MADERA
COMMUNITY
COLLEGE

2024-2025

CATALOG ADDENDUM

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ADMINISTRATIVE POLICIES

Academic Dishonesty

Students at Madera Community College are entitled to the best education that the college can make available to them, and they, their instructors, and their fellow students share the responsibility to ensure that this education is honestly attained. Because cheating, plagiarism, and collusion in dishonest activities erode the integrity of the college, each student is expected to exert an entirely honest effort in all academic endeavors. Academic dishonesty in any form is a very serious offense and will incur serious consequences.

Cheating

Cheating is the act or attempted act of taking an examination or performing an assigned, evaluated task in a fraudulent or deceptive manner, such as having improper access to answers, in an attempt to gain an unearned academic advantage. Cheating may include, but is not limited to, copying from another's work, presenting generative Artificial Intelligence work as your own or using a generative AI tool without an instructor's permission, supplying one's work to another, giving or receiving copies of examinations without an instructor's permission, using or displaying notes or devices inappropriate to the conditions of the examination, allowing someone other than the officially enrolled student to represent the student, or failing to disclose research results completely.

Plagiarism

Plagiarism is a specific form of cheating, the use of another's words or ideas without identifying them as such or giving credit to the source. Plagiarism may include, but is not limited to, failing to provide complete citations and references for all work that draws on the ideas, words, or work of others, failing to identify the contributors to work done in collaboration, submitting duplicate work to be evaluated in different courses without the knowledge and consent of the instructors involved, or failing to observe computer security systems and software copyrights. Use of commonly available tools such as graphing calculators, spelling or grammar checking software or features of software that propose anticipated words or phrases while text is being written will not be considered unauthorized use of artificially generated content unless such use is contrary to assignment guidelines from the instructor. However, material that is created using generative Artificial intelligence tools (ex. ChatGPT, Claude, Gemini, etc.) is not considered original.

Using generative Artificial intelligence tools to create material without the knowledge and consent of the instructor is considered plagiarism. Incidents of cheating and plagiarism may result in any of a variety of sanctions and penalties, which may include failing grade on the particular examination, paper, project, or assignment in question, at the discretion of the instructor and depending on the severity and frequency of the incidents. Even when instructor guidelines allow for the use of generative AI tools, students may need to disclose and cite all usage of tools such as ChatGPT, Dall-E, etc., specifying the extent and how it is used.

Associate Degree and Certificate Programs

Effective Fall 2024

(Pages from 70 -132 of the 2024-2025 catalog)

BUSINESS

Hospitality Management (M.3002.AS-T)

Associate in Science for Transfer Degree

The Hospitality Management Associate in Science for Transfer (AS-T) degree through Madera Community College will provide students with both the management theories and operational competencies necessary to enter any segment of the industry upon graduation. Students can take a variety of classes including an introduction to hospitality, food and beverage management, food sanitation and safety, cost control, financial accounting and microeconomics, basic food preparation and business law. This program will prepare students for supervisory positions in the industry including but not limited to: Resort Operations and Management, Food Service Operations and Management, Hotel Operations and Management, Gaming Resort Management, Events Management.

Requires:

(1) *Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:*
   a. *The Intersegmental GE Transfer Curriculum (IGETC) or the California State University GE-Breadth Requirements.*
   b. *A minimum of 18 semester or 27 quarter units in a major or area of emphasis, as determined by the community college district.*

(2) *Obtainment of a minimum grade point average of 2.0. Students must earn a "C" (or "P") for each course in the major.*

Program Learning Outcomes:

1. Define and illustrate the range of job opportunities in the hospitality industry
2. Analyze financial, marketing, and operational results and outcomes for hospitality operations.
3. Manage and make informed business decisions within the hospitality industry.
4. Identify career goals in the hospitality industry and effective strategies for achieving them.

Course Name	Units
Required Core	**3**
BA-12 Introduction to Hospitality	3
List A: Select 8-9 units or 3 courses	**8-9**
ECON-1B Principles of Microeconomics	3
OR	
FSM-35 Food Services, Sanitation, Safety and Equipment	2
OR	
HSP-20 Hospitality Cost Control	3
OR	
HSP-30 Introduction to Food and Beverage Management	3
List B: Select 6-7 units or 2 courses from the List Below or Any Courses from List A not already used.	**6-7**

BA-18 Business Law and the Legal Environment	4
OR	
ACCTG-4A Financial Accounting	4
OR	
STAT-7 Elementary Statistics	4
OR	
MATH-11 Elementary Statistics	4
Total Units for the Major	**18-20**
Completion of Madera Community College GE, CSU GE or IGETC	
Degree-applicable electives to reach 60 units total (if needed)	

Total Credits **60**

Advisor(s): J. Cardella

Food and Beverage Management Level 1 (M.3002.CA)

Certificate of Achievement

Designed for current and aspiring hospitality professionals, this interdisciplinary program introduces the framework of Food and Beverage management. Students will explore controls and control systems used for purchasing, ordering, receiving, storing, issuing and production. Additional topics covered include effective oral and written communication, ethical and critical thinking, teamwork, management, and leadership to provide a comprehensive understanding of the requirements this type of manager would need.

Program Learning Outcomes:

1. Develop critical analysis to manage service in food and beverage operation.
2. Define and interpret the basic principles and concepts as they relate to cost control in the hospitality industry.
3. Display proper use of verbal, non-verbal, and written communication.
4. Apply critical reading and thinking strategies to analyze and evaluate college-level material from various sources.
5. Apply spreadsheet formatting features to create and edit multiple worksheets and workbook documents.
6. Identify methods for preventing food contamination through cleaning and sanitation, preventing cross-contamination, general housekeeping, and maintenance.

Program Requirements:

Course Name	**Units**
BA-15 Introduction to Management	**3**
AND	
HSP-20 Hospitality Cost Control	**3**
AND	
HSP-30 Introduction to Food and Beverage Management	**3**
AND	
BA-5 Business Communications	**3**
AND	
ENGL-1A Reading and Composition	**4**
AND	
IS-18 Spreadsheet Fundamentals	**1.5**

AND	
FSM-35 Food Services, Sanitation, Safety & Equipment	**2**

Total Credits **19.5**

FOOD AND BEVERAGE MANAGEMENT LEVEL 2 (M.3003.CA)

Certificate of Achievement

This program explores the procedures and techniques to develop industry specific business skills within the hospitality industry. The program emphasizes key elements of management including financial, marketing, computer literacy, human resources, and small business operations. The program provides an in-depth examination of the essential skills needed to be a successful Food and Beverage manager within the hospitality industry.

