

**WELCOME TO MT. SAN ANTONIO COLLEGE
REGISTERED VETERINARY TECHNOLOGY PROGRAM**

Accredited by the American Veterinary Medical Association, the Registered Veterinary Technology Program at Mt. San Antonio College is located in Los Angeles County. Because of our central location the college serves the counties of Los Angeles, San Bernardino, Orange and Riverside. The program offered prepares the individual for licensing and a career in many different areas of animal health, such as:

REGISTERED VETERINARY TECHNICIAN:

Students will work under the supervision of licensed private organizations including veterinary hospitals, research vivariums, animal shelters, and other animal care agencies.

**UPON COMPLETION AND LICENSING YOU CAN QUALIFY FOR THE
FOLLOWING CAREERS:**

Veterinary Practices

Small Animal

Large Animal

Specialty Practices:

Equine

Dairy

Beef

Swine

Sheep

Animal Reproduction

Avian

Exotics

Biomedical Research Facilities

Pharmaceutical Sales and/or Services

Diagnostic Laboratories

Fish and Game/Forest Service

Zoo/Wildlife Medicine/Aquatic

Humane Societies/Animal Control

Livestock Health Managers

Pet Store/Animal Care

Food Inspection

The Military

Governmental Agencies

Veterinary Medical Related Sales and Services

BENEFITS OF THE REGISTERED VETERINARY TECHNOLOGY PROGRAM AT MT. SAN ANTONIO COLLEGE

MT. SAN ANTONIO COLLEGE is located in Los Angeles County, which is one of the largest dollar volume counties utilizing both products and licensed Registered Veterinary Technicians. Employment in the industry provides five (5) to seven (7) jobs for every licensed Registered Veterinary Technician.

A PRACTICAL APPROACH to Registered Veterinary Technology with hands-on experience and interaction with the Registered Veterinary Technology industry is offered. The college supports a working 250 acre farm and an animal care facility to provide practical experiences for students.

DIVERSE CLASS scheduling allows individuals to maintain employment and still seek a degree.

WORK EXPERIENCE PROGRAM. Students can earn units for on-the-job work experience. California has thousands of veterinary hospitals and facilities. There are also research institutions, animal control agencies and humane societies, plus many other facilities that utilize Registered Veterinary Technicians in California. Students can gain knowledge and hands-on experience in the following areas:

- Caring for hospitalized patients
- Clinical pathology
- Outpatient/field service
- Radiology
- Anesthesiology
- Dental prophylaxis
- Application of bandages, splints and appliances
- Surgical assisting/suturing
- Office hospital management
- Pharmacy/Pharmaceutical
- Research
- Laboratory animal care
- Animal control operations
- Animal/human bonding
- Wildlife/zoo/marine mammal medicine
- Avian medicine and care

WORK EXPERIENCE STATIONS ASSIGNED DURING THE PROGRAM:

- Small animal veterinary hospitals
- Emergency pet clinics
- Large animal practices or clinics, exotic animal practices, or research facilities
- Animal control or humane society

INDIVIDUALIZED AND PERSONALIZED ADVISEMENT and instruction.

FULL-TIME AND PART-TIME FACULTY with over (50) years of practical industry experience.

ADVISORY COMMITTEE composed of many industry leaders in Registered Veterinary Technology enterprises.

JOB SECURITY because over 2,000 jobs in California and 10,000 jobs in the United States are waiting and available to Registered Veterinary Technicians today. The demand is now, with a rapidly increasing number of qualified technicians required for the future.

TAKE ADVANTAGE OF local, state and national placement assistance, internship programs, local, state and national organizations, stability and job security, opportunity for growth and continuing education, and local, state, national and worldwide demand for employee's.

FACILITIES

The Registered Veterinary Technology facilities are located on the Mt. SAC campus utilizing classrooms and the entire college farm.

CLASSROOM SPACE includes a complete surgery room and Registered Veterinary Technology laboratory.

LAB ANIMAL FACILITY and kennels

FARM with domestic animals for use in the Registered Veterinary Technology classes.

THE CURRICULUM

Courses are offered which lead to an Associate in Science Degree in Registered Veterinary Technology. The Associate in Science Degree Program is accredited by the American Veterinary Medical Association. The Alternate Route curriculum meets the minimum requirements for qualifying to take the California state board exam for those who have worked in the veterinary field for three or more years (4,680 hours).

In addition, most of the first year courses are transferable to a four-year institution where a higher degree may be earned. For detailed requirements contact:

**Jean Hoffman, R.V.T., Director
Registered Veterinary Technology Program
Mt. San Antonio College
1100 North Grand Avenue
Walnut, CA 91789
(909) 594-5611, ext. 4540 or 4544**

**ASSOCIATE IN SCIENCE DEGREE IN
REGISTERED VETERINARY TECHNOLOGY/ANIMAL HEALTH TECHNOLOGY**

Students wishing to be admitted to the Registered Veterinary Technology Program must meet with the Director of the program at least two (2) weeks prior to the beginning of the semester in which enrollment shall begin.

Students who satisfactorily complete the requirements of this program are eligible to take the State of California Certifying Examination for Registered Veterinary Technicians.

Required courses 1st year:

AGAN 1	Animal Science
AGAN 2	Animal Nutrition
AGAN 51	Animal Handling and Restraint
AGAN 94	Animal Breeding
AGHE 54	Veterinary Office Procedures
AGHE 64	Veterinary Pharmacology
AGHE 79	Laboratory Animal Medicine
AGHE 84A	Applied Animal Health Procedures
AGHE 86	Anatomy and Physiology of Domestic Animals
AGLI 96	Animal Sanitation and Disease Control

ALL STUDENTS MUST ALSO COMPLETE THE GENERAL EDUCATION REQUIREMENTS FOR THE DEGREE

***BIOL 1 - Biology 1 is recommended (should be taken before starting the Advanced Classes), *or*
BIOL 17 – Neurobiology and Behavior of Animals *and*
MATH 71 - Intermediate Algebra**

****Complete application for advanced classes with Program Director.**

Required courses 2nd year:

AGHE 60	Medical Nursing and Animal Care
AGHE 61	Surgical Nursing
AGHE 62A	Clinical Pathology
AGHE 62B	Clinical Pathology
AGHE 65	Veterinary Radiography
AGHE 85	Seminar in Animal Health Technology

****Complete Petition to Graduate the semester prior to anticipated completion of program.**

Additional Classes:

AGHE 83A (1 unit) or 83B (2 units) Work Experience in Animal Health—4 unit's total, and 6 units from the following:

AGLI 12	Exotic Animal Management
AGLI 14	Swine Production
AGLI 16	Horse Production
AGLI 17	Sheep Production
AGLI 18	Horse Ranch Management
AGLI 19	Horse Hoof Care
AGLI 30	Beef Production
AGPE 70	Pet Shop Management
AGPE 71	Canine Management
AGPE 72	Feline Management
AGPE 73	Tropical and Cold Water Fish Management <u>and</u>
AGPE 74	Reptile Management
AGPE 76	Aviculture – Cage and Aviary Birds

ALTERNATE ROUTE CURRICULUM

This non-certificated program is designed specifically to meet the academic requirements of the State of California Department of Consumer Affairs, Veterinary Medical Board, Registered Veterinary Technician Examining Committee for registration test eligibility under Title 16, Section 2068.5 (Post-Secondary Education and Practical Experience). Students enrolling in this program must possess 36 months (4680 hours) of practical experience under the direct supervision of a California licensed veterinarian.

Students must meet with the Director of the Registered Veterinary Technology Program prior to registering for this program. For an appointment, call (909) 594-5611, ext. 4540 or 4544. Students who do not have the necessary work experience enroll in the Associate in Science in Registered Veterinary Technology Program as described in this handbook.

REQUIRED COURSES:

General:

**Elementary Algebra (Math 51)
General Biology (BIOL 1 or 2)
Chemistry (CHEM 2A)
Anatomy and Physiology of Domestic Animals (AGHE 86)
Veterinary Office Procedures (AGHE 54)
Pharmacology (AGHE 64)**

GENERAL CLASSES MUST BE COMPLETED BEFORE ENROLLING IN THE CLINICAL COURSES.

Clinical:

**Medical Nursing (AGHE 60)
Surgical Nursing (AGHE 61)
Clinical Pathology (AGHE 62A & 62B)
Radiology (AGHE 65)**

Recommended Courses not required by the Board of Examiners:

**Laboratory Animal Medicine (AGHE 79)
Seminar in Animal Health Technology (AGHE 85)**

AGRI-BUSINESS

AGAB 20—MICROCOMPUTER APPLICATIONS IN AGRICULTURE

54 hours lecture.

Advisory Prerequisite: Eligibility for ENGL 68

3 UNITS

Degree Appropriate, CSU, UC

Use of word processing, data base, spreadsheets, and graphic programs for students interested in agricultural business, nursery and landscape, equipment, and farm management.

GENERAL SUBJECTS

AGAG 1 – FOOD PRODUCTION, LAND USE AND POLITICS – A GLOBAL PERSPECTIVE

54 hours lecture.

3 UNITS

Degree Appropriate, CSU, UC

Surveys the world's food producing systems in terms of economic, political and cultural forces. Emphasizes ethical, sustainable food producing agriculture.

AGAG 91—AGRICULTURAL CALCULATIONS

54 hours lecture.

Prerequisite: Eligibility for MATH 51.

3 UNITS

Degree Appropriate

Calculating the proper rates of application of veterinary drugs, fertilizers, irrigation water, farm chemicals and pesticidal materials. Practical field work in calibrating application equipment, plotting production rates and feed conversion, determining proper concentrations and dilutions, and standardizing butterfat and solids non-fat.

ANIMAL SCIENCE - GENERAL

AGAN 1—ANIMAL SCIENCE

54 hours lecture.

3 UNITS

Degree Appropriate, CSU, UC

Fundamental problems and essential concepts of animal production. Includes the study of the types of domestic animals and their utilization by humans.

AGAN 2—ANIMAL NUTRITION

54 hours lecture.

3 UNITS

Degree Appropriate, CSU

Composition of feeds and their utilization by domestic animals, including digestive physiology, animal assessment, feed appraisal and compiling of rations.

AGAN 51—ANIMAL HANDLING AND RESTRAINT

36 hours lecture, 54 hours lab.

3 UNITS

Degree Appropriate, CSU

This course will cover the methods of properly handling large and small animals and will include chemical and physical techniques of restraint.

AGAN 94—ANIMAL BREEDING

54 hours lecture.

