city planning, and health. Topics include map making, GIS data creation and management, and map projections and coordinate systems. This course is designed for students majoring in geographic information systems and professionals in the field who want to update their skills.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City, Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Course Description</i> <i>Texts</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Information, Network, And Web Technologies (INWT)**

<p><b>*~90A Convergent Network Technology: Basic Data Communications</b> 32 - 36 hours lecture, 2 units Pass/No Pass</p> <p><b>REQUISITES:</b> <i>Corequisite:</i> Information, Network and Web Technologies 90B, Information, Network and Web Technologies 90C, Information, Network and Web Technologies 90D, Information, Network and Web Technologies 90E and Information, Network and Web Technologies 90F. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Computer and Information Science 265C. This course provides students with basic data communications knowledge and skills. The student is introduced to the technology of networking architecture, packet - switching, fiber optics, data modalities for blended solutions. This course follows Computer-Prep Curriculum and is intended to prepare students to take the Computer-Prep Certified in Convergent Network Technologies (CCNT) Basic Data Communications exam.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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\*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

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**Curriculum Instructional Council  
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**Subject: Information, Network, And Web Technologies (INWT)**

<p><b>*~90B Convergent Network Technology: Basic Telecommunications</b>  <b>24 - 27 hours lecture, 1.5 units</b>  <b>Pass/No Pass</b></p> <p><b>REQUISITES:</b>  <i>Corequisite:</i> Information, Network and Web Technologies 90A, Information, Network and Web Technologies 90C, Information, Network and Web Technologies 90D, Information, Network and Web Technologies 90E and Information, Network and Web Technologies 90F.  <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Computer and Information Science 265D.  This course provides students with basic telecommunications knowledge and skills. The student is introduced to the technology of networks, business communications systems, signaling, Internet telephony and switching. This course follows Computer-Prep Official Curriculum and is intended to prepare students to take the Computer-Prep Certified in Convergent Network Technologies (CCNT) Basic Telecommunications exam.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Information, Network, And Web Technologies (INWT)**

<p><b>*~90C Convergent Network Technology: Broadband Technologies</b>  <b>32 - 36 hours lecture, 2 units</b>  <b>Pass/No Pass</b></p> <p><b>REQUISITES:</b>  <i>Corequisite:</i> Information, Network and Web Technologies 90A, Information, Network and Web Technologies 90B, Information, Network and Web Technologies 90D, Information, Network and Web Technologies 90E and Information, Network and Web Technologies 90F.  <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Computer and Information Science 265E.  This course provides students with basic broadband technologies knowledge and skills. The student develops an understanding for Convergent Technologies and the need for transmitting more than one type of signal simultaneously by way of divided channel. Emphasis is placed on the exploration of the technology of voice and data integration, frame relay, Synchronous Optical Network (SONET), Asynchronous Transfer Mode (ATM)/cell relay, Switched Multi-megabit Digital Service (SMDS), Broadband Integrated Services Digital Network (BISDN), Digital Subscriber Line (DSL), and Virtual Private Network (VPN). This course follows Computer-Prep Official Curriculum and is intended to prepare students to take the Computer-Prep Certified in Convergent Network Technologies (CCNT) Broadband Technologies exam.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Information, Network, And Web Technologies (INWT)**

<p><b>*~90D Convergent Network Technology: Computer Telephony Integration</b>  <b>16 - 18 hours lecture, 1 units</b>  <b>Pass/No Pass</b></p> <p><b>REQUISITES:</b>  <i>Corequisite:</i> Information, Network and Web Technologies 90A, Information, Network and Web Technologies 90B, Information, Network and Web Technologies 90C, Information, Network and Web Technologies 90E and Information, Network and Web Technologies 90F.  <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Computer and Information Science 265F.  This course is designed to provide students with instruction in Computer-Telephony Integration (CTI) Essentials that build on Convergent Technologies competencies. The student is introduced to the technology of merging voice, video and data on a single network, and the intersection of telephone, television, cable and Internet networks. This course follows Computer-Prep Official Curriculum and is intended to prepare students to take the Computer-Prep Certified in Convergent Network Technologies (CCNT) Computer-Telephony Integration (CTI) Essentials exam.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)</p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Information, Network, And Web Technologies (INWT)**

<p><b>* ~90E Convergent Network Technology: Local Area Networks (LANs)</b>  <b>32 - 36 hours lecture, 2 units</b>  <b>Pass/No Pass</b></p> <p><b>REQUISITES:</b>  <i>Corequisite:</i> Information, Network and Web Technologies 90A, Information, Network and Web Technologies 90B, Information, Network and Web Technologies 90C, Information, Network and Web Technologies 90D and Information, Network and Web Technologies 90F.  <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Computer and Information Science 265H.  This course provides students with basic training in local area networks (LANs). The student develops a critical understanding of the concepts and technology of LAN topologies, information transfer, transmission techniques, media standards, and network management. This course follows Computer-Prep Official Curriculum and is intended to prepare students to take Computer-Prep Certified in Convergent Network Technologies (CCNT) Local Area Networks (LANs) exam.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)</p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Information, Network, And Web Technologies (INWT)**

<p><b>*~ 90F Convergent Network Technology: Voice Over IP (VoIP) Essentials</b>  <b>16 - 18 hours lecture, 1 units</b>  <b>Pass/No Pass</b></p> <p><b>REQUISITES:</b>  <i>Corequisite:</i> Information, Network and Web Technologies 90A, Information, Network and Web Technologies 90B, Information, Network and Web Technologies 90C, Information, Network and Web Technologies 90D and Information, Network and Web Technologies 90E.  <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Computer and Information Science 265G.  This course is designed to assist students in learning Voice Over IP. This course builds knowledge of Convergent Technologies and focuses on understanding the principles of transmitting voice calls and fax over the Internet. Students analyze VoIP networks, bandwidth compression, the Gateway, packet prioritization, Resource Reservation Protocol (RSVP), H.320 and H.323, and Wide Area Network (WAN) engineering issues. This course follows Computer-Prep Official Curriculum and is intended to prepare students to take the Computer-Prep Certified in Convergent Network Technologies (CCNT) Voice Over IP (VoIP) Essentials exam.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)</p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Information, Network, And Web Technologies (INWT) Discipline: Computer Information Systems**

<p><b>*~ 105 Project +</b>  <b>48 - 54 hours lecture, 48 - 54 hours lab, 4 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Corequisite:</i> Completion of or concurrent enrollment in Computer Business Technology 154 with a grade of "C" or better, or equivalent.  <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6.  This course provides students with the business, interpersonal and technical project management skills required to initiate, plan, manage, and close projects with a technical component. This course follows the official Computing Technology Industry Association (CompTia) curriculum and is intended to prepare students to take the Project + examination. This course is designed for students majoring in Business and/or Information, Network, and Web technologies as well as for business professionals seeking to update project management skills.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course</p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Dist. Ed Proposed For College(s):</b> City</p> <p><b>Reviewed</b></p> <p><b>Effective:</b> Fall 2014</p>
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### Curriculum Instructional Council Actions Approved – March 13, 2014 Addendum

**Subject: Information, Network, And Web Technologies (INWT) Discipline: Computer Service Technology**

<p><b>*~ 145 Linux + Prep</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 48 - 54 hours lab, 4 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> 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 is a project-oriented course that provides students with the knowledge and skills to work as a junior level Linux administrator. This course follows the official Computing Technology Industry Association (CompTIA) curriculum and is intended to prepare students to take the Linux+ exam.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> Required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Dist. Ed Proposed For College(s):</b>  City  <b>Reviewed</b></p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Italian (ITAL) Discipline: Foreign Languages**