Program Learning Obejctives:

1. Apply effective information technology skills to perform practical business functions that include word processing, spreadsheet, presentation, and database management applications.
2. Identify the steps in the communication process, identify barriers to communication, and identify techniques to overcome those barriers.
3. Conduct research using traditional (as well as technology-based) research tools and recognize the difference between primary and secondary research.
4. Identify the behavior of individual firms in the short and long run relative to optimizing their objectives
5. Solve revenue, break-even analyses, and cost computational problems by reading, interpreting, and analyzing financial statements or by developing pro-forma financial statements.
6. Compare and analyze work environments related to career goal decisions.

Program Requirements:

Course Name	Units
FSM-15 Food Production Management	2
AND	
IS-15 Computer Concepts	3
AND	
BA-33 Human Relations in Business	3
AND	
MKTG-10 Marketing	3
AND	
ECON-1B Microeconomics	3
AND	
BA-38 Operations of Small Business	3

Total Credits 17

MANUFACTURING TECHNOLOGY

Drafting (M.8393.CA)

Certificate of Achievement

After completing course work for Drafting, students will be able to work safely in a CAD/CAM and mechanical drafting environment. In addition, students will learn skills in mechanical drafting and with CAD programs, CAM programs and 3D printing equipment. 2D and 3D drawing creations along with modeling and parametric drawings will allow students to perform basic drafting tasks related to drawings required for entry level employment in the mechanical and computerized drafting occupations.

Program Learning Outcomes:

1. Demonstrate shop safety
2. Interpret blueprints and shop drawings
3. Demonstrate creation of drawing with 2D CAD and 3D CAD/CAM application

Program Requirements:

Course Name	Units
MFGT-21 Blueprint Reading	2
AND	
MFGT-73 Manufacturing Certification Prep	2
AND	
MFGT-74 2D CAD/CAM	4
AND	
MFGT-75 3D CAD/CAM	4
Total Credits	**12**

Advisor(s): E. Hanson

MUSIC

Music (M.5812.AA-T)

Associate in Arts for Transfer Degree

The Associate of Arts in Music for Transfer degree is intended for students who plan to complete a Bachelor's degree in music studies at a CSU campus. Students completing the transfer degree are guaranteed admission to the CSU system, but not a particular campus or major. Potential career opportunities in music can include:

- Performer
- Public School Music teacher
- Private Lessons Instructor
- Church Musician
- Music Store Owner
- Music Publisher
- Recording Technician
- Music Business
- Music Therapist

Requires:

- *Completion of 60 semester units or 90 quarter units of degree-applicable courses,*
- *Minimum overall grade point average of 2.0,*
- *Minimum grade of "C" (or "P") for each course in the major, and*
- *Completed of IGETC and/or CSU GE-Breadth..*

Program Learning Outcomes:

1. Audiate, analyze, read, and write music.
2. Perform music of at least three different time periods.
3. Perform in solo and ensemble settings.

Course Name	**Units**
Required Music Core Classes:	**13**
MUS-1A Music Theory I	3
AND	
MUS-1B Music Theory II	3
AND	
MUS-2A Music Theory III	3
AND	
MUS-7A Ear Training: Level I	1
AND	
MUS-7B Ear Training: Level II	1
AND	
MUS-7C Ear Training: Level III	1
Applied Music: Select a Combination of at Least 4 Units **(each course may be repeated up to 4 units)**	**4**
MUS-26 Intermediate/Advanced Voice	1-2
OR	
MUS-29 Intermediate/Advanced Guitar	1-2
OR	
MUS-81 Applied Music Masterclass and Lessons	1.5
Large Ensemble: Select a Combination of at Least 4 Units	**4**

(each course may be repeated up to 4 units)	
MUS-31 Concert Choir	1
OR	
MUS-33 Chamber Singers	1
List A – Choose from the following:	**3-4**
MUS-2B Music Theory IV	3
OR	
MUS-12 Music Appreciation	3
OR	
MUS-7D Ear Training: Level IV	1
Total Units for the Major	**22-24**
Completion of CSU GE or IGETC	
Transferable electives to reach 60 units total (if needed)	

Total Credits **60**

Advisor(s) H. Murphy

General Music (M.5810.CN)

Certificate of Achievement

The General Music Certificate prepares music students with the fundamental academics necessary for continued pursuit of the Associates of Arts for Transfer in Music or transfer to the university level.

Program Learning Outcomes:

1. Demonstrate and understanding of basic music theory and ear training skills through analysis, sight singing, and dictation.
2. Demonstrate proper performance skills on one or more instruments including voice.

Program Requirements:

Course Name	**Units**
Music Core:	**8**
MUS-1A Music Theory I	3
AND	
MUS-7A Ear Training: Level I	1
AND	
MUS-1B Music Theory II	3

AND	
MUS-7B Ear Training: Level II	1
Music History:	**3**
MUS-12 Music Appreciation	3
OR	
MUS-16 Jazz History and Appreciation	3
OR	
MUS-16B History of Musical Theatre	3
OR	
MUS-17 History of Rock	3
Applied Music: Select a Combination of at Least Four Units (each course may be repeated up to 4 units)	**4**
MUS-24 Beginning Voice: Level 1	1
OR	
MUS-26 Intermediate/Advanced Voice	1
OR	
MUS-27 Beginning Guitar: Level 1	1
OR	
MUS-29 Intermediate/Advanced Guitar	1
OR	
MUS-81 Applied Music Masterclass and Lessons	1.5
Ensembles: Select a Combination of at Least 4 Units (each course may be repeated up to 4 units)	**4**
MUS-31 Concert Choir	1
OR	
MUS-33 Chamber Singers	1
OR	
MUS-38 Musical Theatre Practicum	1
Total Credits	**19**

Music Theory (M.5811.CA)

Certificate of Achievement

The Music Theory Certificate is for students who enjoy reading and analyzing music, but not the performance aspect. It prepares the music students with the fundamental academic preparation necessary for continued pursuit of the Associates of Arts for Transfer in Music or transfer to the university level in music theory.

Program Learning Outcomes:

1. Understand music theory through analyzing, writing, and explaining western classical music.

Program Requirements:

Course Name	Units
MUS-1A Music Theory I	3
AND	

MUS-1B Music Theory II	3
AND	
MUS-2A Music Theory III	3
AND	
MUS-2B Music Theory IV	3

Total Credits **12**

Advisor (s): H. Murphy

Vocal Performance (M.5813.CA)

Certificate of Achievement

The Vocal Performance Certificate prepares the vocal music major with the fundamental academics necessary for continued pursuit of the Associates of Arts for Transfer in Music or transfer to the university level.

Program Learning Outcomes:

1. Sing solo pieces of intermediate difficulty level.
2. Sing in large and small ensembles in performance situations.
3. Compose and hear music analytically and analyze a musical score.