3 UNITS

Degree Appropriate

The science of animal breeding, including fundamentals of inheritance, reproduction and breeding systems for domestic animals. Artificial insemination, embryo manipulation and current topics in reproductive biotechnology will also be included.

ANIMAL HEALTH TECHNOLOGY

AGHE 54 - VETERINARY OFFICE PROCEDURES

3 UNITS

54 hours lecture.

Degree Appropriate

Includes veterinary hospital records, client relations, medical terminology, filling of governmental reports, legal responsibilities of animal health technicians and application of veterinary medical ethics.

AGHE 60 - MEDICAL NURSING AND ANIMAL CARE

4 UNITS

54 hours lecture, 54 hours lab.

Degree Appropriate, CSU

Prerequisite: AGLI 95 or AGHE 86 and formal admittance to the Registered Veterinary Technology Program.

Animal examination for health and disease conditions in the animal hospital, including sanitation, administration of medicine, emergency treatment, therapeutic techniques, dental prophylaxis, venipuncture, electro cardiology, application of casts, splints and other appliances. Includes disease, their causes and effects, and immunology of animals.

AGHE 61 - SURGICAL NURSING

4 UNITS

54 hours lecture, 54 hours lab.

Degree Appropriate, CSU

Prerequisite: AGHE 60.

Surgical preparation, surgical assistance, post-operative care, administration and monitor anesthesia, dentistry, CPR, sterilization and the maintenance of a sterile environment.

AGHE 62A - CLINICAL PATHOLOGY

4 UNITS

54 hours lecture, 54 hours lab.

Degree Appropriate, CSU

Prerequisite: AGLI 95 or AGHE 86

Introduces students to the expansive field of clinical pathology. Topics include hematology, clinical chemistries, internal parasites, immunology and serology.

AGHE 62B - CLINICAL PATHOLOGY

4 UNITS

54 hours lecture, 54 hours lab.

Degree Appropriate, CSU

Prerequisite: AGLI 95 or AGHE 86

Introduces students to the expansive field of clinical pathology. Topics include bacteriology, clinical chemistry, urinalysis, external parasites and cytology.

AGHE 64 - VETERINARY PHARMACOLOGY

3 UNITS

54 hours lecture.

Degree Appropriate, CSU

Prerequisite: Formal admittance to Advanced Class Status in the Registered Veterinary Technology Program, and completion of MATH 51 or MATH 51A & B or AGAG 91.

Basic concepts in pharmacological chemistry. Pharmaceuticals and biologics commonly used in the maintenance of animal health. Includes generic terminology, abbreviations for prescriptions, labeling requirements, state and federal laws, classification of materials, weights and measures, drug dosage flow rates, pharmacological mathematics and the metric system, side effects and drug interactions.

AGHE 65 - VETERINARY RADIOGRAPHY

2 UNITS

18 hours lecture, 54 hours lab.

Degree Appropriate, CSU

Prerequisite: AGHE 86 and formal admittance to the Registered Veterinary Technology Program.

Basic concepts and skills of veterinary positioning of canine, feline, avian, reptilian species, and livestock for radiography; processing of the radiograph; self-protection from radiation, basic technique and instrumentation. Emphasizes the performance for the veterinary practitioner in x-ray procedures.

AGHE 79 - LABORATORY ANIMAL MEDICINE AND CARE
36 hours lecture, 54 hours labs.

3 UNITS
Degree Appropriate, CSU

Laboratory animal medicine, care, procedures, and rules and regulations governing laboratory animals.

AGHE 83A, AGHE 83B - WORK EXPERIENCE IN ANIMAL HEALTH

1-3 UNITS
Degree Appropriate

May be taken four times for credit. May be taken for Credit/No Credit only.
90 hours lab.

Prerequisite: Formal admittance and enrollment in the Registered Veterinary Technology Program. Compliance with Work Experience regulations as designated in the College Catalog.

This course is designed to provide majors with actual on-the-job experience in an approved work station which is related to classroom instruction. A minimum of five hours per week of supervised work (minimum 75 paid clock hours or 60 non-paid hours per semester) is required for each one unit of credit. Students who repeat this course will improve skills through further instruction and practice.

AGHE 84A or B - APPLIED ANIMAL HEALTH PROCEDURES

1 UNIT
Degree Appropriate

May be taken two times for credit.
54 hours lab.

Field study course in the collection, handling, and analysis of feces, urine, and blood samples of pet and domestic animals. Practical experience in applied clinical procedures and techniques, including treatments and minor surgical procedures with school domestic farm animals. Experiences with animals will vary due to seasonal changes and different husbandry practices between Fall and Spring semesters. Students who repeat this course will improve skills by further instruction and practice.

AGHE 85 - SEMINAR IN ANIMAL HEALTH TECHNOLOGY

1 UNIT
Degree Appropriate

18 hours lecture.

Prerequisite: Completion of RVT Program or consent of instructor.

Group study course designed to help students with success on their national and state registration examinations. Course includes exposure to the types of questions encountered in registration examinations, question analysis strategies, and review of important anatomical, physiological and nursing concepts.

AGHE 86 – Anatomy and Physiology of Domestic Animals
54 hours lecture, 54 hours lab

4 UNITS
Degree Appropriate, CSU

Prerequisite: Formal admittance to the Registered Veterinary Technology Program.

Analyzes the body structures and systems, comparing domestic animals commonly found in veterinary medicine. The physiology section will emphasize functions of internal organs and body systems.

LIVESTOCK PRODUCTION

AGLI 96 - ANIMAL SANITATION AND DISEASE CONTROL
54 hours lecture

3 UNITS
Degree Appropriate, CSU

Prevention and control of infectious diseases affecting domestic animals, including basic disease concepts, transmission of infectious diseases, principles of sanitation and fundamentals of immunology.

ELECTIVE OPTIONS

AGLI 12 – EXOTIC ANIMAL MANAGEMENT

54 hours lecture.

3 UNITS

Degree Appropriate

Care and management of exotic and alternative livestock species with emphasis on identification, health maintenance, handling techniques, nutrition and reproduction. Includes analysis of industry trends and principal marketing uses of exotic animals.

AGLI 14 - SWINE PRODUCTION

36 hours lecture, 54 hours lab.

3 UNITS

Degree Appropriate, CSU

A study of the various types of swine enterprise and the ways and means of entering them. Includes work in all major areas of swine management including handling, feeding, breeding, farrowing, butchering and marketing. Practical skills are taught by the use of college farm. Required of all animal husbandry majors.

AGLI 16 - HORSE PRODUCTION

54 hours lecture, 54 hours lab.

4 UNITS

Degree Appropriate, CSU, UC

Selection, utilization, and management of the light horse emphasizing recreational aspects of the modern horse. Laboratory work includes actual experience in the care of horse and tack.

AGLI 17 - SHEEP PRODUCTION

36 hours lecture, 54 hours lab.

3 UNITS

Degree Appropriate, CSU

A study of the various types of sheep enterprises and the ways and means of entering them. Includes class, laboratory and project work concerning all phases of sheep management, sheep handling, feeding, shearing, breeding, lambing and marketing. Practical skills taught on the school farm and sheep farms in the area. Required of all animal husbandry majors.

AGLI 18 - HORSE RANCH MANAGEMENT

54 hours lecture, 54 hours lab.

4 UNITS

Degree Appropriate, CSU

Skills and knowledge to work on or manage a modern equine ranch, including management of the breeding farm, farm lay out, estrous cycles, breeding problems and stallion care.

AGLI 19 - HORSE HOOF CARE

18 hours lecture, 54 hours lab.

2 UNITS

Degree Appropriate, CSU

Emphasizes proper horse hoof care; shoeing, trimming and disease recognition and control.

AGLI 30 - BEEF PRODUCTION

36 hours lecture, 54 hours lab.

3 UNITS

Degree Appropriate, CSU

Principles and practices in the selection and management of feeder, market and breeding beef cattle. Economics of production, utilization of farm-grown feeds and feedlot operations will be stressed.

AGPE 70 - PET SHOP MANAGEMENT

54 hours lecture.

3 UNITS

Degree Appropriate

A study of the pet industry, pet shop operations and the economic aspects of the retail/wholesale pet business. Includes topics related to the organization and operation of pet shops, animal husbandry practices for species commonly sold in the industry, and sound business management skills.

AGPE 71 - CANINE MANAGEMENT

36 hours lecture, 54 hours lab.

3 UNITS

Degree Appropriate

Selection, feeding, housing, breeding and management of dogs including commercial aspects of the dog as a domestic pet. Laboratory work will include practical experience in the handling, training and grooming of dogs.

AGPE 72 - FELINE MANAGEMENT

54 hours lecture.

Advisory Prerequisite: Eligibility for ENGL 68.

3 UNITS

Degree Appropriate

Covers the care and management of cats. Includes breed identification and characteristics, grooming and showing, feeding and nutrition, practical care, behavior, breeding, and housing kittens.

***AGPE 73 - TROPICAL AND COLDWATER FISH MANAGEMENT**

36 hours lecture.

***9 week course.**

Advisory Prerequisite: Eligibility for ENGL 68.

2 UNITS

Degree Appropriate

Covers the care and keeping of marine and freshwater aquarium fishes, plants, and invertebrates. Includes guidance on setting up aquariums, choosing compatible species, feeding, health care, breeding and raising fish.

***AGPE 74 - REPTILE MANAGEMENT**

36 hours lecture.

***9 week course.**

Advisory Prerequisite: Eligibility for ENGL 68.

2 UNITS

Degree Appropriate

Covers the care and keeping of reptiles, including snakes, lizards, turtles, tortoises, newts, salamanders, and frogs. Includes identification and characteristics of reptiles commonly kept as pets. Guidance regarding the housing, feeding, health maintenance, breeding, and raising of reptiles will be offered.

AGPE 76 - AVICULTURE - CAGE AND AVIARY BIRDS

54 hours lecture.

3 UNITS

Degree Appropriate

A study of cage and aviary birds which are marketed in the wholesale and retail pet trade including identification, nutrition, breeding, disease prevention and control, aviary construction and providing the proper environment. The course will include information on psittacines, soft bills, finches, game birds and ornamental waterfowl.

*** Courses are nine weeks only.**

GRADUATION REQUIREMENTS 2008/2009

Mt. San Antonio College offers two associate degree programs. The Associate in Science (A.S.) Degree is designed for students with vocational majors while the Associate in Arts (A.A.) Degree is designed for students planning to transfer and seek a baccalaureate degree. The requirements listed below are for the 2008/2009 academic year and are based upon information available at the time of catalog publication.