<p><b>101 First Course in Italian</b></p> <p style="text-align: right;"><b>80 - 90 hours lecture, 5 units Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> English 48 with a grade of "C" or better, or equivalent or Assessment Skill Level R5.  <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Italian 100.  This is the first course in the Italian language sequence. In this interactive course, students use basic vocabulary, grammatical structures and idiomatic phrases to speak, listen, read and write in Italian at the novice level. Emphasis is placed on daily life activities as well as Italian history, culture and geography. This course is intended for all students interested in Italian language and culture.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.</p>	<p><b>Offered At:</b> City, Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision  (May Include Activation)  <i>Six Year Review</i>  <i>Course Description</i>  <i>Critical Thinking Assignments</i>  <i>Methods of Evaluation</i>  <i>Methods of Instruction</i>  <i>Outline of Topics</i>  <i>Outside Assignments</i>  <i>Reading Assignments</i>  <i>Student Learning Objectives</i>  <i>Texts</i>  <i>Writing Assignments</i>  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Curriculum Instructional Council**  
**Actions Approved – March 13, 2014 Addendum**

**Subject: Italian (ITAL) Discipline: Foreign Languages**

<p><b>102 Second Course in Italian</b></p> <p style="text-align: right;"><b>80 - 90 hours lecture, 5 units</b> <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b>  <i>Prerequisite:</i> Italian 101 with a grade of "C" or better, or equivalent or two years of high school Italian or equivalent.  <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Italian 100.  This is the third course in the Italian language sequence. In this interactive course, students use intermediate to advanced level vocabulary, grammatical structures and tenses to analyze and to express opinions related to a variety of topics, including Italian culture, politics, the environment, and daily life. This course is intended for all students interested in Italian language and culture. Emphasis is placed on daily life activities as well as Italian history, culture and geography. This course is intended for all students interested in Italian language and culture.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. IGETC. UC Transfer Course List. CSU General Education.</p>	<p><b>Offered At:</b> City, Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Advisory (Remove)</i>  <i>Course Description</i>  <i>Critical Thinking Assignments</i>  <i>Methods of Evaluation</i>  <i>Methods of Instruction</i>  <i>Outline of Topics</i>  <i>Outside Assignments</i>  <i>Reading Assignments</i>  <i>Student Learning Objectives</i>  <i>Texts</i>  <i>Writing Assignments</i>  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Italian (ITAL) Discipline: Foreign Languages**

<p><b>201 Third Course in Italian</b></p> <p style="text-align: right;"><b>80 - 90 hours lecture, 5 units</b> <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b>  <i>Prerequisite:</i> Italian 102 with a grade of "C" or better, or equivalent or three years of high school Italian or equivalent.  This is the third course in the Italian language sequence. In this interactive course, students use intermediate to advanced level vocabulary, grammatical structures and tenses to analyze and to express opinions related to a variety of topics, including Italian culture, politics, the environment, and daily life. This course is intended for all students interested in Italian language and culture.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.</p>	<p><b>Offered At:</b> City, Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Advisory (Remove)</i>  <i>Course Description</i>  <i>Critical Thinking Assignments</i>  <i>Outline of Topics</i>  <i>Outside Assignments</i>  <i>Reading Assignments</i>  <i>Student Learning Objectives</i>  <i>Texts</i>  <i>Writing Assignments</i>  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Curriculum Instructional Council  
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**Subject: Journalism (JOUR) Discipline: Journalism**

<p><b>*~ 215A Magazine Writing and Production I</b>  <b>16 - 18 hours lecture, 96 - 108 hours lab, 3 units</b>  <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6.  This course is designed to provide experience in writing, production, and publication of a student news magazine. Emphasis is placed on researching and writing in-depth magazine articles, taking feature photographs, and packaging all elements into one publication. Topics include the basic principles of magazine writing, editing, photography, design, and layout. This course is designed for students majoring in journalism and all students interested in magazine writing and production.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course  <b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Mathematics (MATH) Discipline: Mathematics**

<p><b>115 Gateway to Experimental Statistics</b>  <b>48 - 54 hours lecture, 48 - 54 hours lab, 4 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Prerequisite:</i> Mathematics 47A with a grade of "C" or better, or equivalent Statway I.  <i>Advisory:</i> Completion of or concurrent enrollment in English 43 and English 48, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W4 and R5 or English 47A with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.  This course is a second in the study of statistical methods integrated with algebraic tools to prepare students to analyze these processes encountered in society and the workplace. The course covers a review of functions, their geometric properties, counting principles and probability rules, probability distribution functions, sampling, and inferential statistics of one and two variable data sets. Students are expected to implement technology to perform calculations to analyze data and make statistical conclusions. This sequence of courses is intended for students that are not planning on majoring in a science, technology, engineering or mathematics related discipline.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. CSU General Education.</p>	<p><b>Offered At:</b> City, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision  (May Include Activation)  <i>Six Year Review</i>  <i>Course Description</i>  <i>Critical Thinking Assignments</i>  <i>Methods of Evaluation</i>  <i>Methods of Instruction</i>  <i>Outline of Topics</i>  <i>Outside Assignments</i>  <i>Reading Assignments</i>  <i>Student Learning Objectives</i>  <i>Texts</i>  <i>Writing Assignments</i>  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Medical Assisting (MEDA) Discipline: Health Care Ancillaries**