Program Requirements:

Course Name	Units
Music Core:	**6**
MUS-1A Music Theory I	3
AND	
MUS-12 Music Appreciation	3
OR	
MUS-16 Jazz History	3
Applied Music: Select a Combination of at Least Two Units (each course may be repeated up to 4 units)	**2**
MUS-26 Intermediate/Advanced Voice	1-2
OR	
MUS-81 Applied Music Masterclass and Lessons	1.5
Ensembles: Select a Combination of at Least Four Units (each course may be repeated up to 4 units)	**4**
MUS-31 Concert Choir	1
OR	
MUS-33 Chamber Singers	1
OR	
MUS-38 Musical Theatre Practicum	1

Total Credits **12**

Advisor(s): H. Murphy

NURSING

LVN-RN (M.4520.AS)

Associate of Science Degree

The nursing profession is concerned with the total health care of the individual and the family. It is a profession dedicated to preventing illness, caring for those who are acutely ill, and helping people with long-term rehabilitative problems to live in the healthiest way possible. Nursing is both a science and an art.

The LVN to RN nursing program consists of integrated lectures, labs, and clinicals conducted in selected local hospitals and health agencies. Upon satisfactory completion of the college's degree requirements, the Associate of Science (AS) degree in Nursing will be awarded, and graduates will be qualified for the National Council Licensure Examination for Registered Nursing (NCLEX-RN).

The associate degree in Registered Nurse prepares the student to coordinate, plan and provide nursing care in hospitals and community settings. The Registered Nurse assists clients with personal care, provides teaching and counseling to prevent illness, promotes health, and performs specialized treatments and procedures. Registered Nurses function as team leaders and direct the care provided by Licensed Vocational Nurses (LVNs), Certified Nursing Assistants (CNAs), Patient Care Technicians (PCT) as well as unlicensed healthcare workers.

Additional Information:

Students applying for admission must be graduates of a State Accredited LVN program, maintain current LVN licensure, and have attained a cumulative grade point average (GPA) of (2.5) or better in completed college work.

All prerequisites must be completed with a grade of "C" or better. This includes:

- BIOL-20 – Anatomy (within five years prior to admissions)
- BIO-22 – Physiology (within five years prior to admissions)
- BIOL-31 – Microbiology (within five years prior to admissions)
- CHEM-3A – Introductory General Chemistry OR equivalent
- ENGL-1A – Reading and Composition Or ENGL-1AH – Honors Reading and Composition
- MATH 103 – Intermediate Algebra OR equivalent OR Higher
- PSY-2 – General Psychology Or PSY-2H – Honors General Psychology
- SOC-1A – Introduction to Sociology Or ANTHRO-2 – Cultural Anthropology
- COMM-1 - Public Speaking Or COMM-2 - Interpersonal Communication
- PHIL-1C – Ethics Or PHIL-1CH – Honors Ethics
- FN-35 - Nutrition and Health Or FN-40 – Nutrition
- POLSCI-2 – American Government Or POLSCI-110 – American Institutions
- Physical Education- complete two physical education activity courses

Prospective applicants must also pass the Test of Essential Academic Skills (T.E.A.S.) with a minimum score of 62%.

Completion of LVN-RN Program Requires:

1. Completion of major requirements for the degree. Students must earn a “C” or better in all courses required for the major.
2. Completion of one of the following general education patterns:
    a. Madera Community College General Education
    b. California State University GE-Breadth Requirements (CSU GE-Breadth).
    c. Intersegmental GE Transfer Curriculum (IGETC)
3. Completion of 60 degree-applicable units with an overall GPA of at least 2.0.

Program Learning Outcomes:

1. Provide culturally responsive and competent care within a framework of scientific and professional accountability and function independently in a variety of settings.

Program Requirements:

Course Name	Units
Required Courses	21
RN-74 - Geriatric Nursing Theory	1.5
AND	
RN-75 - Intermediate Medical-Surgical Nursing	5
AND	
RN-77 - Psychiatric/Mental Health Nursing	3.5
AND	
RN-78 – Foundations of Multicultural Nursing Care	1
AND	
RN-79 - Nursing Skills Lab I	0.5
AND	
RN-85 - Advanced Medical-Surgical Nursing	6
AND	
RN-88 - Nursing Leadership and Management	1
AND	
RN-89 - Nursing Skills Lab II	0.5
AND	
RN-160 - LVN to RN Role Transition	2
Total Credits	21

Advsiors: E. Day, N. Visveshwara

LVN-RN (M.4520.CA)

Certificate of Achievement

The nursing profession is concerned with the total health care of the individual and the family. It is a profession dedicated to preventing illness, caring for those who are acutely ill, and assisting clients with long-term rehabilitative problems to live in the healthiest way possible. Nursing is both a science and an art. The LVN to RN nursing program consists of integrated lectures, labs, and clinical rotations conducted in local area hospitals and health agencies. Upon successful completion of the courses in the 30 Unit Option, a Certificate of Achievement will be awarded, and graduates are qualified for the National Council Licensure Examination-Registered Nursing (NCLEX-RN).

LVNs who select the "30-unit option" to satisfy the requirements for RN licensure must consult the Nursing Counselor or RN Program Director to discuss the advantages and disadvantages of this option. Students who obtain licensure with a 30-unit option certificate may not be able to practice as an RN in any state but California. This option is only available on a space available basis. Please refer to the current LVN to RN application and program information located on the Madera Community College website.

The graduate with a 30-unit option Certificate of Achievement must successfully pass the NCLEX exam to earn the title of a Registered Nurse and is prepared to coordinate, plan and implement nursing care in hospitals and community settings. The registered nurse assists clients with personal care, provides teaching and counseling to prevent illness, promote health, and performs specialized treatments and procedures. Registered Nurses function

as team leaders who delegate and manage the care provided by Licensed Vocational Nurses (LVNs), Certified Nursing Assistants (CNAs), Patient Care Technicians (PCTs) as well as unlicensed healthcare workers.

Additional Information:

Students applying for admission must be graduates of a State Accredited LVN program, maintain current LVN licensure, and have attained a cumulative grade point average (GPA) of (2.5) or better in completed college work.

All prerequisites must be completed with a grade of "C" or better. This includes:

- BIO-22 – Physiology (within five years prior to admission)
- BIOL-31 – Microbiology (within five years prior to admission)

Prospective applicants must also take the Test of Essential Academic skills (T.E.A.S.) with a minimum score of 62%.

Program Learning Outcomes:

1. Provide culturally responsive and competent care within a framework of scientific and professional accountability and function independently in a variety of settings.

Program Requirements:

Course Name	Units
Required Courses	**21**
RN-74 - Geriatric Nursing Theory	1.5
AND	
RN-75 - Intermediate Medical-Surgical Nursing	5
AND	
RN-77 - Psychiatric/Mental Health Nursing	3.5
AND	
RN-78 – Foundations of Multicultural Nursing Care	1
AND	
RN-79 - Nursing Skills Lab I	0.5
AND	
RN-85 - Advanced Medical-Surgical Nursing	6
AND	
RN-88 - Nursing Leadership and Management	1
AND	
RN-89 - Nursing Skills Lab II	0.5
AND	
RN-160 - LVN to RN Role Transition	2
Total Credits	**21**

Advisors: E. Day, N. Visveshwara

PEST CONTROL ADVISOR

Pest Control Advisor (M.8281.CA)

Certificate of Achievement

The Pest Control Advisor (PCA) Certificate prepares students for a career as a PCA. Coursework is aligned with the California Department of Pesticide Regulation (CDPR) PCA license requirements. Completion of the certificate indicates the completion of course work required by the CDPR and students should be prepared to take the CDPR examination and have the competency for employment in the field. Students must also obtain an average overall

grade point of 2.0 and complete 24 months of combined work experience that must be verified by a letter from current/past employers to qualify for the PCA examination.

Program Learning Outcomes:

1. Demonstrate an understanding of California laws and regulations pertaining to pesticide use, crop management, irrigation efficiency, and continuing education.
2. Summarize theoretical and practical applications to orchard, vineyard, and vegetable production systems with emphasis on San Joaquin Valley specifies for irrigation, fertility, cultural control, and pest management.
3. Articulate the principles of integrated pest management, including population dynamics and selection, and the use of biological, chemical, regulatory, genetic, cultural, and physical/mechanical control options in a system approach that optimizes economics and minimizes environmental side effects.
4. Demonstrate a breadth of knowledge in the agriculture industry that provides a base for effective decision making and credibility in personal interactions as related to the Pest Control Advisor profession.

Program Requirements:

Course Name	Units
Crop Health Courses	**9**
PLS 14-Plant Nutrition	3
AND	
PLS 5-Principles of Irrigation Management	3
AND	
PLS 2-Soils	3
Pest Management Systems and Methods	**6**
PLS 6-Pesticides	3
AND	
PLS 7-Integrated Pest Management	3
Production Systems	**6**
PLS 1-Introduction to Plant Science	3
AND	
PLS 3-General Viticulture	3
Additional Requirements	**9**
PLS 4A-Tree and Vine Management	3
AND	
AS 1-Introduction to Animal Science	3
AND	
EH 43-Plant Propagation/Production	3
Physical and Biological Sciences – Select 12 units from the following	**12**
BIOL 16-Plant Biology	3
OR	
PLS 18-Introduction to Enology	3
OR	
CHEM 1A-General Chemistry	5
OR	
CHEM 3A-Introductory General Chemistry	3
OR	
CHEM 8-Elementary Organic Chemistry	3
OR	
BIOL 31-Microbiology	5
OR	

BIOL 11A-Biology for Science Majors I	5
OR	
BIOL 11B-Biology for Science Majors II	5
OR	
BIOL 1-Principles of Biology	4
OR	
BIOL 2-Environmental Science	4
OR	
BIOL 10-Introduction to Life Science	3
OR	
BIOL 10L-Introduction to Life Science Lab	1
Total Credits	**42-44**

Advisor(s): E. Mosqueda

PLANT SCIENCE

Plant and Soil Science (M.1074.AS)

Associate in Science Degree

Students completing this program will be well-informed of physical, chemical, and biological principles and processes of plants and soils. Mastering these principles allows the selection of effective programs of plant development, irrigation, fertility, pest management, and soil management. Completion of the program prepares students for careers in management of tree, vine, vegetable, and field crops; for transfer into California State University and University of California institutions; and for entry-level technical positions in the production agriculture industry. Purpose: To provide practical knowledge and specific skills in plant and soil sciences as required in vineyard, orchard, vegetable, and field crop management systems.

Program Learning Outcomes:

1. Identify the structures and functions of plant cells, organelles, tissues, organs, and integrate important plant processes such as growth, photosynthesis, respiration, and translocation with plant management practices.
2. Explain the physical, chemical, and biological properties of soils, and the incorporation of analytical testing procedures for nutrients, moisture, and physical characteristics with economical stewardship of soil management.
3. Developed awareness of theoretical and practical applications to orchard, vineyard, and vegetable production systems with emphasis on San Joaquin Valley specifics for irrigation, fertility, cultural, and integrated pest managements, and machine technology.
4. Demonstrate knowledge and skills of irrigation science with its effects on plant growth and development, yield and profitability, soil properties and reclamation. Additional competence developed includes predictive models and scheduling; system design, operation, and evaluation; and historical, political, and societal interactions with irrigation.
5. Articulate the principles of integrated pest management, including population dynamics and selection, and the use of biological, chemical, regulatory, genetic, cultural, and physical/mechanical control options in a system approach that optimizes economics and minimizes environmental side effects.
6. Demonstrate skills in quantitative and qualitative data analyses related to performance of crop variety, fertilizer treatments, cultural effects, and environmental stresses. Evaluation and establishment of laboratory, test plot, and field conditions to determine if significant differences exist and can be identified.
7. Proficiency in machinery management and operation of farm equipment.

8. Demonstrate a breadth of knowledge in the agriculture industry which provides a base for effective decision making of business aspects of crop production and management.

Program Requirements:

Course Name	Units
Plant & Soil Science Core	**17**
AGBS-2 – Agricultural Economics	3
OR	
AGBS-3 - Agriculture Accounting	3
AND	
AGBS-4 - Computer Applications in Agriculture	3
AND	
PLS-1 - Introduction to Plant Science	3
AND	
PLS-1L - Introduction to Plant Science Laboratory	1
AND	
PLS-2 - Soils	3
AND	
PLS-2L - Soils Laboratory	1
AND	
PLS-11 - Machinery Technology	3
Select one option	**15 – 24**
Option A - This pathway is designed for students primarily interested in acquiring an entry-level position within the plant soil science industry.	**15**
Select 1 course, 3 units	
AS-1 - Introduction to Animal Science	3
OR	
AS-2 - Beef Production	3
OR	
AS-3 - Small Ruminant Production	3
OR	
AS-4 - Swine Production	3
OR	
AS-5 - Animal Nutrition	3
Select a minimum of 12 units from the following	
EH-43 - Plant Propagation/Production	3
OR	
PLS-3 - General Viticulture	3
OR	
PLS-4A - Tree and Vine Management	3
OR	
PLS-5 - Principles of Irrigation Management	3
OR	
PLS-6 – Pesticides	3
OR	
PLS-7 - Integrated Pest Management	3
OR	
PLS-8 - Vegetable Production	3
OR	
PLS-9 - Biometrics	3