Both degrees require 60 units and a letter grade of "C" or better in each required course. The general education requirements are the same for both degrees except for the mathematics competency. The Associate in Arts degree requires 56 of the associate degree units to be transferable as applicable to the baccalaureate degree.

Students are advised to contact the Advising Center regarding the most current information regarding graduation and transfer requirements.

ASSOCIATE DEGREE GRADUATION REQUIREMENTS

***General Education Requirements:**

The General Education Requirements listed below PLUS the specific requirements for an A.S. Degree are listed below.

AREA A: Communication in the English Language – Two (2) courses, six (6) units. ENGL 1A or 1AH – Freshman Composition and SPCH 1A or 1AH – Public Speaking.

AREA B: The Physical Universe and Life – One (1) course, three (3) units from Physical Sciences or Life Sciences.

AREA C: Arts and Humanities – Two (2) courses, six (6) units. At least one (1) course from Arts and one (1) course from Humanities.

AREA D: Social, Political and Economic Institutions – Six (6) units. Select one (1) course from U.S. History and American Institutions and at least (1) course from Elective Courses.

AREA E: Lifelong Understanding and Self-Development – Three (3) units. Select one (1) course from the list.

Physical Well-Being Requirements: Students are required to complete at least one (1) physical education activity course from prefixes DNCE, PE-A, PE-F, PE-I, PE-L, PE-S, or PE-X with a grade of "C" or better, or "CR".

****For a listing of courses satisfying Areas A, B, C, D and E, see General Education Requirements***

Associate in Science Degree (A.S)

Sixty (60) associate degree appropriate units with a grade of “C” or higher.

General Education Requirements: At least 24 units are required which shall include courses in each of the General Education areas, A through E. All courses must be completed with a grade of “C” or better.

Physical Well-Being Requirement: Complete at least one of the physical education activity courses with the following prefixes: DNCE, PE-A, PE-F, PE-I, PE-L, PE-S, PE-X with a grade of “C” or better or “CR”.

Reading Competency: This requirement is met by completing one of the following with a grade of “C” or better:

READ 90 Preparing for College Reading
AMLA 33R American Language Advanced Reading

or obtaining placement into READ 100 on initial Reading Placement exam, or obtaining a satisfactory score on the Reading Competency Test.

Math Competency: This requirement is met by completing one of the following with a grade of “C” or better.

1. Math 71 Intermediate Algebra, or
 Math 71B Intermediate Algebra – second half
 OR
2. Completing a more advanced college level mathematics course.
 OR
3. Obtaining a satisfactory score on the Intermediate Algebra Competency Examination.

Petitioning for Graduation

All students must file a petition for graduation with the Admissions and Records office and have on file all required documents and transcripts. The deadline dates are on or about March 31st for Spring and Summer graduation and on or about October 31st for Fall graduation. Students also have the option of filing a graduation petition one semester prior to completing all coursework. Please check the *Schedule of Credit Classes* for further information.

Multiple Degrees

The Associate in Science degree shall be awarded to those graduates who majored in one of the occupational programs at Mt. San Antonio College. Students may be awarded one Associate in Arts degree and multiple Associate in Science degrees. Each additional Associate in Science degree requires 20 units of course work beyond the 60 units required for the first degree, including the satisfactory completion of all the required courses of the second major. Students awarded additional degrees must meet or complete the current general education requirements in effect at the time of re-entry.

Residency Requirement

The Residency Requirement for Mt. San Antonio College can be met in either of two ways: (1) twelve (12) units in residence and enrollment at Mt. San Antonio College in the last semester or (2) forty-five (45) units in residence, if the last semester is not at Mt. San Antonio College.

GENERAL EDUCATION REQUIREMENTS

Philosophy Statement

General education is the distinguishing feature of higher education. It is broadly-based core of humanistic knowledge and abilities, the acquisition of which is the distinctive characteristic of the educated person. General education courses emphasize the ability to reason, to examine issues from different perspectives, to challenge authority, and to communicate ideas logically and confidently. They instill open-mindedness, respect for differences among people, and knowledge of self. By exposing students to different fields of study, general education courses provide an understanding of the human condition and of human accomplishments and encourage a lifelong interest in learning.

Together with other Mt. San Antonio College degree requirements, the general education component of the associate degree prepares students to:

- transfer to and function successfully in a baccalaureate degree granting institution;
- enter the work force as a competent, productive citizen;
- live a richer, more rewarding life.

General education courses are not primarily skills-based, nor are they limited to, or more appropriate for, majors in a specialized field of study. Courses that fulfill general education requirements must:

1. Require post-secondary level skills in reading, writing, quantitative reasoning and critical thinking.
2. Improve students' abilities to:
 - communicate oral and written ideas effectively;
 - define problems, design solutions, critically analyze results;
 - use available media to access and retrieve reliable information for data gathering and research;
 - work effectively, both cooperatively and independently;
 - Work independently;
 - develop and question personal and societal values, make informed choices, and accept responsibility for their decisions;
 - function as active, responsible, ethical citizens;
 - acquire the curiosity and skills essential for lifelong learning.
3. Impart understanding, knowledge, and appreciation of:
 - our shared scientific, technological, historical, and artistic heritage, including the contributions of women, ethnic minorities, and non-western cultures;
 - the earth's ecosystem, including the processes that formed it and the strategies that are necessary for its maintenance;
 - human social, political, and economic institutions and behavior, including their interrelationships;
 - the psychological, social and physiological dimensions of men and women as individuals and as members of society.