<p><b>94 Medication Administration</b></p> <p style="text-align: right;"><b>24 - 27 hours lab, 0.5 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Prerequisite:</i> Medical Assisting 82, Medical Assisting 110, Medical Assisting 76 and Medical Assisting 78, each with a grade of "C" or better, or equivalent.  <i>Corequisite:</i> Medical Assisting 88 and Medical Assisting 92.  <i>Advisory:</i> Mathematics 46 with a grade of "C" or better, or equivalent or Assessment Skill Level M40 and Health Information Technology 130, each with a grade of "C" or better, or equivalent.  <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Medical Assisting 250.  <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program.  In this course the Medical Assisting student practices the hands-on-application of medication administration. The course presents the principles and the guidelines for reading and interpreting a medical prescription. The course content also stresses the mechanisms for calculating, measuring and administering drugs; both orally and parenterally using placebos to carry out the medical prescription. Principles of intravenous (I.V.) therapy are discussed. Students maintain medication and immunization records in accordance with the appropriate application of documentation and record preparation principles. Also covered in this course are the complications of medication administration and the immediate measures that need to be applied in each situation. Students should be aware that they perform and practice invasive procedures on each other as one of the course requirements.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Advisory (Change)</i>  <i>Texts</i>  <b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>*~ 44 Supervised Tutoring in Pipefitting</b></p> <p style="text-align: right;"><b>units</b> <b>No Grade/0 Units</b></p> <p>This course is designed to prepare the student to succeed in the corequisite and subsequent subject matter courses. This course may be taken four times with a different corequisite subject matter course.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> Not required</p> <p><b>TRANSFER APPLICABILITY:</b> College noncredit course.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>*~ 304 Heating I, Steam</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course provides an introduction to hot water steam heating, gravity hot water systems, forced hot water heating systems, problems caused by air in the systems, hot water piping connections, and installation of equipment safety devices for hot water boilers.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>*~ 308 Pneumatic Controls</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course is a review of the fundamentals of pneumatics, controllers, controlled devices and auxiliary devices. The course includes day-night and heat-cooling thermostats, ventilation, heating, and cooling controls, humidity control, year-round air conditioning, and master-submaster systems.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>* ~310 Refrigeration and Air Conditioning</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course covers refrigeration and air conditioning systems. Emphasis is placed on the components in refrigeration and air conditioning systems, theories of electricity relevant to the trade, operation of evaporative condensers, maintenance on refrigeration systems, and pipe and line layout and installation in a refrigeration system.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>*~ 314 Heating II Hydronics</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This Hydronics course introduces the technical aspects of the design, calculation and installation of hydronics heating and cooling systems. Emphasis is placed on residential, commercial, institutional and industrial hydronics applications.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>* ~318 Fitting Fabrication</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course provides the student with basic pipefitting skills; taking accurate measurements, cutting pipe and calculating fitting "take off". Topics include the difference between screw and welded pipe and their uses; proper and safe use of copper and plastic pipe as well as pipe hangers and supports. Students learn to apply pipe layout and fitting fabrication principles/procedures for elbows, tees and laterals used in the industrial piping industry. In addition the student learns to use welding experience and mathematics to design, lay out and fabricate fittings used in the pipefitting trade.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>* ~320 TIG Welding</b></p> <p style="text-align: right;"><b>24 - 27 hours lecture, 24 - 27 hours lab, 2 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course is designed to provide the apprentice with a working knowledge of the welding process known as TIG (Tungsten Inert Gas)/GTAW (gas tungsten arc welding). Students learn the fundamentals, the process, equipment, techniques, preparation, shielding gas and electrodes. Guided bend testing and quality weld inspection are also covered. Emphasis is on performing TIG/GTAW welding in a safe manner.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>*~ 322 Instrumentation and Automated Systems</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course introduces the operation, installation and testing of instruments and automated systems. Emphasis is placed on pressure measuring instruments, liquid level instruments, density measuring instruments, temperature and humidity measuring instruments, speed and position transmitters, automatic force balance controllers, pneumatic control valves, control valve accessories and instrumentation systems.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>* ~324 Pipe Drafting and Blueprint Reading</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course is an introduction to blueprint reading and drafting pertaining to domestic water systems and piping layout. Emphasis is placed on the use of drawing tools and appropriate pipefitting diagrams to draw waste vent systems and to diagram water and gas lines using mock-ups.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>*~ 326 Advanced Piping Mathematics</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. Advanced Piping Mathematics is designed to introduce and develop the applied piping and calculating skills necessary in the piping industry. Topics include the application of trigonometry, offset problems, and pipe and tube bending mathematics.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>*~ 328 Pipefitters Code</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course reviews the fundamentals of pipefitting. Topics include isometric drawing interpretation, tools and tool safety, hydronics, plan reading, and trigonometry tables. The foundations of hydraulics, pneumatics, refrigeration, arc welding and rigging are introduced and explored.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>*~ 330 Pipefitting Certification</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units</b> <b>Pass/No Pass</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course covers the application of the most current codes and state regulations governing piping, mechanical installations and excavating operations. Upon completion, the apprentice will be prepared to take the Journeyman P.I.P.E. exam and Cal/OSHA Excavation Competent Person exam.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> Not required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>*~ 331 Arc Welding I</b></p> <p align="right"><b>16 - 18 hours lecture, 24 - 27 hours lab, 1.5 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> English 48, English 49 and Mathematics 46, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5, W5 and M40.  <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course is not open to students with previous credit for Pipefitting (County Pipetrades) 302.                      In this course, the student is introduced to arc welding, intensive pipe and plate welding, safe welding practices, personal protection and fire protection. Basic electricity, the types of arc welding machines, arc welding consumables, and arc welding symbols are covered. This course is designed to give the Apprentice student a basic understanding of arc welding.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>*~ 332 Arc Welding II</b></p> <p align="right"><b>24 - 27 hours lecture, 24 - 27 hours lab, 2 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> Pipefitting (County Pipetrades) 331 with a grade of "C" or better, or equivalent.  <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade.                      In this course, the student is introduced to the safety procedures for arc welding, arc welding equipment and equipment maintenance. Student learns how to weld trail beads. Additional instruction on basic electricity is covered. This course is designed to build on the students' basic understanding of arc welding.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>*~ 333 Arc Welding III</b> <b>24 - 27 hours lecture, 24 - 27 hours lab, 2 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> Pipefitting (County Pipetrades) 332 with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This is an advanced Arc Welding course. In this course, the student studies Federal OSHA rules and regulations that are related to arc welding. The student is introduced and begins to prepare for the SMAW/GTAW United Association Arc Welding certification test.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>* ~334 Arc Welding IV</b> <b>24 - 27 hours lecture, 24 - 27 hours lab, 2 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Advisory:</i> Pipefitting (County Pipetrades) 333 with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This is an advanced Arc Welding course. In this course, the student is introduced to the fundamentals of metallurgy, mechanical properties of metals, non-ferrous metals, shielding gases, and heat-treating. Welding low, medium and high-carbon steel is also covered, as well as welding alloy steels, stainless steels and high-chromium alloys. In addition, this course covers the use of computer-assisted arc welding machines for the high-tech industry.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>*~ 335 Arc Welding V</b></p> <p align="right"><b>24 - 27 hours lecture, 24 - 27 hours lab, 2 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> Pipefitting (County Pipetrades) 334 with a grade of "C" or better, or equivalent.  <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade.                  This is an Advanced Arc Welding course and is the last in a series of five welding courses required for Pipefitting Apprenticeship. In this course, students take the FED OSHA 10-hour course on confined space entry as related to arc welding and receive a certificate from FED OSHA. All procedures and techniques required for the SMAW/GTAW United Association welding certification are reviewed. The student takes the required arc-welding test at the end of this course for this Certification.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Pipefitting (County Pipetrades) (PIPF)**

