

**Curriculum Instructional Council
Actions Approved – April 23, 2020**

Subject: Accounting (ACCT)

<p>*~ 290 Independent Study</p> <p align="right">48 - 162 hours other, 1-3 units Pass/No Pass</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Obtain Permission Number from Instructor. This course is for students who wish to conduct additional research, a special project, or learning activities in a specific discipline/subject area and is not intended to replace an existing course in the discipline. In this course students will have a written contract with their instructor for activities such as: preparing problem analysis, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.</p> <p>FIELD TRIP REQUIREMENTS: Not required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Deactivation (Not at any College) Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Art-Graphic Design (ARTG) Discipline: Graphic Arts

<p>~ 106 Typography</p> <p align="right">24 - 27 hours lecture, 72 - 81 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Art-Graphic Design 265A. This beginning course covers the selection, styles, terminology, classifications, spacing, layout, and history of typography. Emphasis is placed on problem solving skills and analyzing concepts to solve typographic problems. Traditional hand rendering skills and computer software are used to develop effective typographic design. This course is intended for students majoring in graphic design and anyone interested in typography.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City, Miramar</p> <p>Action(s) Proposed: Course Deactivation *(Active at another College)* Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – April 23, 2020**

Subject: Construction Electronic Systems Technician (CEST)

<p>*~ 301A Introduction to Construction Electronic Systems Technician I 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> English 48, English 49, and Mathematic 46, each with a grade of "C" or better, or equivalent or Milestone R50 and W50. <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course provides the Construction Electronic Systems Technician apprentice with instruction in general construction site safety, measurements and formulas, use of hand and power tools, interpretation of blueprints, basic rigging techniques and methods used to move equipment and materials.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College)</p> <p>Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Subject: Construction Electronic Systems Technician (CEST)

<p>*~ 301B Introduction to Construction Electronic Systems Technician II 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course provides the Construction Electronic Systems Technician apprentice with instruction in industry standards, and building codes, residential and commercial construction methods, basic electrical theory, electrical meters, OSHA safety standards, and ladders and rigging.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College)</p> <p>Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Subject: Construction Electronic Systems Technician (CEST)

<p>*~ 302A Intermediate Construction Electronic Systems Technician I 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course provides the Construction Electronic Systems Technician with instruction in mathematics related to the trade and electronic theory. Also includes electronic measurement tools and techniques, Alternating Current (AC) and Direct Current (DC) electrical systems and grounding, and blueprint reading related to the trade.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College)</p> <p>Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – April 23, 2020**

Subject: Construction Electronic Systems Technician (CEST)

<p>*~ 302B Intermediate Construction Electronic Systems Technician II 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course provides the Construction Electronic Systems Technician with instruction in types of cabling, switches and relays, terminating conductors, low-voltage codes and standards, and computer cabling applications.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College) Approved</p> <p>Proposed for College(s):City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Subject: Construction Electronic Systems Technician (CEST)

<p>*~ 303A Advanced Construction Electronic Systems Technician I 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course provides the Construction Electronic Systems Technician with instruction in wire and cable selection, advanced buses and networks, fiber optic installation, cable and satellite television systems, and wireless communications.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College) Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Subject: Construction Electronic Systems Technician (CEST)

<p>*~ 303B Advanced Construction Electronic Systems Technician II 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Apprenticeship - Student must be a state registered apprentice in this trade. This course provides the Construction Electronic Systems Technician with instruction in site survey, job planning and documentation, maintenance and repair, supervision, and fire and security alarm systems.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College) Approved</p> <p>Proposed for College(s):City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Curriculum Instructional Council
Actions Approved – April 23, 2020

Subject: Electrical (ELEC)

<p>*~ 160A Introduction to Electrical Construction I 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Electrical 60A or Electrical 301A. This course provides the electrical worker with instruction in general construction site safety, measurements and formulas, use of hand and power tools, interpretation of blueprints, basic rigging techniques and methods used to move equipment and materials.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College) Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Subject: Electrical (ELEC)