Courses that fulfill general education requirements must fall into one of the content categories listed below:

- A. Communication and Critical Thinking
- B. Science and Math
- C. Arts and Humanities
- D. Social Sciences
- E. Lifelong Understanding and Self-Development

Criteria for inclusion in each of the above categories are itemized below:

A. Communication and Critical Thinking

These courses emphasize both the content and form of communication. They teach students the relationship of language to logic, as well as how to analyze, criticize, and advocate ideas, to reason deductively and inductively, and to reach sound conclusions. Courses fulfilling this requirement:

- **provide understanding of the psychological and social significance of communication;**
- **illustrate how communication operates in various situations;**
- **focus on communication from the rhetorical perspective: reasoning, advocacy, organization, accuracy; the discovery, critical evaluation, and reporting of information; reading, listening, speaking, and writing effectively;**
- **provide active participation and practice in written and oral communication.**

B. Science and Mathematics

These courses impart knowledge about living and non-living systems, and mathematical concepts and quantitative reasoning with applications. Courses fulfilling this requirement:

- **promote understanding and appreciation of the methodologies and tools of science;**
- **emphasize the influence of scientific knowledge on the development of civilization;**
- **impart appreciation and understanding of basic concepts, not just skills;**
- **offer specific inquiry into mathematical concepts, quantitative reasoning and application. (See Mt. SAC degree competency requirements.)**

C. Humanities

These courses cultivate intellect, imagination, sensibility and sensitivity. They encourage students to respond subjectively as well as objectively, and to develop a sense of the integrity of emotional and intellectual responses. Courses fulfilling this requirement:

- **study great work of the human imagination;**
- **increase awareness and appreciation of the traditional humanistic disciplines such as art, dance, drama, literature, and music;**
- **impart an understanding of the interrelationship between creative art, the humanities, and the self;**
- **provide exposure to both Western and non-Western cultures;**
- **may include a foreign language course that contains a cultural component as opposed to a course that focuses on skills acquisition.**

D. Social Sciences

These courses explore, at the micro and macro-level, the social, political, and economic institutions that underpin society. Courses fulfilling these requirements:

- **promote understanding and appreciation of social, political, and economic institutions;**
- **probe the relationship between these institutions and human behavior;**
- **examine these institutions in both their historical and contemporary context;**
- **include the role of, and impact on, non-white ethnic minorities and women;**
- **include both western and non-western settings.**

E. Lifelong Understanding and Self-Development

These courses facilitate an understanding of human beings as integrated physiological, social and psychological organisms. Courses fulfilling this requirement:

- **provide selective consideration of human behavior, sexuality, nutrition, health, stress, implications of death and dying, and the relationship of people to the social and physical environment.**

GENERAL EDUCATION REQUIREMENTS FOR 2008-2009

AREA A: Communication in the English Language (6 units):

Select two (2) courses from the following:

ENGL 1A	Freshman Composition, <u>or</u>
ENGL 1AH	Freshman Composition – Honors
	<u>and</u>
SPCH 1A	Public Speaking, <u>or</u>
SPCH 1AH	Public Speaking – Honors

AREA B: The Physical Universe and Life (3 units):

Select one (1) course from the Physical Sciences or Life Sciences:

Physical Sciences

ASTR 5	Introduction to Astronomy
ASTR 5L	Astronomical Observing Laboratory
ASTR 7	Geology of the Solar System
ASTR 8	Introduction to Stars, Galaxies, and the Universe
CHEM 10	Chemistry for Allied Health Majors
CHEM 20	Introductory Organic and Biochemistry
CHEM 40	Introduction to General Chemistry
CHEM 50	General Chemistry I
CHEM 50H	General Chemistry I - Honors
CHEM 51	General Chemistry II
GEOG 1	Elements of Physical Geography
GEOG 1L	Physical Geography Laboratory
GEOG 1H	Elements of Physical Geography – Honors
GEOG 1H	Physical Geography Laboratory – Honors
GEOL 1	Physical Geology
GEOL 7	Geology of California
GEOL 8	Earth Science
GEOL 8H	Earth Science – Honors
GEOL 8L	Earth Science Laboratory
GEOL 9	Environmental Geology
GEOL 10	Natural Disasters
GEOL 13	Evolution of the Earth
METO 3	Weather and the Atmospheric Environment
METO 3L	Weather and the Atmospheric Environment Laboratory
OCEA 10	Introduction to Oceanography
OCEA 10H	Introduction to Oceanography – Honors
OCEA 10L	Introduction to Oceanography – Laboratory
PHSC 7	Physical Science
PHSC 7L	Physical Science Lab
PHYS 1	Physics
PHYS 2AG	General Physics
PHYS 2BG	General Physics
PHYS 4A	Engineering Physics

* Courses may not be double counted to satisfy more than one area, even if a course is listed in more than one area.

Life Sciences

AGOR 1	Horticultural Science
ANAT 10A	Introductory Human Anatomy
ANAT 10B	Introductory Human Physiology
ANAT 35	Human Anatomy
ANAT 36	Human Physiology
ANTH 1	Biological Anthropology
ANTH 1H	Biological Anthropology – Honors
ANTH 1L	Biological Anthropology Laboratory
BIOL 1	General Biology
BIOL 2	Plant and Animal Biology
BIOL 3	Ecology and Field Biology
BIOL 4	Biology for Majors
BIOL 4H	Biology for Majors – Honors
BIOL 6	Humans and the Environment
BIOL 6L	Humans and the Environment Laboratory
BIOL 17	Neurobiology and Behavior
BIOL 20	Marine Biology
BIOL 21	Marine Biology Laboratory
MICR 1	Principles of Microbiology
MICR 22	Microbiology
PSYC 1B	Biological Psychology

AREA C: Arts and Humanities (6 units):

Select two (2) courses, six (6) units minimum, with at least one (1) course from the Arts and one (1) from Humanities:

Arts

AHIS 1	Understanding the Visual Arts, <u>or</u>
ARTB 1	Understanding the Visual Arts
AHIS 1H	Understanding the Visual Arts – Honors
AHIS 2	Topics in Visual Art and Culture
AHIS 2H	Topics in Visual Art and Culture – Honors
AHIS 3	History of Women and Gender in Art
AHIS 3H	History of Women and Gender in Art - Honors
AHIS 4	History of Western Art: Prehistoric Through Gothic
AHIS 4H	History of Western Art: Prehistoric Through Gothic – Honors
AHIS 5	History of Western Art: Renaissance Through Modern
AHIS 5H	History of Western Art: Renaissance Through Modern – Honors
AHIS 6	History of Modern Art
AHIS 6H	History of Modern Art - Honors
AHIS 9	History of Asian Art
AHIS 10	A History of Greek and Roman Art and Architecture
AHIS 11	History of African, Oceanic, and Native American Art
AHIS 12	History of Pre-Columbian Art
AHIS 12H	History of Pre-Columbian Art – Honors
ARCH 31	World Architecture I
ARCH 32	World Architecture II
ARTB 14	Basic Studio Arts
ARTD 15A	Drawing: Beginning
ARTD 20	Design: Two Dimensional
ARTD 25A	Painting: Beginning

Arts (*continued*)

ARTG 20	Art, Artists and Society
ARTS 22	Design: Three Dimensional
ARTS 30A	Ceramics: Beginning
ARTS 40A	Sculpture: Beginning
DN-T 20	History and Appreciation of Dance
ID 180	History of Interior Architecture and Furnishings 1
MUS 7	Fundamentals of Music
MUS 11A	Music Literature Survey
MUS 11B	Music Literature Survey
MUS 12	History of Jazz
MUS 13	Introduction to Music Appreciation
MUS 13H	Introduction to Music Appreciation – Honors
MUS 14A	World Music
MUS 14B	American Folk Music
MUS 15	Rock Music History and Appreciation
PHOT 15	History of Photography
SPCH 4	Oral Interpretation of Literature
THTR 9	Introduction to Theatre Arts
THTR 10	History of Theatre Arts
THTR 11	Principles of Acting 1

Humanities

CHIN 1	Beginning Chinese
CHIN 2	Continuing Elementary Chinese
CHIN 3	Intermediate Chinese
CHIN 4	Continuing Intermediate Chinese
ENGL 1B	English – Introduction to Literary Types
ENGL 1BH	English – Introduction to Literary Types – Honors
FRCH 1	Elementary French
FRCH 2	Continuing Elementary French
FRCH 3	Intermediate French
FRCH 4	Continuing Intermediate French
FRCH 5	Advanced French
FRCH 6	Continuing Advanced French
FRCH 60	French Culture Through Cinema
GERM 1	Elementary German
GERM 2	Continuing Elementary German
GERM 3	Intermediate German
*HIST 1	History of the U.S.
*HIST 3	History of World Civilization
*HIST 3H	History of World Civilization – Honors
*HIST 4	History of World Civilization
*HIST 4H	History of World Civilization – Honors
*HIST 7	History of the U.S.
*HIST 7H	History of the U.S. – Honors
*HIST 8	History of the U.S.
*HIST 8H	History of the U.S. – Honors
*HIST 10	History of Asia
*HIST 11	History of Asia
*HIST 19	History of Mexico
*HIST 30	History of the African American
*HIST 31	History of the African American

* Courses may not be double counted to satisfy more than one area, even if a course is listed in more than one area.

Humanities (*continued*)

*HIST 35	History of Africa
*HIST 36	Women in American History – Beyond the Stereotypes
*HIST 39	California History
*HIST 40	History of the Mexican American
HUMA 1	The Humanities
ITAL 1	Elementary Italian
ITAL 2	Continuing Elementary Italian
ITAL 3	Intermediate Italian
ITAL 4	Continuing Intermediate Italian
ITAL 5	Advanced Italian
ITAL 6	Continuing Advanced Italian
ITAL 60	Italian Culture Through Cinema
JAPN 1	Elementary Japanese
JAPN 2	Continuing Elementary Japanese
JAPN 3	Intermediate Japanese
JAPN 4	Continuing Intermediate Japanese
JAPN 5	Advanced Japanese
LATN 1	Elementary Latin
LATN 2	Continuing Elementary Latin
LIT 1	Early American Literature
LIT 2	Modern American Literature
LIT 6A	Survey of English Literature
LIT 6B	Survey of English Literature
LIT 11A	World Literature
LIT 11B	World Literature
LIT 14	Introduction to Modern Poetry
LIT 15	Introduction to Cinema
LIT 20	African American Literature
LIT 25	Contemporary Mexican American Literature
LIT 33	Images of Women in Literature
LIT 35	Science Fiction and Fantasy Survey
LIT 36	Introduction to Mythology
LIT 40	Children's Literature
LIT 46	The Bible as Literature: Old Testament
LIT 47	The Bible as Literature: New Testament
PHIL 5	Introduction to Philosophy
PHIL 5H	Introduction to Philosophy – Honors
PHIL 12	Ethics
PHIL 12H	Ethics – Honors
PHIL 15	Major World Religions
PHIL 15H	Major World Religions – Honors
PHIL 20A	History of Western Philosophy
PHIL 20B	History of Western Philosophy
SIGN 101	American Sign Language I
SIGN 102	American Sign Language 2
SIGN 103	American Sign Language 3
SIGN 104	American Sign Language 4
SIGN 202	American Deaf Culture
SPAN 1	Elementary Spanish
SPAN 2	Continuing Elementary Spanish
SPAN 3	Intermediate Spanish
SPAN 4	Continuing Intermediate Spanish
SPAN 11	Spanish for the Spanish Speaking
SPAN 12	Continuing Spanish for the Spanish Speaking
SPAN 25	Spanish Literature

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AREA D:

Social, Political and Economic Institutions (6 units):

U.S. History and American Institutions

Select one (1) course from the following:

*HIST 1	History of the U.S.
*HIST 7	History of the U.S.
*HIST 7H	History of the U.S. – Honors
*HIST 8	History of the U.S.
*HIST 8H	History of the U.S. – Honors
*HIST 30	History of the African American
*HIST 31	History of the African American
*HIST 36	Women in American History – Beyond the Stereotypes
*HIST 40	History of the Mexican American
POLI 1	Political Science
POLI 1H	Political Science – Honors
POLI 25	Politics of the Mexican American
POLI 35	African American Politics

Elective Courses – select at least one (1) course from the following list (3 units):

AGAG 1	Food Production, Land Use and Politics – A Global Perspective
AGFR 20	Conservation of Natural Resources
ANTH 3	Archaeology
ANTH 5	Principles of Cultural Anthropology
ANTH 22	General Cultural Anthropology
ANTH 30	The Native American
BUSC 1A	Principles of Economics – Macroeconomics
BUSC 1AH	Principles of Economics – Macroeconomics – Honors
BUSC 1B	Principles of Economics – Microeconomics
BUSC 1BH	Principles of Economics – Microeconomics – Honors
CHLD 1	Child, Family, School and Community
CHLD 10	Child, Growth and Development
CHLD 10H	Child Growth and Development – Honors
GEOG 2	Human Geography
GEOG 2H	Human Geography - Honors
GEOG 5	World Regional Geography
GEOG 8	The Urban World
GEOG 30	Geography of California
*HIST 3	History of World Civilization
*HIST 3H	History of World Civilization – Honors
*HIST 4	History of World Civilization
*HIST 4H	History of World Civilization – Honors
*HIST 10	History of Asia
*HIST 11	History of Asia
*HIST 19	History of Mexico
*HIST 35	History of Africa
*HIST 39	California History
*HIST 44	History of Native Americans
JOUR 100	Mass Media and Society
JOUR 107	Race, Culture, Sex, and Mass Media Images

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Elective Courses (*continued*)

POLI 2	Political Science
POLI 5	Political Science Theory
POLI 9	Introduction to International Relations
PSYC 1A	Introduction to Psychology
PSYC 1AH	Introduction to Psychology – Honors
PSYC 14	Developmental Psychology
PSYC 19	Abnormal Psychology
*PSYC 25	The Psychology of Women
SOC 1	Sociology
SOC 1H	Sociology – Honors
SOC 2	Sociology
SOC 2H	Sociology – Honors
SOC 4	Introduction to Gerontology
SOC 5	Introduction to Criminology
SOC 14	Marriage and the Family
SOC 15	Child Development
SOC 20	Sociology of Ethnic Relations
SOC 20H	Sociology of Ethnic Relations – Honors
SPCH 7	Intercultural Communication
SPCH 26	Interpersonal Communication
SPCH 26H	Interpersonal Communication – Honors

AREA E:

Lifelong Understanding and Self-Development 3 units):

Select one (1) course from the following:

AD 3	Chemical Dependency, Intervention Treatment and Recovery
BIOL 5	Contemporary Health Issues
BIOL 13	Human Reproduction, Development and Aging
BIOL 15	Human Sexuality
BIOL 15H	Human Sexuality – Honors
CHLD 10	Child Growth and Development
*CHLD 10H	Child Growth and Development - Honors
*COUN 5	Career/Life Planning
FCS 41	Life Management
LEAD 55	Exploring Leadership
NF 10	Nutrition for Personal Health and Wellness
NF 25	Essentials of Nutrition
NF 25H	Essentials of Nutrition – Honors
NF 28	Cultural and Ethnic Foods
PE 34	Fitness for Living
PSYC 14	Developmental Psychology
*PSYC 25	The Psychology of Women
PSYC 26	Psychology of Sexuality
PSYC 33	Psychology for Effective Living

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