OR	
PLS-14 - Plant Nutrition	3
OR	
PLS-16 - Wine Sensory Analysis and Evaluation	3
OR	
PLS-17 - Winery Laboratory Techniques and Equipment Operation	3
OR	
PLS-18 - Introduction to Enology	3
Option B - This pathway, along with additional transferable general education courses are designed for students seeking to transfer to CSU, Fresno's Plant Science B.S. program.	**23-24**
Required Courses, 16 units	
CHEM-3A - Introductory General Chemistry	4
AND	
PLS-5 - Principles of Irrigation Management	3
AND	
PLS-7 - Integrated Pest Management	3
AND	
PLS-9 Biometrics	3
AND	
BIOL-16 Plant Biology	3
Select one course, 3-4 units	
CHEM-3B - Introductory Organic and Biological Chemistry	4
OR	
CHEM-8 - Elementary Organic Chemistry	3
Select one course, 4 units	
MATH-11 - Elementary Statistics	4
OR	
STAT-7 - Elementary Statistics	4
Total Units for the Major	**32-41**
Completion of Madera Community College GE, CSU GE or IGETC	
Total Credits	**60-75**

Advisor(s): E. Mosqueda

VITICULTURE

Viticulture (M.6001.CN)

Certificate In

The Certificate in Viticulture program prepares students for entry-level employment in the field of Viticulture, or grape-growing. The certificate focuses on grape production and management, while also showing students how to work cooperatively with wineries.

Program Learning Outcomes:

1. Demonstrate an understanding of viticulture, including operations, physiology, vineyard management, soils, and integrated pest management.
2. Work effectively with wineries to determine optimum harvest parameters and coordinate the operations required

Program Requirements:

Course Name	Units
PLS-3-General Viticulture	3
AND	
PLS-4A-Tree and Vine Management	3

Total Credits **6**

Advisor(s): E. Mosqueda

Deleted Courses (from 2023-2024 Catalog)

PSY-46

PSY-47

PSY-48

PSY-49

COURSE DESCRIPTIONS

Effective Fall 2024

(Pages 136 – 220 of 2024- 2025 catalog)

ACCOUNTING (ACCTG)

19 WORK EXPERIENCE EDUCATION, ACCOUNTING

1-14 units, 3-42 lab hours.

Supervised employment, directly related to student's major in accounting. (A, CSU

AGRICULTURE BUSINESS (AGBS)

19 WORK EXPERIENCE EDUCATION, AGRICULTURE

1-14 units, 3 -42 lab hours.

This course is designed to provide ongoing support for students while they are engaged in supervised employment, directly related to their major. (A, CSU)

BUSINESS ADMINISTRATION (BA)

12 INTRODUCTION TO HOSPITALITY

3 units, 3 lecture hours, Pass/No Pass

ADVISORIES: ENGLISH-1A or ENGLISH -1AH

This course provides an overview of structure, financial administrative and financial structures as well as career opportunities in the hospitality industry: food and lodging, resort, food and beverage management, tourism enterprises, attractions and related operations. Focus is on orientation to customer service, cultural/economic trends, and career opportunities. (A,CSU)

19 WORK EXPERIENCE EDUCATION, BUSINESS

1-14 units, 3-42 lab hours.

This course is designed to provide ongoing support for students while they are engaged in supervised employment, directly related to their major. (A, CSU)

BIOLOGY (BIOL)

11A BIOLOGY FOR SCIENCE MAJORS I

5 units, 4 lecture hours, 3 lab hours.

PREREQUISITES: CHEM-1A or CHEM-3A and MATH-103 or MATH-3A or MATH-5A or equivalent. ADVISORIES: ENGLISH-1A or ENGLISH-1AH, BIOLIOGY-10 and BIOLIOGY-10L or high school Biology

This class is the first in a two- semester sequence of general biology for science majors. Students will explore the chemistry of life, cellular structures, and cellular metabolism-including photosynthesis and aerobic and anaerobic respiration. Regulation of the cell cycle and communication between cells will be investigated. Students will apply this foundation through genetics, biotechnology, and evolution. This course is intended for science majors and students planning to enter medical, veterinary, dental, optometry, and pharmacy programs. (A, CSU-GE, UC, I) (C-ID BIOL 190) (C-ID BIOL 135S BIOL 11A +BIOL 11B)

11B BIOLOGY FOR SCIENCE MAJORS II

5 units, 3 lecture hours, 6 lab hours.

PREREQUISITES: Biology 11A and Math 103 or equivalent. ADVISORIES: ENGLISH-1A or ENGLISH-1AH.

This course is the second course of a two-semester sequence of general biology for science majors. Students will explore the origins of life, evolutionary history of biodiversity, plant form and function, animal form and function, and ecology. This course is intended for science majors and students planning to enter medical, veterinary, dental, optometry, and pharmacy programs. (A, CSU-GE,UC,I)(C-ID 135S BIOL 11A + BIOL11B)

CHILD DEVELOPMENT (CHDEV)

19 WORK EXPERIENCE EDUCATION, CHILD DEVELOPMENT

1-14 units, 3-42 lab hours. Pass/No Pass.

Students will gain work experience in childcare, early intervention, special education or educational facility. Students can specialize their work experience at the level needed to accomplish their educational/career goals. These various levels of work experience include working with infants, toddlers, preschool, or grades K-3. Students gaining work experience towards the Early Intervention Assistant Certificate are required to complete their work experience at a facility that includes typically and atypically developing children.

21 INFANT AND TODDLE DEVELOPMENT (Previously CHDEV-17B)

3 units, 3 lecture hours. Pass/No Pass.

ADVISORIES: ENGL-1A or ENGL-1AH

This course is a study of infants and toddlers from pre-conception to age three including physical, cognitive, language, social, and emotional growth and development. It applies theoretical frameworks to interpret behavior and interactions between heredity and environment. The course emphasizes the role of family and relationships in development. (A, CSU)

22 INFANT AND TODDLER PRACTICUM (Previously CHDEV-17A)

3 units, 3 lecture hours. Pass/No Pass.

PREQUISITES: CHDEV 1 and 39. ADVISORIES: ENGL-1A OR ENGL-1AH.

This course applies current theory and research to the care and education of infants and toddlers in group settings. It examines essential policies, principles and practices that lead to quality care and developmentally appropriate curriculum for children birth to 36 months. The "To Be Arranged" hours include observation and participation in a group early childhood setting, in planning environments and facilitating infant toddler growth and development. (A, CSU)

CRIMINOLOGY (CRIM)

19 WORK EXPERIENCE EDUCATION, CRIMINOLOGY

1-14 units, 3-42 lab hours.

Supervised employment, not directly related to student's major. (A, CSU)

HEALTH (HLTH)

1 CONTEMPORARY HEALTH ISSUES

3units, 3 lecture hours. Pass/No Pass

ADVISORIES: ENGLISH -1A or ENGLISH-1AH

This course will introduce students to a comprehensive study of personal and community health. The course will introduce the student to chronic diseases, prevention, and health issues at the local, state, and national levels. (A, CSU-GE, UC)

HUMAN SERVICES (HS)

19F SOCIAL WORK AND HUMAN SERVICES FIELD WORK

2 units, 6 hours. Pass/No Pass

Corequisite: HS-9. Prerequisites: HS-20 and HS-24.

This course is the supervised field experience portion of human services. Students will be working in the field allowing the student to apply knowledge and learn new skills outside of the classroom environment. This course is designed to provide the student with an opportunity to serve, practice, and develop skills that would facilitate gaining employment in the human services field. SPECIAL NOTES: Students must complete 108 hours of work experience in the field.

19V WORK EXPERIENCE, HUMAN SERVICES

1-14 units, 3-42 hours. Pass/No Pass.

PREREQUISITE: HS-20

This course allows students to have a supervised field experience directly related to the field of Human Services. The goals for this course include learning interpersonal, problem solving, and communication skills; office dynamics and adapting to change. Group interaction. Collaborative learning activities specific to human services. Learning objectives established specific to human services. SPECIAL NOTES: This course is a stand-alone course that Human Services students can take to have more time in work experience activities. (A,CSU)

ENGLISH AS SECOND LANGUAGE (ESL)

315 ADVANCED DISCOURSE IN THE HUMANITIES

0 units, 5 lecture hours, Pass/No-Pass Only

PREREQUISITE: English as a Second Language 314 or placement through an approved placement process.

Students engage in critical analysis, discussion and response to works in Humanities with a focus on regional, national, and world cultures. Students develop and support their theses in multiple-draft, source-based expository essays in academic

English. This course provides language support and a lens for cultural insight for multilingual students. Successful completion of this course prepares students for English 1A.

INFORMATION SYSTEMS (IS)

19 WORK EXPERIENCE EDUCATION, INFORMATION SYSTEMS

1-14 units, 3-42 hours.

Supervised employment, directly related to student's major in information systems. (A, CSU)

KINESIOLOGY (KINES)

22 INTRODUCTION TO KINESIOLOGY

3 units, 3 lecture hours

ADVISORIES: ENGLISH-1A or ENGLISH 1AH

This course is an introduction to kinesiology and the study of human movement. Students will be introduced to the historical background, philosophy, objectives, and content of modern physical education and kinesiology. The course will also include an overview of career opportunities in the areas of teaching, coaching, allied health, and fitness professions. (A, CSU, UC)

29 SPORT MANAGEMENT

3 units, 3 lecture hours. Pass/No Pass.

ADVISORIES: ENGLISH -1A or ENGLISH 1AH

This course is an introduction to sports management and will explore the various aspects of managing a sport team. Content will include areas such as leadership, organizational structures, marketing, event planning, public relations, budgeting, and care of equipment and facilities. (A,CSU)

MANUFACTURING (MFGT)

19 WORK EXPERIENCE EDUCATION, MANUFACTURING TECHNOLOGY

1-14 units, 3-42 hours.

PREREQUISITES: MFGT-11 or MFGT-60 or MFGT-80.

This course is designed to provide ongoing support for students while they are engaged in supervised employment, directly related to their major.

MATHEMATICS (MATH)

75A CALCULUS IA

2 units, 2 lecture hours.

PREREQUISITES: MATH-3A or 4B and MATH-4A. ADVISORIES: English 1A or English 1AH. ANTI-REQUISITE: Not open to students with credit in MATH-5A.

This class is the first in a two-semester series that covers Calculus I. This course is linked with a co-requisite section to support students with precalculus review. Topics include limits, continuity, the definition of the derivative, and differentiation of polynomial and trigonometric functions. Together, MATH 75A and Math 75B equal Math 5A (Calculus I). (A, CSU)

75B CALCULUS IB

3 units, 3 lecture hours.

PREREQUISITES: MATH-75A. ADVISORIES: English-1A or English-1AH. ANTI-REQUISITES: Not open to students with credit in MATH-5A.

This class is the second in a two-semester series that covers Calculus I. This course is linked with a corequisite section to support students with precalculus review. Topics include limits, differentiation and integration of polynomial, exponential, logarithmic and trigonometric functions, analytic geometry, curve sketching, and applications. Together, Math 75A and Math 75B equal Math 5A (Calculus I). (A,CSU)

103 INTERMEDIATE ALGEBRA

5 units, 5 lecture hours.

PREREQUISITES: Mathematics 201 or equivalent. ADVISORIES: English 1A or English 1AH.

This course is designed to provide students with a strong foundation in algebra, graphing, and problem-solving skills. This course will cover many algebraic concepts including equations and inequalities in two variables, rational exponents and roots, quadratic functions, exponential and logarithmic functions, and conic sections. (A)

201 ELEMENTARY ALGEBRA

5 units, 5 lecture hours. Pass/No Pass.

This is the first course in elementary algebra, including algebraic expressions, linear equations and inequalities, linear equations and inequalities in two variables, exponents and polynomials, factoring, and rational expressions.

205AL SUPPORT FOR CALCULUS I

1 unit, 3 lab hours. Pass/No Pass.

COREQUISITE: Mathematics 5A

This is a support course for students concurrently enrolled in Math 5A Calculus I. This course will offer just-in-time remediation and the topics will vary depending on student needs but may include factoring and simplifying expressions, reading and

interpreting graphs and tables, rewriting algebraic and trigonometric expressions, simplifying expressions using function notation, and more.

205BL SUPPORT FOR CALCULUS II

1 unit, 2 lab hours. Pass/No Pass.

COREQUISTE: Mathematics 5B

This is a support course for students concurrently enrolled in Math 5B Calculus II. This course will offer just-in-time remediation and the topics will vary depending on student needs but may include functions, algebraic techniques, geometry, graphing in various coordinate systems, sequences and summation, and more.

206L SUPPORT FOR CALCULUS III

1 unit, 2 activity hours. Pass/No Pass.

COREQUISITE: Mathematics 6

This is a support course for students concurrently enrolled in Math 6 Calculus III. This course will offer just-in-time remediation and the topics will vary depending on student needs but may include functions, algebraic techniques, geometric formulas and conic sections, polar and parametric functions, derivatives and integrals and their applications, and more.

217L SUPPORT FOR DIFFERENTIAL EQUATIONS AND LINEAR ALGEBRA

1 unit, 2 activity hours. Pass/ No Pass.

COREQUISITE: Mathematics 17

This is a support course for students concurrently enrolled in Math 17 Differential Equations and Linear Algebra. This course will offer just-in-time remediation and the topics will vary depending on student needs but may include a review of differentiation and integration techniques, solving systems of equations, and more.

275A CALCULUS IA SUPPORT

2 units, 3 lecture hours. Pass/No Pass.

COREQUISITE: Mathematics 75A

This is a support course for students concurrently enrolled in Math 75A Calculus IA. This course will offer just-in-time remediation, and the topics will vary depending on student needs but may include factoring and simplifying expressions, reading and interpreting graphs and tables, rewriting algebraic and trigonometric expressions, simplifying expressions using function notation, and more.

275B CALCULUS IB SUPPORT

1 units, 2 lecture hours. Pass/No Pass.

COREQUISITE: Mathematics 75B.

This is a support course for students concurrently enrolled in Math 75B Calculus IB. This course will offer just-in-time remediation, and the topics will vary depending on student needs but may include factoring and simplifying expressions, reading and interpreting graphs and tables, rewriting algebraic and trigonometric expressions, simplifying expressions using function notation, and more.

305AL SUPPORT FOR CALCULUS I

0 units, 3 lab hours. Pass/ No Pass.

COREQUISITE: Mathematics 5A.

This is a support course for students concurrently enrolled in Math 5A Calculus I. This course will offer just-in-time remediation and the topics will vary depending on student needs but may include factoring and simplifying expressions, reading and interpreting graphs and tables, rewriting algebraic and trigonometric expressions, simplifying expressions using function notation, and more.

305BL SUPPORT FOR CALCULUS II

0 units, 2 activity hours. Pass/ No Pass.

COREQUISITE: Mathematics 5B.

This is a noncredit support course for students concurrently enrolled in Math 5B Calculus II. This course will offer just-in-time remediation and the topics will vary depending on student needs but may include functions, algebraic techniques, geometry, graphing in various coordinate systems, sequence and summation, and more.

306L SUPPORT FOR CALCULUS III

0 units, 2 activity hours. Pass/ No Pass.

COREQUISITE: Mathematics 6

This is a noncredit support course for students concurrently enrolled in Math 6 Calculus III. This course will offer just-in-time remediation and the topics will vary depending on student needs but may include functions, algebraic techniques, geometric formulas and conic sections, polar and parametric functions, derivatives and integrals and their applications, and more.

317L SUPPORT FOR DIFFERENTIAL EQUATIONS AND LINEAR ALGEBRA

0 units, 2 activity hours. Pass/ No Pass.

COREQUISITE: Mathematics 17

This is a noncredit support course for students concurrently enrolled in Math 17 Differential Equations and Linear Algebra. This course will offer just-in-time remediation and the topics will vary depending on student needs but may include a review of differentiation and integration techniques, solving systems of equations, and more.

375A CALCULUS IA SUPPORT

0 units, 3 lecture hours. Pass/No Pass

COREQUISITE: Mathematics 75A

This is a noncredit support course for students concurrently enrolled in Math 75A Calculus IA. This course will offer just-in-time remediation and the topics will vary depending on student needs but may include factoring and simplifying expressions, reading and interpreting graphs and tables, rewriting algebraic and trigonometric expressions, simplifying expressions using function notation, and more.

375B CALCULUS IB SUPPORT

0 units, 2 lecture hours. Pass/No Pass

COREQUISITE: Mathematics 75B

This is a noncredit support course for students concurrently enrolled in Math 75B Calculus IB. This course will offer just-in-time remediation and the topics will vary depending on student needs but may include factoring and simplifying expressions, reading and interpreting graphs and tables, rewriting algebraic and trigonometric expressions, simplifying expressions using function notation, and more.

MECHANIZED AGRICULTURE (MAG)

19 WORK EXPERIENCE EDUCATION, MECHANIZED AGRICULTURE

1-14 units, 3-42 hours.

Work experience internship for mechanized agriculture students. Students will be monitored and advised through this class. Documentation of work progress will be provided to the instructor by the student and the work supervisor. Students may learn specific and general career skills in preparation for more advanced responsibilities upon completion of the educational program. The student must be employed or serving as a volunteer with an entity which is approved by the instructor. Employer must agree to participate in this internship, provide appropriate skills instruction and supervision, and submit a performance evaluation to the college. (A, CSU)

OFFICE TECHNOLOGY (OT)

19 WORK EXPERIENCE EDUCATION, OFFICE TECHNOLOGY

1-14 units, 3-42 hours.

Supervised employment, directly related to student's major in office technology. (A, CSU)

PHYSICAL EDUCATION (PE)

16 FITNESS WALKING

1 unit, 3 lab hours.

ADVISORIES: ENGLISH-1A or ENLISH-1AH

The course is designed to expose students to the benefits of exercise through fitness walking and the principles of exercise which will increase health and wellness.

36E SOCCER TRAINING

2 units, 6 lab hours.

LIMITATION ON ENROLLMENT: Players demonstrate skills competitive with intercollegiate level soccer.

Off-season training, conditioning, strength and skills development for competitive soccer players. (A, CSU)

49 WEIGHT TRAINING FOR INTERCOLLEGIATE ATHLETES

1 unit, 3 lab hours.

LIMITATION ON ENROLLMENT: This course is designed for intercollegiate athletics, and students must confer with the coach of the sport prior to enrollment.

This is an advanced resistance training course designed for intercollegiate student athletes. (A, CSU, UC)

REGISTERED NURSING (RN)

74 GERIATRIC NURSING

1.5 units, 1.5 lecture hours.

PREREQUISITES: RN-160.COREQUISITES: RN-75,77,79. Limitation on enrollment: Must have a current LVN licensure.

This course builds on previous knowledge and skills in applying the nursing process to older adults living in the community and in the hospital setting. Gerontological nursing theory emphasizes lifestyle and physical changes that occur with aging, the process of initiating health referrals for the older adult, and the outcome criteria for evaluating the aging individual’s response to teaching and learning. The student will also explore interventions to maintain the older adult’s functional abilities. (A,CSU)

75 INTERMEDIATE MEDICAL-SURGICAL NURSING

5 units, 2.5 lecture hours, 7.5 lab hours.

PREREQUISITES: RN-160 with a grade of "C" or better. COREQUISITES: RN-74,77,79. LIMITATION ON ENROLLMENT: Must have a current LVN licensure.

This course provides the conceptual basis of nursing care for acutely ill, non-critical care adult, and geriatric patients in an acute medical-surgical setting. The student utilizes the nursing process to recognize alterations in functioning or illness and formulate age-appropriate nursing interventions. Concurrent practice in the skills lab and clinical experience in community facilities is required. (A, CSU)

77 PSYCHIATRIC MENTAL HEALTH NURSING

3.5 units, 2 lecture hours, 4.5 lab hours.

PREREQUISITES: RN-160 with a grade of "C" or better. COREQUISITES: RN-74,75,79. LIMITATION ON ENROLLMENT: Must have a current LVN licensure.

This course focuses on the nursing care of patients with identified psychiatric/mental health problems. It is designed to enable the student to acquire knowledge and skills through the systematic observation of patient behavior to identify, describe, and classify pertinent behaviors related to psychiatric/mental health problems and developmental disabilities. The course emphasizes the nursing process, the nurse-patient relationship, and therapeutic communication skills in caring for individuals and their families across the lifespan. Concurrent enrollment in a psychiatric-approved clinical site is necessary. (A,CSU)

78 FOUNDATIONS OF MULTICULTURAL NURSING CARE

1 unit, 1 lecture hour. PREREQUISITES: RN-160 with a grade of "C" or better. LIMITATION ON ENROLLMENT: Must have a current LVN licensure.

This course introduces transcultural theories, concepts, and principles that help explain the healthcare needs and responses of individuals and groups within the context of their cultures and subcultures. Diversity is examined relative to social organization, roles and expectations, communication patterns, and values/beliefs underlying health-illness behaviors between Western and non-Western cultures. Emphasis is placed on the conduct of culturally competent assessments. (A,CSU)

79 SKILLS LAB I

.5 units, 1.5 lab hours.

PREREQUISITES: RN-160 with a grade of "C" or better. COREQUISITES: RN -74,75,77. LIMITATION ON ENROLLMENT: Must have a current LVN licensure.

This course provides technical knowledge and assessment skills related to adult/geriatric clients. Focus is on skills and concepts related to Intermediate Medical-Surgical Nursing and prepares the student to progressively advance in nursing practice to care for adults/geriatric clients with acute and chronic health care problems. Under direct supervision, students will have an opportunity to update previously learned skills, practice complex client care assignments on simulators, and demonstrate proficiency in math and dosage calculations for medication administration. This course also aids in the development of nursing skills related to communication, care planning, and documentation. (A,CSU)

85 ADVANCED MEDICAL-SURGICAL NURSING

6 units, 2.5 lecture hours, 10.5 lab hours.

PREREQUISITES: RN-160, 74,75,77,79 with a grade "C" or better. COREQUISTES: RN-87,88,89. LIMITATION ON ENROLLMENT: Must have a current LVN licensure.

This course focuses on providing safe care to multiple patients with complex, multi-system critical care illnesses or injuries. Correlated clinical experiences emphasize refining clinical decision-making, psychomotor skills, and patient care management in professional nursing practice. Concurrent enrollment in the skills lab and clinical experience in community facilities is required. (A, CSU)

87 PEDIATRIC AND MATERNAL – CHILD NURSING

4 units, 2 lecture hours, 6 lab hours.

PREREQUISITES: RN-160,74,75,77,79 with a grade "C" or better. COREQUISTES: RN-85, 88,89. LIMITATION ON ENROLLMENT: Must have a current LVN licensure.

Pediatric Nursing: This portion of the course focuses on nursing care of the complex pediatric population in the acute healthcare setting. The purpose is to expose students to pediatric patients and their families in the hospital, outpatient clinics, and home health setting, as well as understand the physiological and psychological dynamics of the child and their care providers. An emphasis is placed on how diseases manifest, specifically in the pediatric population. Concurrent enrollment in the skills laboratory and clinical experience in community facilities are required.

Maternal-Child Nursing: This second half is a family-centered course emphasizing nursing care of the childbearing and childrearing family. Concepts include family communications, teaching, the nursing process, critical thinking, legal-ethical issues, and client advocacy. The Orem Self-Care Model and the nursing process are utilized to assist the student in planning and delivering nursing care relevant to the pathophysiological, psychological, sociocultural, and risk-reduction needs of the client/family in childbearing

and childrearing experiences. Concurrent enrollment in the skills laboratory and clinical experience in community facilities are required.

Note: Pediatric Nursing is conducted for the first half, and Maternal-Child Nursing is the remaining half. The student must pass Pediatric Nursing before advancing to Maternal-Child Nursing.

88 NURSING LEADERSHIP AND MANAGEMENT

1 unit, 1 lecture hour.

PREREQUISITE: RN-160, 74,75,77,79 with a grade "C" or better. COREQUISITES: RN-85,87,89. LIMITATION ON ENROLLMENT: Must have a current LVN licensure.

This course prepares students for the changing role of the professional nurse in complex, rapidly changing health care environments and diverse healthcare settings. The theories and methods of leadership and management are explored and applied in the clinical experience. There is an emphasis on critical thinking, team building, communication, priority setting, lifelong learning, and collaborative decision-making as tools applied as a transition into the professional registered nurse workforce. The student will embrace the American Nurses Association Code of Ethics and the California Nursing Practice Act with all class actions and interactions, demonstrating professional accountability and responsibility. (A,CSU)

89 SKILLS LAB II

.5 units, 1.5 lab hours.

PREREQUISITES: RN-160, 74,75,77,78 AND 79 with a grade "C" or better. COREQUISITES: RN-85, 87,88. LIMITATION ON ENROLLMENT: Must have a current LVN licensure.

This course focuses on developing advanced decision-making skills related to complex, multi-system critical care illnesses or injuries and simulation patients. Under direct supervision, students will have an opportunity to develop and improve patient-centered care through advanced critical thinking scenarios, therapeutic nursing interventions, and ongoing practice of technical skills within the context of the critical care practice environments. (A, CSU)

160 LVN to RN Role Transition

2 units, 1 lecture hour, 3 lab hours.

LIMITATION ON ENROLLMENT: Must have a current unencumbered California LVN licensure.

This course is designed to support the professional transition of Licensed Vocational Nurses (LVNs) aspiring to attain Registered Nurse (RN) licensure. Grounded in Orem's Self-Care theory, students are introduced to a systematic approach that employs the nursing process, encompassing assessment, planning, implementation, and evaluation of nursing care. Emphasizing hands-on practice, the course provides an opportunity for students to reinforce previously acquired LVN skills and procedures essential for advanced placement within the RN program.

Acceptance into the LVN to RN program is contingent upon the student successfully completing a practical assessment of their competency in clinical skills, including: Indwelling Urinary Catheter Insertion; Nasogastric Tube Insertion; Tracheostomy Care and Suctioning. Clinical skill competencies will be tested during the summer session prior to fall semester program commencement. Students are granted two attempts to pass the Skills Competency Assessment at a proficiency level of 75% or higher.

WORK EXPERIENCE EDUCATION (WKEXP)

19 WORK EXPERIENCE EDUCATION (Previously COTR-19G)

1-14 units, 3-42 hours. Pass/No Pass.

Supervised employment, not directly related to student's major. (A, CSU)