<p>*~ 160B Introduction to Electrical Construction II 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Electrical 160A or Electrical 301A, 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 Electrical 60B or Electrical 301B. This course provides the electrical student with instruction in basic principles of electrical safety and hazard procedures, including working with toxics and vapors. Students are also provided with instruction in techniques used to hand bend conduits and install anchors and supports. Additional instruction included an introduction to basic electrical theory and test equipment, the use of National Electric Code (NEC) boxes, fittings and conductors, and the interpretation of related electrical blueprints and commercial/industrial/residential symbols, diagrams and schematics used for wiring.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College) Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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**Curriculum Instructional Council
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Subject: Electrical (ELEC)

<p>*~ 165A Intermediate Electrical Construction I 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Electrical 160B or Electrical 301B 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 Electrical 65A or Electrical 302A. This course is an intermediate study of electrical techniques. Topics include the principles of alternating currents, the characteristics of circuits, transformers, motor theory applications, grounding purposes and methods, National Electrical Code (NEC) requirements for conduit bending, types of bends, specifications for boxes and fittings, and location considerations.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College)</p> <p>Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Subject: Electrical (ELEC)

<p>*~ 165B Intermediate Electrical Construction II 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Electrical 165A or Electrical 302A, 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 Electrical 65B or Electrical 302B. This course covers the installation of connections for conductor termination and splices; use of cable pulling instruments and National Electrical Manufacturers Association (NEMA) and National Electrical Code (NEC) standards for cable tray; installation of electrical service and related components and equipment; use of material take-off methods and troubleshooting techniques; identification of ratings for current breakers and fuses and regulations for sizing use, and installation of relay switches, conductors and overrides; electrical lighting principles, types and applications.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College)</p> <p>Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Curriculum Instructional Council
Actions Approved – April 23, 2020

Subject: Electrical (ELEC)

<p>*~ 170A Advanced Electrical Construction I 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Electrical 165B or Electrical 302B, 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 Building Construction Technology 212, Electrical 303A, or Electrical 70A. This course is an advanced study of electrical techniques. Topics include branch load calculations for circuits and varied electrical appliances, electrical conductors, devices used for overprotection of loads, currents, circuits and fuses, fill requirements for boxes/raceways, principles of wiring devices, switches and receptacles, requirements for distribution equipment, settings for voltage, switch gear, circuits and components, distribution system transformers, National Electrical Code (NEC) requirements, and troubleshooting. This course is designed for students in the Electrical program.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College) Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Subject: Electrical (ELEC)

<p>*~ 170B Advanced Electrical Construction II 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Electrical 170A or Electrical 303A, 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 Building Construction Technology 213, Electrical 303B or Electrical 70B. This course provides the electrical worker with instruction in basic lighting and National Electrical Code (NEC) requirements for indoor and outdoor lighting. Topics include introductory motor basics, including calculations, transformers, instruments for testing, wiring, protection, maintenance, and troubleshooting for various types of motors and motor controls. This course also covers an introduction to heating, ventilation, and air conditioning (HVAC) systems and refrigeration theory, including compressors, operating systems and system maintenance equipment, and safety requirements. The principles of combustion, hazardous materials, their reactions in varied locations, and the use of safety equipment is also included in this course.</p> <p>FIELD TRIP REQUIREMENTS: Required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College) Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Curriculum Instructional Council
Actions Approved – April 23, 2020

Subject: Electrical (ELEC)

<p>*~ 175A Electrical Construction Specialties I 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Electrical 170B or Electrical 303B, 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 Building Construction Technology 222 or Electrical 304A or Electrical 75A. This course provides the electrical worker with instruction in calculations for wiring commercial and residential dwellings and National Electrical Code (NEC) requirements for lighting and specialty fixtures. Topics include the standby emergency electrical systems and system applications, disconnect switches, feeder and branch circuits for direct current (DC) systems, theory and operating principles for solid-state devices, operational amplifier circuits, transformers and components of fire alarm and security systems, and installation methods for smoke and heat detectors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College) Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Subject: Electrical (ELEC)

<p>*~ 175B Electrical Construction Specialties II 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Electrical 175A or Electrical 304A, 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 Building Construction Technology 223, Electrical 304B or Electrical 75B. This course is designed to provide the electrical worker with advanced instruction in controls for motors, starters, relays, switches and transformers as well as in the installation and connection of gas burner controls and commercial and industrial Heating Ventilation and Air Conditioning (HVAC) control systems. Topics also include National Electrical Code (NEC) and Occupational Safety and Health Administration (OSHA) requirements for connecting and grounding varied welding machines, installation and protection of heat-tracing and freeze protection equipment, principles and maintenance of motors, and selection of materials and tools required for high voltage termination/splices according to manufacturer's specifications.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College) Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation
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**Curriculum Instructional Council
Actions Approved – April 23, 2020**

Subject: Electrical (ELEC)

<p>*~ 301A Introduction to Electrical Apprenticeship I 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <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 Electrical 60A or Electrical 160A. This course provides the electrical apprentice with instruction in general construction site safety, measurements and formulas, use of hand and power tools, interpretation of blueprints, basic rigging techniques and methods used to move equipment and materials.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College)</p> <p>Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Subject: Electrical (ELEC)

<p>*~ 301B Introduction to Electrical Apprenticeship II 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Electrical 301A or Electrical 160A, each 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 course is not open to students with previous credit for Electrical 60B or Electrical 160B. This course provides the electrical student with instruction in basic principles of electrical safety and hazard procedures, including working with toxics and vapors. Students are also provided with instruction in techniques used to hand bend conduits and install anchors and supports. Additional instruction included an introduction to basic electrical theory and test equipment, the use of National Electric Code (NEC) boxes, fittings and conductors, and the interpretation of related electrical blueprints and commercial/industrial/residential symbols, diagrams and schematics used for wiring.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College)</p> <p>Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Curriculum Instructional Council
Actions Approved – April 23, 2020

Subject: Electrical (ELEC)

<p>*~ 302A Intermediate Electrical Apprenticeship I 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Electrical 301B or Electrical 160B, each 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 course is not open to students with previous credit for Electrical 65A or Electrical 165A. This course is an intermediate study of electrical techniques for Electrical Apprentices. Topics include the principles of alternating currents, the characteristics of circuits, transformers, motor theory applications, grounding purposes and methods, National Electrical Code (NEC) requirements for conduit bending, types of bends, specifications for boxes and fittings, and location considerations.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College)</p> <p>Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Subject: Electrical (ELEC)

<p>*~ 302B Intermediate Electrical Apprenticeship II 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Electrical 302A or Electrical 165A, each 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 course is not open to students with previous credit for Electrical 065B or Electrical 165B. This course provides the electrical apprentice with study and practice in the installation of connections for conductor termination and splices. Topics include the use of cable pulling instruments, National Electrical Manufacturers Association (NEMA) and National Electrical Code (NEC) standards for cable trays, installation of electrical service, components and equipment, the use of manual take-off methods and troubleshooting techniques, identification of ratings for current breakers and fuses, regulations for sizing, use, and installation of relay switches, conductors and overrides, and electrical lighting principles, types and applications.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College)</p> <p>Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Curriculum Instructional Council Actions Approved – April 23, 2020

Subject: Electrical (ELEC)

<p>*~ 303A Advanced Electrical Apprenticeship I 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Electrical 302B or Electrical 165B, each 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 course is not open to students with previous credit for Building Construction Technology 212, Electrical 70A or Electrical 170A. This course is an advanced study of electrical techniques. Topics include branch load calculations for circuits and varied electrical appliances, electrical conductors, devices used for overprotection of loads, currents, circuits and fuses, fill requirements for boxes/raceways, principles of wiring devices, switches and receptacles, requirements for distribution equipment, settings for voltage, switch gear, circuits and components, distribution system transformers, National Electrical Code (NEC) requirements, and troubleshooting. This course is designed for students in the Electrical Apprenticeship program.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College) Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Subject: Electrical (ELEC)

<p>*~ 303B Advanced Electrical Apprenticeship II 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Electrical 303A or Electrical 170A, each 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 course is not open to students with previous credit for Building Construction Technology 213, Electrical 70B or Electrical 170B. This course provides the electrical worker with instruction in basic lighting and National Electrical Code (NEC) requirements for indoor and outdoor lighting. Topics include introductory motor basics, including calculations, transformers, instruments for testing, wiring, protection, maintenance, and troubleshooting for various types of motors and motor controls. This course also covers an introduction to heating, ventilation, and air conditioning (HVAC) systems and refrigeration theory, including compressors, operating systems and system maintenance equipment, and safety requirements. The principles of combustion, hazardous materials, their reactions in varied locations, and the use of safety equipment is also included in this course.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College) Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Curriculum Instructional Council Actions Approved – April 23, 2020

Subject: Electrical (ELEC)

<p>*~ 304A Electrical Apprenticeship Specialties I 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Electrical 303B or Electrical 170B 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 course is not open to students with previous credit for Building Construction Technology 222, Electrical 75A or Electrical 175A. This course provides the electrical apprentice with instruction in calculations for wiring commercial and residential dwellings and National Electrical Code (NEC) requirements for lighting and specialty fixtures. Topics include the standby emergency electrical systems and system applications, disconnect switches, feeder and branch circuits for direct current (DC) systems, theory and operating principles for solid-state devices, operational amplifier circuits, transformers and components of fire alarm and security systems, and installation methods for smoke and heat detectors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College) Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Subject: Electrical (ELEC)

<p>*~ 304B Electrical Apprenticeship Specialties II 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Electrical 304A or Electrical 175A, each 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 course is not open to students with previous credit for Building Construction Technology 223, Electrical 75B, or Electrical 175B. This course is designed to provide the electrical apprentice with advanced instruction in controls for motors, starters, relays, switches and transformers as well as in the installation and connection of gas burner controls and commercial and industrial Heating Ventilation and Air Conditioning (HVAC) control systems. Topics also include National Electrical Code (NEC) and Occupational Safety and Health Administration (OSHA) requirements for connecting and grounding varied welding machines, installation and protection of heat-tracing and freeze protection equipment, principles and maintenance of motors, and selection of materials and tools required for high voltage termination/splices according to manufacturer's specifications.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s): Course Deactivation (Not at any College) Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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**Curriculum Instructional Council
Actions Approved – April 23, 2020**

Subject: Graphics (GRFX) Discipline: Commercial Art

<p>*~ 110 Introduction to Producing Computer-aided Graphics 24 - 27 hours lecture, 72 - 81 hours lab, 3 units Grade Only</p> <p>This course is an introduction to the techniques and workflows used to create print and screen graphics for publication, promotion, web, mobile app, sign and display, packaging, imprinted goods, and business communications using Adobe® Creative Cloud® and Apple® software. Emphasis is placed on the applied trade skills needed by graphic designers. This course is intended for students majoring in graphic production or anyone seeking graphic production capabilities to enhance career readiness.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: NONE</p> <p>Action(s) Proposed: New Course Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2021</p>
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Subject: Graphics (GRFX) Discipline: Commercial Art

<p>*~ 120 Typography - Introduction to Creating Readability 24 - 27 hours lecture, 72 - 81 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Graphics 110 with a grade of "C" or better, or equivalent. This introductory course provides hands-on skill-building practice in developing typographical products using current software and workflows. The course builds from single letterforms (as simple graphics) to words (studying positive/negative space balance), to paragraphs (organizing a narrative in hierarchies), to page composition (creating an effective reading experience). Typography is applied to common uses in commerce and culture. This course is intended for students majoring in graphic production or anyone seeking graphic production capabilities to enhance career readiness.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: NONE</p> <p>Action(s) Proposed: New Course Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – April 23, 2020**

Subject: Graphics (GRFX) Discipline: Commercial Art

<p>160 Vector Art 01: Illustration 24 - 27 hours lecture, 72 - 81 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Graphics 110 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 Art-Digital Media 160 or the combination of Art-Digital Media 160A and Art-Digital Media 160B.</p> <p>This course develops the linked skills of visualizing images as systems of shapes and the computerized techniques for creating those shapes. Students use Adobe Creative Cloud Illustrator® to create typography, information graphics, text illustration, symbols, logos, and other computer-aided graphics. Students also repurpose vector graphics for a variety of practical applications and train in efficient creation and manipulation of Bézier objects. The course emphasizes the use of pointer and keyboard-driven techniques to build images with the unique capabilities of vector graphics for pattern, precision, and relationships. This course, in combination with instruction in Raster Art, provides a comprehensive overview of computer imaging technology. It is intended for students majoring in Graphics or anyone interested in the field of graphics.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Prerequisite (Change)</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2021</p>
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Subject: Graphics (GRFX) Discipline: Commercial Art

<p>170 Raster Art 01: Image Editing 24 - 27 hours lecture, 72 - 81 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Graphics 110 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 Art-Digital Media 170 or the combination of Art-Digital Media 170A and Art-Digital Media 170B.</p> <p>This course introduces students to the production processes for creating and editing raster graphics, primarily using Adobe Creative Cloud Photoshop®. Students learn the computer program; eye-hand skills; workflows; and application of computer graphics tools used to edit and repurpose images for various screen and print jobs in promotional and informational publications, web applications, sign and display, packaging, imprinted goods, and business communications. This course, in combination with instruction in Vector Art, provides a comprehensive overview of computer imaging technology. It is intended for students majoring in Graphics or those seeking a foundation in digital photographic editing.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Prerequisite (Change)</i></p> <p>Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2021</p>
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**Curriculum Instructional Council
Actions Approved – April 23, 2020**

Subject: Graphics (GRFX) Discipline: Graphic Arts

<p>~ 181 Projects 01: Multi-modal Productions 24 - 27 hours lecture, 72 - 81 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Graphics 110 with a grade of "C" or better, or equivalent. <i>Advisory:</i> Graphics 120 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 Art-Digital Media 181. This course teaches students to design and execute systematic graphics projects based on research, according to a schedule, and guided by an approval process. Students use a full range of graphics techniques to communicate a shared vision to a certain audience for a determined result. The course emphasizes self-discipline in time management and project coordination. Individualized, hands-on training is provided by experienced professionals on the Adobe® Creative Cloud programs (Photoshop®, Illustrator®, InDesign®, and Acrobat DC®) in class and during optional open studio hours with current computer systems and color printers for job-ready portfolios. This course is intended for students majoring in Graphics or anyone creating or managing graphics-intensive projects.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (Change)</i> <i>Prerequisite (Change)</i> <i>Stand Alone Status</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2021</p>
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Subject: Graphics (GRFX) Discipline: Commercial Art

<p>*~ 270 Graphics Internship / Work Experience 60 – 300 hours other, 1-4 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Obtain Permission Number from Instructor. This course provides on-the-job learning experiences for students employed in a graphics-related job or internship. Students develop workplace competencies, critical thinking skills, and problem solving abilities through the creation and achievement of job-related behavioral learning objectives. One unit of credit may be earned for each 75 hours of paid employment or 60 hours of volunteer work. This course may be taken up to four times. However, the combined maximum credit for all Work Experience courses from all subject areas may not exceed 16 units. This course is intended for all students whose career path involves the creation, production, use, or interpretation of images and text documents, screen images, or other graphic products.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: NONE</p> <p>Action(s) Proposed: New Course Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

Approved

**Curriculum Instructional Council
Actions Approved – April 23, 2020**

Subject: Philosophy (PHIL) Discipline: Philosophy

<p>125 Philosophy of Women</p> <p style="text-align: right;">48 - 54 hours lecture, 3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Advisory:</i> English 101 or English 105, each with a grade of "C" or better, or equivalent. This course is an introduction to the issues and problems exemplified in the process of meaningful philosophical activity related to philosophy of women. Students in this course survey representative theories and philosophical reflections related to philosophy of women such as concepts of womanhood and feminism as they have found expression in mythic, classic, medieval and major modern philosophical traditions. Students are encouraged to engage in independent research, analysis and formulation. The course is intended for students pursuing women's studies and/or political, behavioral or social sciences, and anyone interested in philosophy of women.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. IGETC. UC Transfer Course List. CSU General Education.</p>	<p>Offered At: City, Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Outline of Topics</i> <i>Reading Assignments</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): City, Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Spring 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

Approved

Curriculum Instructional Council Actions Approved – April 23, 2020

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.)

*Apprenticeship

Program Deactivation- *Approved*

Construction Electronic Systems Technician- City, PID 3910: Effective Fall 2021

Construction Electronic Systems Technician Apprenticeship Associate of Science

*Apprenticeship

Program Deactivation- *Approved*

Construction Electronic Systems Technician- City, PID 3909: Effective Fall 2021

Construction Electronic Systems Technician Apprenticeship Certificate of Achievement

*Apprenticeship

Program Deactivation- *Approved*

Electrical- City, PID 3905: Effective Fall 2021

Electrical Apprenticeship Certificate of Achievement

*Apprenticeship

Program Deactivation- *Approved*

Electrical- City, PID 3906: Effective Fall 2021

Electrical Apprenticeship Associate of Science

*Art/Visual Studies

Program Revision- *Approved*

Art-Fine Art- Miramar, PID 4085: Effective Fall 2021

Art/Visual Studies Associate of Arts

*Art/Visual Studies

Program Revision- *Approved*

Art-Fine Art- Miramar, PID 4086: Effective Fall 2021

Combined Drawing/Painting Associate of Arts

*Art/Visual Studies

Program Revision- *Approved*

Art-Fine Art- Miramar, PID 4090: Effective Fall 2021

Craft Skills Certificate of Performance

*Aviation Operations

Program Revision- *Approved*

Aviation- Miramar, PID 4078: Effective Fall 2021

Aviation Operations Management Certificate of Achievement

*Aviation Operations

Program Revision- *Approved*

Aviation- Miramar, PID 4077: Effective Fall 2021

Aviation Business Administration Associate of Science

*Behavioral Sciences

Program Revision- *Approved*

Anthropology- City, PID 4116: Effective Fall 2021

Anthropology Associate of Arts

*Requires Board of Trustees approval prior to implementation

~Course requires CCCCCO submission

Approved

**Curriculum Instructional Council
Actions Approved – April 23, 2020**

*Computer Information Systems

New Program- *Approved*

Computer and Information Sciences- City, PID 3901: Effective Fall 2021

Web Application Development Certificate of Performance

*Construction Trades

Program Deactivation- *Approved*

Electrical- City, PID 3911: Effective Fall 2021

Electrical Trade Option (Non-apprentice) Associate of Science

*Construction Trades

Program Deactivation- *Approved*

Electrical- City, PID 3907: Effective Fall 2021

Electrical Trade Option (Non-apprentice) Certificate of Achievement

*Graphics

Program Revision- *Approved*

Graphics- Miramar- PID 4055: Effective Fall 2021

Graphics-Visual Production Certificate of Performance

*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission