

**Curriculum Instructional Council  
Actions Approved – November 11, 2010**

**Agriculture (AGRI)**

<p><b>* 108 Building Fertile Soil Organically</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 Level 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 and/or private colleges and universities.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course</p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><i>This course is being proposed at City for UC Transfer Course List.</i></p> <p><b>Effective:</b> Fall 2011  <b>Approved</b></p>
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**Agriculture (AGRI)**

<p><b>* 116 Drip Irrigation Basics</b>                  32 - 36 hours lecture, 2 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 Level 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 and/or private colleges and universities.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course</p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Summer 2011  <b>Approved</b></p>
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**Agriculture (AGRI)**

<p><b>* 118 Sustainable Landscaping Using Organic Methods</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 with a grade of "C" or better, or equivalent or Assessment Skill Level 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 and/or private colleges and universities.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course</p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><i>This course is being proposed at City for UC Transfer Course List.</i></p> <p><b>Effective:</b> Fall 2011  <b>Approved</b></p>
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**Agriculture (AGRI)**

<p><b>* 126 Introduction to Permaculture Design</b>  <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 Level 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 and/or private colleges and universities.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course</p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Summer 2011  <b>Approved</b></p>
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**American Sign Language/Interpreting (AMSL)**

<p><b>44 Supervised Tutoring in American Sign Language</b></p> <p align="right"><b>0 units No Grade</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, Mesa</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Active at another College)</p> <p><b>Proposed for College(s):</b> Mesa</p> <p><b>Originating Campus:</b> MESA</p> <p><b>Effective:</b> Spring 2011</p> <p><b>Approved</b></p>
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**American Sign Language/Interpreting (AMSL)**

<p><b>210 Introduction to Specialized Settings</b></p> <p align="right"><b>48 - 54 hours lecture, 3 units Grade Only</b></p> <p><b>REQUISITES:</b> <i>Prerequisite:</i> American Sign Language/Interpreting 205 with a grade of "C" or better, or equivalent.</p> <p>This course is designed to provide students of American Sign Language (ASL) - English Interpretation with an introduction to the application of interpreting skills to a variety of professional settings and situations. Settings covered include, but are not limited to Community, Conference, Deaf/Blind, Educational (K-12 and Post-secondary), Legal, Medical, Mental Health, Performing Arts, Religious Interpreting, and Video Relay Interpreting, and Private Practice and Freelance. This course is intended for students who plan to transfer and/or are interested in becoming an ASL Interpreter.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Prerequisite</i> (Change)</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</p> <p><b>Effective:</b> Fall 2011</p> <p><b>Approved</b></p>
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**Emergency Medical Technician (EMGM)**

<p><b>105A Emergency Medical Technician - National Registry</b>  <b>96 - 108 hours lecture, 48 - 54 hours lab, 7 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for FIPT 130 or EMGM 105.  <i>Limitation on Enrollment:</i> Health and Safety. Students must have a current Healthcare Provider Level CPR Card, immunization record, and a current TB test within 6 months of course start.                  This course covers the techniques of emergency medical care and transportation of the sick and injured within the responsibilities of the Emergency Medical Technician. The course content is based upon the State of California Emergency Medical Services Authority requirements referenced in Title 22, Division 9, Chapter 2, Article L of the California Administrative Code. Course approval is with the San Diego County Emergency Medical Services. Upon successful completion, the student will be eligible to take the National Registry EMT Cognitive Examination for Emergency Medical Technician.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities.</p>	<p><b>Offered At:</b> Miramar</p> <p><b>Action(s) Proposed:</b> Course Revision (May Include Activation) <i>Critical Thinking Assignments</i> <i>Equivalency (EMGM 105, FIPT 130)</i> <i>Hours</i> <i>Limitation on Enrollment</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>Units</i> <i>Writing Assignments</i></p> <p><b>Proposed for College(s):</b> Miramar</p> <p><b>Originating Campus:</b> MIRAMAR</p> <p><b>Effective:</b> Summer 2011  <b>Approved</b></p>
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**Futures Studies (FUTR)**

<p><b>* 250 Field Experience in Futures Studies</b>  <b>16 - 54 hours lecture, 32 - 108 hours other, 1-3 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Prerequisite:</i> Futures Studies 101 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 Level R6 and W6.                  Students in this course develop and implement field experience projects under the supervision of college faculty. In cooperation with the staff of community organizations and agencies, students design these projects to assist the college's neighborhood communities. Students gain hands-on experience in project planning, development, implementation and evaluation. Students meet regularly with faculty and peers to receive feedback, support and guidance in their community projects. This course may be repeated up to two times, but the total units earned may not exceed three units. This course is intended for students interested in Futures Studies.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities.</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course</p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Spring 2011  <b>Approved</b></p>
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**Curriculum Instructional Council  
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**Mecomtronics (MCTR)**

<p><b>* 44 Supervised Tutoring</b></p> <p align="right"><b>0 units No Grade</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)</p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Spring 2011</p> <p><b>Approved</b></p>
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**Mecomtronics (MCTR)**

<p><b>* 101A Basic Computer Systems Maintenance, Support, and Applications</b></p> <p align="right"><b>32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</b></p> <p>This course focuses on computer hardware and software and their application to engineering and maintenance. Students become computer literate as well as learn how to support, maintain, upgrade and do basic hardware and software troubleshooting, and use the computer for engineering problem-solving and documentation using spreadsheets and database software, word processors, and applications packages. Additional areas addressed within this course are software-licensing requirements, use of the Internet and manufacturer's computer bulletin boards to download software updates and technical specifications.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)</p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Spring 2011</p> <p><b>Approved</b></p>
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**Mecomtronics (MCTR)**

<p><b>* 104A Applied C Programming for Technology</b>  <b>32 - 36 hours lecture, 48 - 54 hours lab, 3 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Prerequisite:</i> Mathematics 181 with a grade of "C" or better, or equivalent.                  This is an introduction to structured programming using ANSI C, which is used in engineering technology. Programming problems applicable to engineering technology, physics, and mathematics are used to develop and illustrate the structures of the C programming language. Topics include data types, operators, functions, input/output operations, decision statements, loop structures, recursion, pointers, arrays, strings, and binary I/Q operations.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)</p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Spring 2011  <b>Approved</b></p>
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**Mecomtronics (MCTR)**

<p><b>* 120C Basic Physics for Technical Applications III</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> Mecomtronics 120B and Mathematics 183, each with a grade of "C" or better, or equivalent.  <i>Corequisite:</i> Mathematics 184.                  This course is the third course in a three-course sequence in technical science and physics and is intended for students enrolled in the Engineering Technology/Mecomtronics program. \par This course presents the tools that are used in technical applications. The topics of study include the electric fields, electric potential, circuit elements, DC and AC circuit analysis, magnetic field, electromagnetism, geometric and physical optics, the special theory of relativity, discoveries in modern physics and an introduction to quantum mechanics. Emphasis is placed on the conceptual and computational principles of physics and experimental studies that demonstrate the use of the equations discussed in the theory. Analytical reading and problem solving are required for success in this course.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities. CSU General Education.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)</p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Spring 2011  <b>Approved</b></p>
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**Mecomtronics (MCTR)**

<p><b>* 204A Industrial Electronics</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> Mecomtronics 201A, 202A and Mathematics 183, each with a grade of "C" or better, or equivalent.                  This is a capstone course for the Engineering Technology/Mecomtronics program and introduces the fundamentals of industrial electronics as well as provides an environment in which students in this program use a combination of skills in a major project. Modern industrial electronics and control devices are introduced through various activities. Topics include but are not limited to logic controllers, thyristers, opto-electronic devices, and motors. This course is intended solely for students enrolled in the fourth semester of the Engineering Technology/Mecomtronics program.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities.</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)</p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Spring 2011  <i>Approved</i></p>
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**Psychology (PSYC)**

<p><b>276 Field Work in Psychological Services</b>  <b>32 - 36 hours lecture, 3 - hours other, 3 units</b>  <b>Letter Grade or Pass/No Pass Option</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> English 48 and 49, each with a grade of "C" or better, or equivalent or Assessment Skill Level R5 and W5.                  This supervised field experience course enables the student to be of service to the community while learning about the function of human care services. Emphasis is placed on providing students with the chance to explore the varied career choices in the field of psychology as well as on practical experience with basic helping skills in current social service situations. This course is intended for students who want to work with people in human care services.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities.</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Activation (Currently active at another college)</p> <p><b>Proposed for College(s):</b> City</p> <p><b>Originating Campus:</b> CITY</p> <p><b>Effective:</b> Spring 2011  <i>Approved</i></p>
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**Radiologic Technology (RADT)**

<p><b>* 85 Fluoroscopy and Radiation Safety</b>  <p align="right"><b>40 - 45 hours lecture, 2.5 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Corequisite:</i> Radiologic Technology 85L.  <i>Corequisite: Completion of or concurrent enrollment in:</i> Radiologic Technology 220 and 230, each with a grade of "C" or better, or equivalent.                      Topics include California state-approved curriculum to satisfy the didactic educational requirements for a California fluoroscopy permit. A minimum of forty (40) hours of lecture will include topics such as 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. This is an advanced course in fluoroscopy and radiation protection for radiologic technology students.</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>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course</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</p> <p><b>Effective:</b> Spring 2011  <i>Approved</i></p>
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**Radiologic Technology (RADT)**

<p><b>* 85L Fluoroscopy and Radiation Safety Laboratory</b>  <p align="right"><b>48 - 54 hours lab, 1 unit Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Corequisite:</i> Radiologic Technology 85.  <i>Corequisite: Completion of or concurrent enrollment in:</i> Radiologic Technology 220 and 230, each with a grade of "C" or better, or equivalent.                      Activities include California state-mandated curriculum to satisfy the laboratory educational requirements for 1) general diagnostic radiologic technology (minimum of 25 hours), and 2) California fluoroscopy permit (minimum of 15 hours). Laboratory activities will 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. This is an advanced laboratory course in fluoroscopy and radiation protection for radiologic technology students.</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>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course</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</p> <p><b>Effective:</b> Spring 2011  <i>Approved</i></p>
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**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.)

**\*Computer Business Technology**

**Program Revision- *Approved***

Computer Business Technology-City, PID 2261: Fall 2011

**Associate in Science** – Legal Administrative Assistant

**\*Computer Business Technology**

**Program Revision- *Approved***

Computer Business Technology-City, PID 2260: Fall 2011

**Certificate of Achievement** – Legal Administrative Assistant

**\*Diesel Technology**

**New Program- *Approved***

Diesel Technology-Miramar, PID 2264: Fall 2011

**Certificate of Performance** – Heavy Equipment Powertrains

**\*Sociology**

**Program Revision- *Approved***

Sociology-Mesa, PID 2290: Fall 2011

**Associate in Arts** – Sociology