<p><b>* ~349 Pipefitting Work Experience</b></p> <p align="right"><b>4 - hours other, 4 units Pass/No Pass</b></p> <p><b>REQUISITES:</b>  <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. Student must be enrolled in a related apprenticeship class. (300 hours per semester) The combined maximum credit for all work experience courses from all disciplines may not exceed 16 units. See note preceding Apprenticeship listing.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> Not required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>*~ 44 Supervised Tutoring in Plumbing</b></p> <p align="right"><b>units No Grade/0 Units</b></p> <p>This course is designed to prepare the student to succeed in the corequisite and subsequent subject matter courses. This course may be taken four times with a different corequisite subject matter course.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> Not required</p> <p><b>TRANSFER APPLICABILITY:</b> College noncredit course.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>*~ 301 Pipe Trades Orientation</b></p> <p align="right"><b>48 - 54 hours lecture, 3 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> English 48, English 49 and Mathematics 46, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5, W5 and M40.  <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade.                      This course introduces the fundamentals of the pipe trades and includes OSHA regulations, tool safety, first-aid and prevention, proper use and care of tools, workplace habits and attitudes, business practices and employer-employee relationships as they apply to the pipefitting trades.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>*~ 303 Piping Mathematics</b></p> <p align="right"><b>48 - 54 hours lecture, 3 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade.                      This course introduces Piping Mathematics and its practical application to the trade. Topics include basic math, piping formulas, symbols and terms, and the metric system of measurement. Content is explored and developed through problem solving.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>*~ 305 Pipe Bending and Rigging</b></p> <p align="right"><b>24 - 27 hours lecture, 24 - 27 hours lab, 2 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade.                      This course introduces pipe bending and rigging principles as they apply to plumbing jobs. Topics include principles, mathematics, and methods of pipe bending. Rigging hardware, slings, signal systems, and knot tying are a sampling of the course rigging topics.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>*~ 307 Drawing I</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course introduces drawing concepts used in the pipetrades and includes preliminary drawings, isometric and plan flat symbols, applied drawing and blueprint reading, plans used in the trade, and architects scale.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>*~ 309 Supervision and Leadership</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. Students learn leadership skills as defined by the United Association (UA) and the Mechanical Contractors' Association (MCA) in the field of plumbing. In addition, students are introduced to the theory and installation of domestic hot water energy systems, and the design of plumbing modules including waste vents, water and gas lines using mock-ups.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>*~ 311 Basic Science</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course reviews the fundamental science and mechanics of the piping trade. Topics include industry applications of the properties of water, hydraulics, pneumatics and metals.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p>*~ <b>313 Copper and Gas Welding</b></p> <p align="right"><b>24 - 27 hours lecture, 72 - 81 hours lab, 3 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade.                  This course provides hands-on use of soldering, brazing, welding and metal cutting procedures. Topics include safety practices, equipment needs, filler materials, types of pipe welds, oxyacetylene cutting, cutting defects, flame straightening, and use of templates.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p>*~ <b>315 Metallic Arc Welding</b></p> <p align="right"><b>24 - 27 hours lecture, 72 - 81 hours lab, 3 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade.                  This course provides instruction on arc welding, pipe and plate welding, and operation of oxyfuel cutting equipment. Students learn how to set up equipment, perform trial beads and maintain equipment. Topics also include types of welds, preheating and stress relieving and quality control and codes. This course also covers welding procedure qualifications, vee welds, pipe welds, piping materials, a basic electricity review, and pipe welding processes. Emphasis is on the safe use of equipment.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p>*~ <b>317 Drainage Systems</b></p> <p align="right"><b>48 - 54 hours lecture, 3 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade.                  This course focuses on the application of the waste and vent section of the Plumbing Code. Topics include sewage disposal and safety and the installation and testing of plumbing drainage systems, traps, vents, municipal and private sewers, and plumbing fixtures.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>*~ 319 Gas Distribution</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course focuses on the application of the gas section of the Plumbing Code with respect to the operation and installation of gas vent systems and controls. Emphasis is placed on the implications of the laws of gases and the safe design and lay out of a gas system to code specification.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>*~ 321 Math/Builder Level-Transit</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course focuses on advanced math applied to science and mechanics problems in the field. Topics include piping and offset calculations, basic flow problems and use of the builders level-transit to determine elevation differentials and simple tangents.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>* ~323 Water Distribution Systems</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course is a study of the principles which govern the method of water supply and distribution. Topics covered include water treatment, pipeline materials, pipe losses, cross connectors and backflow prevention. The focus is on the construction of a hot water supply in accordance with the Uniform Plumbing Code and sizing charts. Safety is emphasized.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>*~ 325 Fixtures and Controls</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course emphasizes plumbing fixtures and controls. Topics covered include institutional fixtures and design, fixture controls, appliances, accessories, standard abbreviations and standard specifications. Safe use of tools and equipment is emphasized.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>*~ 327 Plumbing Code</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course is a survey of the Plumbing Code emphasizing special areas requiring knowledge of large multiple installations of plumbing. Emphasis is placed on a working knowledge of applicable plumbing codes for layout and installation in the field.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>* ~329 Advanced Drawing and Plan Reading</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course provides the student with advanced level plan reading and drawing skills related to plumbing systems. Emphasis is placed on the ability to independently develop drawings and sketches and accurately interpret building plans and specifications for all primary building systems.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>*~ 330 Fifth Year Specialties</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course covers the application of the most current codes and state regulations governing plumbing, piping and excavating operations. Upon completion, the apprentice will be prepared to take the Journeyman P.I.P.E. exam and Cal/OSHA Excavation Competent Person exam.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>*~ 332 Piping Technologies</b></p> <p style="text-align: right;"><b>24 - 27 hours lecture, 24 - 27 hours lab, 2 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This is a piping course designed for plumbing apprentices wishing to expand their knowledge of the plumbing industry and the "state of the art" medical gas systems used in the trade. Topics include the necessary information and skills needed to pass the Medical Gas Installation Certification Examination recognized by the San Diego Plumbing and Pipefitter Joint Apprenticeship Committee. Apprentices also utilize computers and software to plan, diagnose, and layout plumbing projects.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>*~ 335 Solar Systems and Plumbing Modules</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course provides an introduction to the theory and installation of domestic hot water energy systems. Emphasis is placed on solar plumbing modules.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>*~ 337 Service and Repair</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course introduces the theory and practice of service work in the plumbing industry. Emphasis is placed on understanding customer relations, work planning, and troubleshooting plumbing systems.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>*~ 339 Plumbing Design and Layout</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course emphasizes the principles, operation, installation and distribution of hot and cold water, drainage and ventilation systems in regards to the Plumbing Code. Topics prepare the student to plan for plumbing project labor and material costs.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Plumbing (County Pipetrades) (PMBG)**

