

**Curriculum Instructional Council
Actions Approved –February 25, 2021**

Subject: Chemistry (CHEM)

<p>~ 296 Individualized Instruction in Chemistry 24 - 108 hours other, 0.5-2 units Pass/No Pass</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Concurrent enrollment in an approved course of the same discipline is required. The instructor of the related course will supply Add Code to the student, which permits registration in the course. This course provides supplemental instruction to reinforce achievement of the learning objectives of a course in the same discipline under the supervision of the instructor of the designated course. Learning activities may employ a variety of self-paced multimedia learning systems, language labs, print and electronic resources, laboratory, or field research arrangements, to assist student in reaching specific learning objectives. This open entry/open exit course is offered concurrently with designated courses.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Miramar, City</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 2022</p>
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Subject: Computer And Information Sciences (CISC) Discipline: Computer Science

<p>~ 71 Microcontroller Programming 48 - 54 hours lecture, 48 - 54 hours lab, 4 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> English 47A or English 48, and English 49, each with a grade of "C" or better, or equivalent or Milestone R50 and W50. This course introduces students to programming and interfacing microcontrollers to the world around them. Topics include programming a microcontroller to respond to inputs and to control various devices, such as light emitting diodes (LEDs), fans, servos, and relays. This course is designed for students who want to increase their understanding of microcontrollers and embedded programming.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: Mesa, 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 2022</p>
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*Requires Board of Trustees approval prior to implementation

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**Curriculum Instructional Council
Actions Approved –February 25, 2021**

Subject: Economics (ECON)

<p>~ 296 Individualized Instruction in Economics</p> <p align="right">24 - 108 hours other, 0.5-2 units Pass/No Pass</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Concurrent enrollment in an approved course of the same discipline is required. The instructor of the related course will supply Add Code to the student, which permits registration in the course. This course provides supplemental instruction to reinforce achievement of the learning objectives of a course in the same discipline under the supervision of the instructor of the designated course. Learning activities may employ a variety of self-paced multimedia learning systems, language labs, print and electronic resources, laboratory, or field research arrangements, to assist student in reaching specific learning objectives. This open entry/open exit course is offered concurrently with designated courses.</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 2022</p>
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Subject: English (ENGL)

<p>~ 296 Individualized Instruction in English</p> <p align="right">24 - 108 hours other, 0.5-2 units Pass/No Pass</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Concurrent enrollment in an approved course of the same discipline is required. The instructor of the related course will supply Add Code to the student, which permits registration in the course. This course provides supplemental instruction to reinforce achievement of the learning objectives of a course in the same discipline under the supervision of the instructor of the designated course. Learning activities may employ a variety of self-paced multimedia learning systems, language labs, print and electronic resources, laboratory, or field research arrangements, to assist student in reaching specific learning objectives. This open entry/open exit course is offered concurrently with designated courses.</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 2022</p>
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**Curriculum Instructional Council
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Subject: Fermentation (FERM) Discipline: Culinary Arts/Food Technology

<p>120 Fundamentals of Spirits</p> <p align="right">32 - 36 hours lecture, 2 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Fermentation 101 with a grade of "C" or better, or equivalent.</i> <i>Advisory: Hospitality 102 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment:</i> Following state licensing regulations for tasting, students enrolled in the course must be 18 years or older. This course looks at the process of distilling multiple spirits and gives insights on how distilling has progressed throughout history. It is a taste of what is to come for the beginner distiller. This course is designed for students in the Fermentation Science program.</p> <p>FIELD TRIP REQUIREMENTS: Required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Supplies</i> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Spring 2022</p>
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Subject: Fermentation (FERM) Discipline: Culinary Arts/Food Technology

<p>130 Flavor and Form</p> <p align="right">32 - 36 hours lecture, 2 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Fermentation 101 with a grade of "C" or better, or equivalent.</i> <i>Advisory: Hospitality 102 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment:</i> Following state licensing regulations for tasting, students enrolled in the course must be 18 years or older. This course is an examination of the history, community and business of beer, wine and spirits in hospitality management, from its international beverage markets to the small craft distributors. Comprehension of styles, regions, processes and food pairings are explored through weekly tastings and sensory applications of the principles of beverage making. An examination of the economic impact of beverage on the hospitality industry is also included. This course is designed for students enrolled in the Fermentation Management program.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Supplies</i> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Spring 2022</p>
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**Curriculum Instructional Council
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Subject: Fire Protection Technology (FIPT) Discipline: Fire Technology

<p>*~ 327A Fire Investigation 1A: Fire Origin and Cause Determination 32 - 40 hours lab, 0.5 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> English 47A, or English 48, and English 49, each with a grade of "C" or better, or equivalent or Milestone R50 and W50. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Fire Technology 224, Fire Protection Technology 203A or FIPT Fire Protection Technology 224. This course introduces students to arson investigation. Topics include the causes of fires; recognizing and preserving evidence; interviewing witnesses and suspects; and giving court testimony. This course is part of the California State Fire Academy curriculum and satisfies the National Fire Protection Association standards for Fire Officer I.</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 Deactivation (Not at any College) Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2022</p>
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Subject: Fire Protection Technology (FIPT) Discipline: Fire Technology

<p>*~ 327B Fire Investigation 1B: Techniques of Fire Investigation 32 - 40 hours lab, 0.5 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> English 47A, or English 48, and English 49, each with a grade of "C" or better, or equivalent or Milestone R50 and W50. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Fire Technology 244, Fire Protection Technology 203B or Fire Protection Technology 244. This course expands upon the fire investigation concepts introduced in Fire Investigation 1A. Topics include investigative report writing; interviewing and interrogation techniques; evidence collection and preservation procedures; and flame spread characteristics within buildings. This course is part of the California State Fire Academy curriculum and satisfies the National Fire Protection Association standards for Fire Officer I.</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 Deactivation (Not at any College) Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2022</p>
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*Requires Board of Trustees approval prior to implementation
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**Curriculum Instructional Council
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Subject: Humanities (HUMA)

<p>~ 296 Individualized Instruction in Humanities</p> <p align="right">24 - 108 hours other, 0.5-2 units Pass/No Pass</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Concurrent enrollment in an approved course of the same discipline is required. The instructor of the related course will supply Add Code to the student, which permits registration in the course. This course provides supplemental instruction to reinforce achievement of the learning objectives of a course in the same discipline under the supervision of the instructor of the designated course. Learning activities may employ a variety of self-paced multimedia learning systems, language labs, print and electronic resources, laboratory, or field research arrangements, to assist student in reaching specific learning objectives. This open entry/open exit course is offered concurrently with designated courses.</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 2022</p>
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Subject: Mathematics (MATH)

<p>~ 296 Individual Instruction in Mathematics</p> <p align="right">units Pass/No Pass</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Enrollment in an approved related course. Obtain Permission Number from Instructor. This course employs self-paced multimedia systems to assist students to reach specific learning objectives and is intended to be supplementary to designated courses.</p> <p>FIELD TRIP REQUIREMENTS: Not required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. CSU General Education.</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 2022</p>
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*Requires Board of Trustees approval prior to implementation
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**Curriculum Instructional Council
Actions Approved –February 25, 2021**

Subject: Medical Assisting (MEDA) Discipline: Health Care Ancillaries

<p>86 Administrative Medical Assisting II 24 - 27 hours lecture, 24 - 27 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Medical Assisting 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 Medical Assisting 205 or Medical Assisting 240 and Medical Assisting 245. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course introduces and instructs Allied Health students in the use of accounting systems for medical and dental offices (including the pegboard and computerized accounting systems) and health insurance procedures. Emphasis is placed on medical accounting terminology, ledgers, methods used in payroll accounting, preparation of account charts and correct completion of benefit and claim forms. This course also prepares students to work with insurance forms in medical offices, hospitals and other clinical settings and in the proper use of procedural and diagnostic coding utilizing the most current editions of Physicians Current Procedural Terminology and International Classification of Diseases.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Spring 2022</p>
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Subject: Medical Assisting (MEDA) Discipline: Health Care Ancillaries

<p>~ 115 Pathophysiology 48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES <i>Prerequisite:</i> Medical Assisting 55, Medical Assisting 110 or Biology 160, each with a grade of "C" or better, or equivalent. The course focuses on disease processes in the human body from a systems approach. Analysis of the most common and significant diseases is included. The signs and symptoms, etiology, diagnosis, and treatment of disease are examined along with the appropriate medical terminology. This course is designed for students in allied health programs, but is also open to those who wish to broaden their medical background or review this information.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Activation (Currently active at another college)</p> <p>Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Dist. Ed Proposed For College(s): City (Fully Online)</p> <p>Effective: Spring 2022</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCCCO submission

**Curriculum Instructional Council
Actions Approved –February 25, 2021**

Subject: Nutrition (NUTR) Discipline: Nutritional Science/Dietetics

<p>270 Work Experience</p> <p align="right">60 - 300 hours other, 1-4 units Grade Only</p> <p>A program of on-the-job learning experiences for students employed in a job related to nutrition. The combined maximum credit for all work experience courses from all disciplines may not exceed 16 units.</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 Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2022</p>
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Subject: Philosophy (PHIL)

<p>~ 296 Individualized Instruction in Philosophy</p> <p align="right">24 - 108 hours other, 0.5-2 units Pass/No Pass</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Concurrent enrollment in an approved course of the same discipline is required. The instructor of the related course will supply Add Code to the student, which permits registration in the course. This course provides supplemental instruction to reinforce achievement of the learning objectives of a course in the same discipline under the supervision of the instructor of the designated course. Learning activities may employ a variety of self-paced multimedia learning systems, language labs, print and electronic resources, laboratory, or field research arrangements, to assist student in reaching specific learning objectives. This open entry/open exit course is offered concurrently with designated courses.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Miramar, City</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 2022</p>
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*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved –February 25, 2021**

Subject: Physical Science (PHYN)

<p>~ 296 Individualized Instruction in Physical Science 24 - 108 hours other, 0.5-2 units Pass/No Pass</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Concurrent enrollment in an approved course of the same discipline is required. The instructor of the related course will supply Add Code to the student, which permits registration in the course. This course provides supplemental instruction to reinforce achievement of the learning objectives of a course in the same discipline under the supervision of the instructor of the designated course. Learning activities may employ a variety of self-paced multimedia learning systems, language labs, print and electronic resources, laboratory, or field research arrangements, to assist student in reaching specific learning objectives. This open entry/open exit course is offered concurrently with designated courses.</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)*</p> <p>Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2022</p>
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Subject: Sociology (SOCO) Discipline: Sociology

<p>270 Work Experience 60 - 300 hours other, 1-4 units Letter Grade or Pass/No Pass Option</p> <p>A program of on-the-job learning experiences for students employed in a job related to the field of Sociology. See Work Experience section for further information. The combined maximum credit for all work experience courses from all disciplines may not exceed 16 units.</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 Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Methods of Evaluation</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2022</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

Approved

**Curriculum Instructional Council
Actions Approved –February 25, 2021**

Subject: Spanish (SPAN)

<p>~ 296 Individualized Instruction in Spanish</p> <p style="text-align: right;">24 - 108 hours other, 0.5-2 units Pass/No Pass</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Concurrent enrollment in an approved course of the same discipline is required. The instructor of the related course will supply Add Code to the student, which permits registration in the course. This is a supplementary course designed to reinforce student achievement of the learning objectives and is offered concurrently with a designated Spanish course. Learning activities may employ a variety of self-paced multimedia systems or laboratory or field research arrangements to assist students in reaching the specific learning objectives in the concurrent Spanish course.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Miramar, City</p> <p>Action(s) Proposed: Course Deactivation *(Active at another College)*</p> <p>Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2022</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.)

*Anthropology

Program Revision- *Approved*

Anthropology- Mesa, PID 4130: Effective Fall 2022

Anthropology Associate of Arts

*Culinary Arts/Culinary Management

New Program- *Approved*

Culinary Arts/Culinary Management- Mesa, PID 4221: Effective Fall 2022

Baking & Pastry Certificate of Achievement