<p><b>*~ 349 Plumbing Work Experience</b></p> <p style="text-align: right;"><b>4 - hours other, 4 units Pass/No Pass</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. Student must be enrolled in a related apprenticeship class. (300 hours per semester) The combined maximum credit for all work experience courses from all disciplines may not exceed 16 units.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> Not required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College) <b>Approved</b></p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Curriculum Instructional Council  
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>*~ 50 Concepts in Imaging Technology</b></p> <p align="right"><b>32 - 36 hours lecture, 2 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. Must be admitted to the Radiologic Technology program. This is an introductory course for students admitted into the Radiologic Technology. Topics include the diagnostic x-ray system, radiographic body positions and projections, x-ray production and units, radiation safety, basic exposure and image receptor techniques, introductory patient care, safety and healthcare communication. Emphasis is on strong mathematical, scientific and communication skills.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> Not required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course <b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>~86 Fluoroscopy and Radiation Safety</b></p> <p align="right"><b>40 - 45 hours lecture, 2.5 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Corequisite:</i> Radiologic Technology 253A. <i>Corequisite:</i> Completion of or concurrent enrollment in Radiologic Technology 86L with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 85. This is an advanced course in fluoroscopy and radiation protection for students enrolled in the Radiologic Technology program. Topics include fluoroscopy regulations and radiation safety, fluoroscopic equipment, image intensifiers, closed-circuit equipment, image recording and image recording equipment, special fluoroscopic equipment, mobile image intensified units, anatomy and physiology of the eye and three-dimensional and radiologic anatomy.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Corequisite (Change)</i> <i>Course Description</i> <i>Course Number (was 85)</i> <i>Equivalency (New)</i> <i>Limitation on Enrollment (New)</i> <i>Methods of Instruction</i> <i>Outline of Topics</i> <i>Texts</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>~86L Fluoroscopy and Radiation Safety Laboratory</b></p> <p style="text-align: right;"><b>24 - 27 hours lab, 0.5 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Corequisite:</i> Radiologic Technology 253A. <i>Corequisite:</i> Completion of or concurrent enrollment in Radiologic Technology 86 with a grade of "C" or better, or equivalent <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 85L. This course is for students enrolled in the Radiologic Technology program. Laboratory activities include, but not be limited to, 1) methods and safe practices to reduce radiation doses to patients and personnel in general and fluoroscopic procedures, 2) general and fluoroscopic image quality and recording, and 3) quality control procedures.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Corequisite (Change)</i> <i>Course Description</i> <i>Course Number (was 85L)</i> <i>Equivalency (New)</i> <i>Hours</i> <i>Limitation on Enrollment (New)</i> <i>Methods of Instruction</i> <i>Prerequisite (Remove)</i> <i>Texts</i> <i>Units</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>~101 Basic Radiologic Technology</b></p> <p style="text-align: right;"><b>32 - 36 hours lecture, 2 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Corequisite:</i> Radiologic Technology 251A. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 105. This is an introductory course for students in the Radiologic Technology program. Topics include the role and function of the radiographer, professional organizations, medicolegal principles, state and federal regulations, radiographic terminology, basic radiation production and radiation safety.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Course Number (was 105)</i> <i>Equivalency (New)</i> <i>Hours</i> <i>Limitation on Enrollment (New)</i> <i>Outline of Topics</i> <i>Student Learning Objectives</i> <i>Units</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2015</p>
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>110 Recording Media</b></p> <p align="right"><b>32 - 36 hours lecture, 2 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Corequisite:</i> Radiologic Technology 251B.  <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program.                      This is a course for students in the Radiologic Technology program. Course topics include various image receptors and processing mechanisms utilized to acquire, process and store diagnostic images in film, computed radiography (CR) and digital radiography (DR) formats.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Texts</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>~121 Radiographic Exposure</b></p> <p align="right"><b>48 - 54 hours lecture, 3 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Corequisite:</i> Radiologic Technology 121L and Radiologic Technology 251B.  <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 120A or Radiologic Technology 121A.                      This is a course for students in the Radiologic Technology program. Topics include the selection of proper exposure factors and accessories to obtain optimal image quality while reducing patient dose.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Corequisite (New)</i>  <i>Course Number (was 121A)</i>  <i>Equivalency (New)</i>  <i>Limitation on Enrollment (New)</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>~121L Radiographic Exposure Laboratory</b></p> <p style="text-align: right;"><b>24 - 27 hours lab, 0.5 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Corequisite:</i> Radiologic Technology 251B. <i>Corequisite:</i> Completion of or concurrent enrollment in Radiologic Technology 121 with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 120B or Radiologic Technology 121B. This is a laboratory course for students in the Radiologic Technology program. Topics include radiation safety, selection of exposure factors, image processing and evaluation of image quality.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Corequisite (Change)</i> <i>Course Number (was 121B)</i> <i>Equivalency (New)</i> <i>Hours</i> <i>Limitation on Enrollment (New)</i> <i>Texts</i> <i>Units</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>131 Patient Care</b></p> <p style="text-align: right;"><b>48 - 54 hours lecture, 3 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Corequisite:</i> Radiologic Technology 251A. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 130. This is an introductory level course for students enrolled in the Radiologic Technology program. Topics include integrated patient care within the radiology department, physical and psychological needs of the patient, patient privacy laws, patient safety and assessment, routine and emergency patient care procedures, body mechanics with patient transfer, infection control, venipuncture assisting, use of contrast media, common drug nomenclature and basic concepts of pharmacology.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Texts</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>~190 Radiographic Positioning I</b></p> <p style="text-align: right;"><b>16 - 18 hours lecture, 1 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Corequisite:</i> Radiologic Technology 251A and Radiologic Technology 190L. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 199. This is an introductory level lecture course for students enrolled in the Radiologic Technology program. Topics include radiographic positioning and image critique of the chest, abdomen, pelvis and extremities.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Corequisite (New)</i> <i>Course Description</i> <i>Course Number (was 199)</i> <i>Equivalency (New)</i> <i>Hours</i> <i>Limitation on Enrollment (New)</i> <i>Methods of Instruction</i> <i>Outline of Topics</i> <i>Reading Assignments</i> <i>Student Learning Objectives</i> <i>Texts</i> <i>Units</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>*~ 190L Radiographic Positioning-I Laboratory</b></p> <p style="text-align: right;"><b>48 - 54 hours lab, 1 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Corequisite:</i> Completion of or concurrent enrollment in Radiologic Technology 190 and Radiologic Technology 251A, each with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 199. This is an introductory laboratory for students in the Radiologic Technology program. Topics include radiographic positioning and image critique of the chest, abdomen, pelvis and extremities.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course <b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Curriculum Instructional Council  
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>~201 Radiographic Positioning II</b></p> <p align="right"><b>16 - 18 hours lecture, 1 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Corequisite:</i> Radiologic Technology 251B.  <i>Corequisite:</i> Completion of or concurrent enrollment in Radiologic Technology 201L with a grade of "C" or better, or equivalent.  <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 200. This is an intermediate course for students in the Radiologic Technology program. Course topics include radiographic positioning and image critique of the vertebral column, as well as shoulder girdle, bony thorax and some advanced and/or uncommon orthopedic views of extremities and pelvis.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Corequisite (New)</i>  <i>Course Description</i>  <i>Course Number (was 200)</i>  <i>Equivalency (New)</i>  <i>Hours</i>  <i>Limitation on Enrollment (New)</i>  <i>Outline of Topics</i>  <i>Prerequisite (Remove)</i>  <i>Student Learning Objectives</i>  <i>Texts</i>  <i>Units</i>  <b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>*~ 201L Radiographic Positioning II Laboratory</b></p> <p align="right"><b>48 - 54 hours lab, 1 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Corequisite:</i> Completion of or concurrent enrollment in Radiologic Technology 201 and Radiologic Technology 251B, each with a grade of "C" or better, or equivalent.  <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. Student must be admitted to the Radiologic Technology program. This course is not open to students with previous credit for Radiologic Technology 200.  This is an intermediate laboratory course for students in the Radiologic Technology program. Course topics include radiographic positioning and image critique of the vertebral column, as well as shoulder girdle, bony thorax and some advanced and/or uncommon orthopedic views of extremities and pelvis.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course  <b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>~210 Radiographic Positioning III</b></p> <p style="text-align: right;"><b>16 - 18 hours lecture, 1 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Corequisite:</i> Radiologic Technology 252B. <i>Corequisite:</i> Completion of or concurrent enrollment in Radiologic Technology 210L with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 211. This is an advanced course for students in the Radiologic Technology program. Course topics include radiographic positioning and image critique of cranial structures and contrast media examinations of the gastrointestinal, urinary, musculoskeletal, reproductive, vascular and central nervous systems. Mobile and trauma procedures are also discussed.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Corequisite (New)</i> <i>Course Description</i> <i>Course Number (was 211)</i> <i>Equivalency (New)</i> <i>Hours</i> <i>Limitation on Enrollment (New)</i> <i>Outline of Topics</i> <i>Prerequisite (Remove)</i> <i>Student Learning Objectives</i> <i>Texts</i> <i>Units</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>*~ 210L Radiographic Positioning III</b></p> <p style="text-align: right;"><b>48 - 54 hours lab, 1 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Corequisite:</i> Completion of or concurrent enrollment in: Radiologic Technology 210 and Radiologic Technology 252B, each with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 211. This is an advanced course for students in the Radiologic Technology program. Course topics include laboratory radiographic simulation and image critique of cranial structures and contrast media examinations of the gastrointestinal, urinary, musculoskeletal, reproductive, vascular and central nervous systems. Mobile and trauma procedures are also discussed.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course <b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Curriculum Instructional Council  
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<b>221 Advanced Imaging Techniques</b>  <b>32 - 36 hours lecture, 2 units Grade Only</b>  <b>REQUISITES:</b> <i>Corequisite:</i> Radiologic Technology 252B. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 220. This is an advanced level course for students in the Radiologic Technology program. Topics include radiographic digital imaging, quality control and quality assurance, as well as introductory concepts in advanced imaging modalities, including Computed Tomography (CT), Magnetic Resonance (MR), Cardiac Interventional (CI), Vascular Interventional (VI), Ultrasound (US), Nuclear Medicine (NM) and Dual Energy X-ray Absorptiometry (DEXA).  <b>FIELD TRIP REQUIREMENTS:</b> May be required  <b>TRANSFER APPLICABILITY:</b> Associate Degree Credit & transfer to CSU.	<b>Offered At:</b> Mesa  <b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Outline of Topics</i> <i>Student Learning Objectives</i> <i>Texts</i> <b>Approved</b>  <b>Proposed for College(s):</b> Mesa  <b>Originating Campus:</b> MESA  <b>Effective:</b> Fall 2014
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<b>230 Radiologic Science</b>  <b>32 - 36 hours lecture, 2 units Grade Only</b>  <b>REQUISITES:</b> <i>Corequisite:</i> Radiologic Technology 252B. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This is a course for students in the Radiologic Technology program. Topics include the theoretical principles in radiation physics, x-ray production, interaction of x-rays with matter and the function of x-ray equipment components.  <b>FIELD TRIP REQUIREMENTS:</b> May be required  <b>TRANSFER APPLICABILITY:</b> Associate Degree Credit & transfer to CSU.	<b>Offered At:</b> Mesa  <b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Texts</i> <b>Approved</b>  <b>Proposed for College(s):</b> Mesa  <b>Originating Campus:</b> MESA  <b>Effective:</b> Fall 2014
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>241 Sectional Anatomy</b></p> <p style="text-align: right;"><b>48 - 54 hours lab, 1 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Corequisite:</i> Radiologic Technology 253A.  <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program.  This is an advanced course for students in the Radiologic Technology program. Topics include differentiation of head, neck, thorax, abdomen, pelvis and extremity anatomy demonstrated on sectional images from various imaging modalities.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Methods of Instruction</i>  <i>Outline of Topics</i>  <i>Texts</i>  <b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>242 Organization of Radiology</b></p> <p style="text-align: right;"><b>16 - 18 hours lecture, 1 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Corequisite:</i> Radiologic Technology 253B.  <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program.  This is an advanced level course for students in the Radiologic Technology program. Emphasis is placed on radiologic technologist responsibilities, compliance, imaging advancements and certifications.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Methods of Instruction</i>  <i>Texts</i>  <b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Dist. Ed Proposed For College(s):</b>  Mesa  <b>Reviewed</b></p> <p><b>Effective:</b> Fall 2014</p>
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**Curriculum Instructional Council  
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>251A Directed Clinical Practice I</b></p> <p align="right"><b>225 - hours other, 3 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This is a beginning level course for students in the Radiologic Technology program. This course provides students with supervised clinical training at a District clinical affiliate. Topics include basic patient and radiographic care, medical ethics and safety, and effective healthcare communication. Exam competency focuses on basic exposure principles and radiographic procedures of the chest, thorax, abdomen, pelvis and extremities. Supervision is shared by the staff of the clinical education center and college faculty.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Methods of Evaluation</i> <i>Prerequisite (Remove)</i> <i>Student Learning Objectives</i> <i>Texts</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>251B Directed Clinical Practice II</b></p> <p align="right"><b>300 - hours other, 4 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Prerequisite:</i> Radiologic Technology 251A with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 251C. This is a course for students in the Radiologic Technology program. This course provides students with supervised clinical training at a District clinical affiliate. Topics include increased skills in patient and radiographic care, medical ethics and safety, and effective healthcare communication. Exam competency focuses on basic exposure principles and radiographic procedures of the spine and fluoroscopic procedures of the gastrointestinal, urinary and biliary systems. Supervision is shared by the staff of the clinical education center and college faculty.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Corequisite (Remove)</i> <i>Methods of Evaluation</i> <i>Texts</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Curriculum Instructional Council  
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<b>252A Directed Clinical Practice III</b>  <b>375 - hours other, 5 units Grade Only</b>  <b>REQUISITES:</b> <i>Prerequisite:</i> Radiologic Technology 251B with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This is an intermediate course for students in the Radiologic Technology program. Course material provides students with supervised clinical training at a District clinical affiliate. Topics include the advancement of patient care and radiographic skills while employing appropriate medical ethics and safety and effective healthcare communication. Supervision is shared by the staff of the clinical education center and college faculty.  <b>FIELD TRIP REQUIREMENTS:</b> May be required  <b>TRANSFER APPLICABILITY:</b> Associate Degree Credit & transfer to CSU.	<b>Offered At:</b> Mesa  <b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Methods of Evaluation</i> <i>Texts</i> <b>Approved</b>  <b>Proposed for College(s):</b> Mesa  <b>Originating Campus:</b> MESA  <b>Effective:</b> Fall 2014
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<b>252B Directed Clinical Practice IV</b>  <b>375 - hours other, 5 units Grade Only</b>  <b>REQUISITES:</b> <i>Prerequisite:</i> Radiologic Technology 252A with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This is an advanced course for students in the Radiologic Technology program. This course provides students with supervised clinical training at a District clinical affiliate. Topics include the advancement of skills in patient care and radiographic skills while employing appropriate medical ethics, safety and effective healthcare communication. Exam competency focuses on radiographic procedures of cranio-facial structures and fluoroscopic examinations of the musculoskeletal, reproductive, vascular and central nervous systems. Supervision is shared by the staff of the clinical education center and college faculty.  <b>FIELD TRIP REQUIREMENTS:</b> May be required  <b>TRANSFER APPLICABILITY:</b> Associate Degree Credit & transfer to CSU.	<b>Offered At:</b> Mesa  <b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Methods of Evaluation</i> <i>Texts</i> <b>Approved</b>  <b>Proposed for College(s):</b> Mesa  <b>Originating Campus:</b> MESA  <b>Effective:</b> Fall 2014
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**Subject: Radiologic Technology (RADT) Discipline: Radiation Therapy**

<p><b>253A Directed Clinical Practice V</b></p> <p style="text-align: right;"><b>375 - hours other, 5 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Prerequisite:</i> Radiologic Technology 252B with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This is an advanced course for students in the Radiologic Technology program. This course provides students with supervised clinical training at a District clinical affiliate. Topics include the advancement of skills in patient and radiographic care while employing appropriate medical ethics, safety and effective healthcare communication. Exam competency focuses on trauma, pediatric, operative and mobile radiographic procedures. Supervision is shared by the staff of the clinical education center and college faculty.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Methods of Evaluation</i> <i>Texts</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Radiologic Technology (RADT) Discipline: Radiological Technology**

<p><b>253B Directed Clinical Practice VI</b></p> <p style="text-align: right;"><b>375 - hours other, 5 units</b> <b>Grade Only</b></p> <p><b>REQUISITES:</b> <i>Prerequisite:</i> Radiologic Technology 253A with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This is an advanced course for students in the Radiologic Technology program. This course provides students with supervised clinical training at a District clinical affiliate. Topics include the advancement of skills in patient and radiographic care while employing appropriate medical ethics and safety, as well as effective healthcare communication. Supervision is shared by the staff of the clinical education center and college faculty.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Methods of Evaluation</i> <i>Texts</i></p> <p><b>Approved</b></p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Spanish (SPAN) Discipline: Foreign Languages**

<p><b>101 First Course in Spanish</b></p> <p style="text-align: right;"><b>80 - 90 hours lecture, 5 units</b> <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> English 43 with a grade of "C" or better, or equivalent or Assessment Skill Level W4.  <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for or concurrent enrollment in Spanish 100.          This interactive course introduces students to the Spanish language and the cultures of the Spanish speaking world. Students use basic Spanish language structures and vocabulary to speak, listen, read, and write in cultural context at the novice level. This course is intended for all students interested in gaining proficiency in the Spanish language for academic purposes and/or personal enrichment.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Course Description</i>  <i>Critical Thinking Assignments</i>  <i>Methods of Evaluation</i>  <i>Methods of Instruction</i>  <i>Outline of Topics</i>  <i>Outside Assignments</i>  <i>Reading Assignments</i>  <i>Student Learning Objectives</i>  <i>Texts</i>  <i>Writing Assignments</i>  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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**Subject: Spanish (SPAN) Discipline: Foreign Languages**

<p><b>102 Second Course in Spanish</b></p> <p style="text-align: right;"><b>80 - 90 hours lecture, 5 units</b> <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b>  <i>Prerequisite:</i> Spanish 101 with a grade of "C" or better, or equivalent or two years of high school Spanish with a grade of 'C' or better, or equivalent.  <i>Advisory:</i> English 43 with a grade of "C" or better, or equivalent or Assessment Skill Level W4.  <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for or concurrent enrollment in Spanish 100.          This interactive course is the second in the Spanish language series. Students use increasingly complex Spanish language structures to speak, listen, read, and write in cultural context at the novice-high level. This course is intended for all students interested in gaining proficiency in the Spanish language for academic purposes and/or personal enrichment</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. UC Transfer Course List. CSU General Education.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation)  <i>Six Year Review</i>  <i>Course Description</i>  <i>Critical Thinking Assignments</i>  <i>Methods of Evaluation</i>  <i>Methods of Instruction</i>  <i>Outline of Topics</i>  <i>Outside Assignments</i>  <i>Reading Assignments</i>  <i>Student Learning Objectives</i>  <i>Texts</i>  <i>Writing Assignments</i>  <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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Actions Approved – March 13, 2014 Addendum**

**Subject: Spanish (SPAN) Discipline: Foreign Languages**

<p><b>201 Third Course in Spanish</b></p> <p style="text-align: right;"><b>80 - 90 hours lecture, 5 units</b> <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b> <i>Prerequisite:</i> Spanish 102 with a grade of "C" or better, or equivalent or three years of high school Spanish. This interactive course is the third in the Spanish language series. Students use increasingly complex language structures and vocabulary to develop the functional competence required to communicate beyond survival needs and to discuss and express opinions on abstract topics related to the arts, lifestyle, linguistics, and literature at the intermediate level. This course is intended for students majoring in Spanish and anyone interested in gaining proficiency in the Spanish language for academic purposes and/or personal enrichment.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU. CSU General Education. UC Transfer Course List.</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Critical Thinking Assignments</i> <i>Methods of Evaluation</i> <i>Methods of Instruction</i> <i>Outline of Topics</i> <i>Outside Assignments</i> <i>Reading Assignments</i> <i>Student Learning Objectives</i> <i>Texts</i> <i>Writing Assignments</i> <b>Approved</b></p> <p><b>Proposed for College(s):</b> City, Mesa, Miramar</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Fall 2014</p>
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\*Requires Board of Trustees approval prior to implementation  
~Course requires CCCC submission

Approved

## Curriculum Instructional Council Actions Approved – March 13, 2014 Addendum

### **PROGRAM CHANGES**

(Note: To view from *Proposals* screen, click *Program Search* button, scroll down to program name, then option title, if appropriate, and click *PR* icon.)

\*Agriculture

**Program Revision- Approved**

Agriculture- City, PID 2721: Effective Fall 2014

**Sustainable Urban Agriculture Associate of Science Degree**

\*Apprenticeship

**Program Deactivation- Approved**

Pipefitting (County Pipetrades)- City, PID 2846: Effective Fall 2014

**Pipefitting (County Pipetrades) Apprenticeship Certificate of Achievement**

\*Apprenticeship

**Program Deactivation- Approved**

Pipefitting (County Pipetrades)- City, PID 2844: Effective Fall 2014

**Pipefitting (County Pipetrades) Apprenticeship Associate of Science**

\*Apprenticeship

**Program Deactivation- Approved**

Plumbing (County Pipetrades)- City, PID 2848: Effective Fall 2014

**Plumbing (County Pipetrades) Apprenticeship Certificate of Achievement**

\*Apprenticeship

**Program Deactivation- Approved**

Plumbing (County Pipetrades)- City, PID 2847: Effective Fall 2014

**Plumbing (County Pipetrades) Apprenticeship Associate of Science**

\*Apprenticeship

**Program Revision- Approved**

Solar-City, PID 2876: Effective Fall 2014

**Solar Turbines, Incorporated Apprenticeship Associate of Science**

\*Apprenticeship

**Program Revision- Approved**

Solar- City, PID 2875: Effective Fall 2014

**Solar Turbines, Incorporated Apprenticeship Certificate of Achievement**

\*Art-Fine Art

**New Program- Approved**

Art-Fine Art-Mesa, PID 2770: Effective Fall 2014

**Studio Arts Associate in Arts for Transfer**

\*Automotive Technology

**Program Revision- Approved**

Automotive Technology- Miramar, PID 2799: Effective Fall 2014

**Automotive Technology Associate of Science**

\*Automotive Technology

**New Program- Approved**

Automotive Technology- Miramar, PID 2800: Effective Fall 2014

**Advanced Emission Specialist Certificate of Performance**

\*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

Approved

**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

\*Business Studies

**New Program- *Approved***

Accounting- City, PID 2884: Effective Fall 2014

**Accounting Technician Certificate of Achievement**

\*Business Studies

**New Program- *Approved***

Accounting- City, PID 2726: Effective Fall 2014

**Bookkeeping for a Small Business Certificate of Performance**

\*Business Studies

**New Program- *Approved***

Accounting- City, PID 2728: Effective Fall 2014

**Income Tax Preparation Internship Certificate of Performance**

\*Business Studies

**Program Revision- *Approved***

Accounting- City, PID 2727: Effective Fall 2014

**Tax Preparer Certificate of Performance**

\*Business Studies

**Program Revision- *Approved***

Accounting- City, PID 2725: Effective Fall 2014

**Recordkeeping for a Small Business Certificate of Performance**

\*Business Studies

**Program Revision- *Approved***

Business- City, PID 2838: Effective Fall 2014

**Business Presentations Certificate of Performance**

\*Business Studies

**New Program- *Approved***

Business- City, PID 2877: Effective Fall 2014

**Office Technology Certificate of Achievement**

\*Business Studies

**Program Revision- *Approved***

Business- City, PID 2730: Effective Fall 2014

**Starting and Managing a Small Business Certificate of Performance**

\*Business Studies

**Program Revision- *Approved***

Business- City, PID 2731: Effective Fall 2014

**Business Communications and Cultural Competence Certificate of Performance**

\*Business Studies

**Program Revision- *Approved***

Business-City, PID 2733: Effective Fall 2014

**enactus Certificate of Performance**

\*Business Studies

**New Program- *Approved***

Business- City, PID 2729: Effective Fall 2014

**Writing and Computational Skills for Business Certificate of Performance**

\*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

Approved

**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

\*Computer and Information Sciences

**Program Revision- *Approved***

Computer and Information Sciences- Miramar, PID 2748: Effective Fall 2014

**Computer Programming Certificate of Performance**

\*Computer Information Systems

**Program Deactivation- *Approved***

Computer and Information Sciences- City, PID 2853: Effective Fall 2014

**Computer Information Systems Certificate of Achievement**

\*Computer Information Systems

**Program Deactivation- *Approved***

Computer and Information Sciences- City, PID 2854: Effective Fall 2014

**Computer Information Systems Associate of Science**

\*Computer Information Systems

**Program Deactivation- *Approved***

Computer and Information Sciences- City, PID 2868: Effective Fall 2014

**Computer Programming Certificate of Performance**

\*Computer Information Systems

**New Program- *Approved***

Computer and Information Sciences- City, PID 2869: Effective Fall 2014

**Computer Programming Certificate of Achievement**

\*Computer Information Systems

**New Program- *Approved***

Computer and Information Sciences- City, PID 2870: Effective Fall 2014

**Computer Programming Associate of Science**

\*Computer Information Systems

**Program Deactivation- *Approved***

Computer and Information Sciences- City, PID 2522: Effective Fall 2014

**Internet Fluency Certificate of Performance**

\*Computer Information Systems

**New Program- *Approved***

Computer and Information Sciences- City, PID 2872: Effective Fall 2014

**Intermediate C++ Certificate of Performance**

\*Computer Information Systems

**New Program- *Approved***

Computer and Information Sciences- City, PID 2871: Effective Fall 2014

**Introduction to C++ Certificate of Performance**

\*Computer Business Technology

**Program Revision- *Approved***

Computer Business Technology- City, PID 2804: Effective Fall 2014

**Administrative Assistant Certificate of Achievement**

\*Computer Business Technology

**Program Revision- *Approved***

Computer Business Technology- City, PID 2805: Effective Fall 2014

**Administrative Assistant Associate of Science**

\*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

Approved

**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

\*Computer Business Technology  
**Program Revision- Approved**  
Computer Business Technology- City, PID 2819: Effective Fall 2014  
**Administrative Office Management Certificate of Achievement**

\*Computer Business Technology  
**Program Revision- Approved**  
Computer Business Technology- City, PID 2818: Effective Fall 2014  
**Administrative Office Management Associate of Science**

\*Computer Business Technology  
**New Program- Approved**  
Computer Business Technology- City, PID 2852: Effective Fall 2014  
**Business Information Worker Certificate of Achievement**

\*Computer Business Technology  
**Program Deactivation- Approved**  
Computer Business Technology- City, PID 2833: Effective Fall 2014  
**Business Presentations Certificate of Performance**

\*Computer Business Technology  
**Program Deactivation- Approved**  
Computer Business Technology- City, PID 2832: Effective Fall 2014  
**Computer Basics Certificate of Performance**

\*Computer Business Technology  
**Program Revision- Approved**  
Computer Business Technology- City, PID 2836: Effective Fall 2014  
**Computer Literacy Certificate of Performance**

\*Computer Business Technology  
**Program Deactivation- Approved**  
Computer Business Technology- City, PID 2838: Effective Fall 2014  
**Data Management Basics Certificate of Performance**

\*Computer Business Technology  
**Program Deactivation- Approved**  
Computer Business Technology- City, PID 2834: Effective Fall 2014  
**Desktop Publishing Basics Certificate of Performance**

\*Computer Business Technology  
**Program Revision- Approved**  
Computer Business Technology- City, PID 2821: Effective Fall 2014  
**Legal Administrative Assistant Certificate of Achievement**

\*Computer Business Technology  
**Program Revision- Approved**  
Computer Business Technology- City, PID 2820: Effective Fall 2014  
**Legal Administrative Assistant Associate of Science**

\*Computer Business Technology  
**Program Deactivation- Approved**  
Computer Business Technology- City, PID 2831: Effective Fall 2014  
**Office Communications Certificate of Performance**

\*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

Approved

**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

- \*Computer Business Technology  
**New Program- Approved**  
Computer Business Technology- Mesa, PID 2851: Effective Fall 2014  
**Office Management Certificate of Achievement**
  
- \*Computer Business Technology  
**New Program- Approved**  
Computer Business Technology- Mesa, PID 2318: Effective Fall 2014  
**Office Management Associate of Science**
  
- \*Computer Business Technology  
**Program Deactivation- Approved**  
Computer Business Technology- City, PID 2835: Effective Fall 2014  
**Office Software Basics Certificate of Performance**
  
- \*Computer Business Technology  
**Program Revision- Approved**  
Computer Business Technology- City, PID 2837: Effective Fall 2014  
**Office Support Basics Certificate of Performance**
  
- \*Computer Business Technology  
**Program Deactivation- Approved**  
Computer Business Technology- City, PID 2829: Effective Fall 2014  
**Presentation Basics Certificate of Performance**
  
- Computer Business Technology  
**Program Revision- Approved**  
Computer Business Technology- City, PID 2806: Effective Fall 2014  
**Records Information Management Certificate of Achievement**
  
- Computer Business Technology  
**Program Revision- Approved**  
Computer Business Technology- City, PID 2807: Effective Fall 2014  
**Records Information Management Associate of Science**
  
- \*Computer Business Technology  
**Program Revision- Approved**  
Computer Business Technology- City, PID 2813: Effective Fall 2014  
**Records Management Basics Certificate of Performance**
  
- \*Computer Business Technology  
**Program Revision- Approved**  
Computer Business Technology- City, PID 2815: Effective Fall 2014  
**Soft Skills Basics Certificate of Performance**
  
- \*Computer Business Technology  
**Program Deactivation- Approved**  
Computer Business Technology- City, PID 2828: Effective Fall 2014  
**Web Design Basics Certificate of Performance**
  
- \*Computer Business Technology  
**Program Deactivation- Approved**  
Computer Business Technology- City, PID 2827: Effective Fall 2014  
**Word Processing Basics Certificate of Performance**

\*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

Approved

**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

\*Computer Information Systems

**New Program- *Approved***

Computer Business Technology- City, PID 2873: Effective Fall 2014

**C++ Certificate of Achievement**

\*Computer Information Systems

**Program Deactivation- *Approved***

Information, Network and Web Technologies- City, PID 2521: Effective Fall 2014

**Certified Convergent Network Technologist Certificate of Performance**

\*Computer Information Systems

**New Program- *Approved***

Information, Network and Web Technologies- City, PID 2867: Effective Fall 2014

**Desktop Support Technician II Certificate of Achievement**

\*Computer Information Systems

**Program Deactivation- *Approved***

Information, Network and Web Technologies- City, PID 2866: Effective Fall 2014

**Network Technician Certificate of Performance**

\*Computer Information Systems

**New Program- *Approved***

Information, Network and Web Technologies- City, PID 2826: Effective Fall 2014

**Project Management for Information Technology Certificate of Performance**

\*English

**New Program- *Approved***

English- City, PID 2631: Effective Fall 2014

**English Associate in Arts for Transfer**

\*English

**New Program- *Approved***

English- Mesa, PID 2882: Effective Fall 2014

**English Associate in Arts for Transfer**

\*English

**Program Revision- *Approved***

English- Mesa, PID 2749: Effective Fall 2014

**English Associate of Arts**

\*English

**Program Revision- *Approved***

English- Mesa, PID 2750: Effective Fall 2014

**Creative Writing Certificate of Performance**

\*Exercise Science

**Program Revision- *Approved***

Physical Education- Miramar, PID 2740: Effective Fall 2014

**Kinesiology Associate in Arts for Transfer**

\*Fashion

**Program Revision- *Approved***

Fashion- Mesa, PID 2718: Effective Fall 2014

**Fashion Design Certificate of Achievement**

\*Fashion

\*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission



Approved

**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

**Program Revision- *Approved***

Fashion- Mesa, PID 2717: Effective Fall 2014  
**Fashion Design Associate of Science**

\*Fashion

**Program Revision- *Approved***

Fashion- Mesa, PID 2719: Effective Fall 2014  
**Fashion Merchandising Certificate of Achievement**

\*Fashion

**Program Revision- *Approved***

Fashion- Mesa, PID 2720: Effective Fall 2014  
**Fashion Merchandising Associate of Science**

\*Fire Protection Technology

**Program Revision- *Approved***

Fire Protection Technology- Miramar, PID 2582: Effective Fall 2014  
**Fire Officer Certification Certificate of Achievement**

\*Fire Protection Technology

**Program Revision- *Approved***

Fire Protection Technology- Miramar, PID 2583: Effective Fall 2014  
**Fire Officer Certification Associate of Science**

\*Humanities

**Program Revision- *Approved***

Humanities- Mesa, PID 2752: Effective Fall 2014  
**Honors Global Competencies Certificate Certificate of Achievement**

\*Interior Design

**Program Revision- *Approved***

Interior Design- Mesa, PID 2796: Effective Fall 2014  
**Interior Design Certificate of Achievement**

\*Interior Design

**Program Revision- *Approved***

Interior Design- Mesa, PID 2797: Effective Fall 2014  
**Interior Design Associate of Science**

\*Journalism

**Program Revision- *Approved***

Journalism-Mesa, PID 2722: Effective Fall 2014  
**Journalism Associate of Arts**

\*Journalism

**Program Revision- *Approved***

Journalism, Mesa- PID 2723: Effective Fall 2014  
**Journalism Certificate of Achievement**

\*Journalism

**Program Revision- *Approved***

Journalism- Mesa- PID 2881: Effective Fall 2014  
**Public Relations Certificate of Achievement**

\*Journalism

\*Requires Board of Trustees approval prior to implementation  
~Course requires CCCC submission

*Approved*

**Curriculum Instructional Council  
Actions Approved – March 13, 2014 Addendum**

**Program Revision- *Approved***

Journalism- Mesa, PID 2753: Effective Fall 2014

**Journalism Associate in Arts for Transfer**

\*Liberal Arts and Sciences

**Program Revision- *Approved***

Liberal Arts and Sciences-City, PID 2839: Effective Fall 2014

**Liberal Arts and Sciences-Scientific Studies Mathematics and Pre-Engineering Associate of Arts**

\*Liberal Arts and Sciences

**Program Revision- *Approved***

Liberal Arts and Sciences- City, PID 2795: Effective Fall 2014

**Liberal Arts and Sciences-Social and Behavioral Sciences Associate of Arts**

\*Radiologic Technology

**Program Revision- *Approved***

Radiologic Technology- Mesa, PID 2856: Effective Fall 2014

**Radiologic Technology Certificate of Achievement**

\*Radiologic Technology

**Program Revision- *Approved***

Radiologic Technology- Mesa, PID 2855: Effective Fall 2014

**Radiologic Technology Associate of Science**

\*World Language Studies

**Program Revision- *Approved***

Humanities- Miramar, PID 2859: Effective Fall 2014

**World Language Studies Associate of Arts**

\*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission