

PROGRAMS OF STUDY LEADING TO AN ASSOCIATE IN SCIENCE DEGREE

Accounting	2	Fire Technology	39
Administrative Assistant	3	Fire Technology – Administrative Law	40
Agri-Technology	4	General Business	41
Air Conditioning and Refrigeration	5	Graphic Design	42
Airframe and Aircraft Powerplant Maintenance Technology – Day	6	Histologic Technician Training	43
Airframe and Aircraft Powerplant Maintenance Technology – Evening	8	Horse Ranch Management	44
Alcohol/Drug Counseling	9	Hospitality and Restaurant Management	45
Animation	11	Human Resource Management	46
Applied Laboratory Science Technology	12	Integrated Pest Management	47
Architectural Technology – Design Concentration	13	Interior Design	48
Architectural Technology – Technology Concentration	14	Interior Design – Kitchen and Bath Design	49
Aviation Science	15	International Business	50
Building Automation	16	Law Enforcement	51
Business: Management	17	Licensed Vocational Nurse to RN	52
Business: Retail Management	18	Livestock Management	55
Child Development	19	Manufacturing Technology	56
Commercial Flight	20	Marketing Management	57
Computer and Networking Technology	21	Mental Health Technology – Psychiatric Technician	58
Computer Graphics Design/Photography	22	Nursing	60
Computer Network Administration and Security Management	23	Ornamental Horticulture	63
Computer Programmer – Database Management Systems	24	Paralegal/Legal Assistant	64
Computer Programming	25	Park & Sports Turf Management	65
Construction Inspection	26	Pet Science	66
Correctional Sciences	27	Photography	67
Educational Paraprofessional	28	Physical Education	68
Electronics and Computer Engineering Technology	29	Psychiatric Technician to RN	69
Emergency Medical Services	30	Radio Broadcasting: Behind the Scenes	72
Engineering Design Technology	33	Radio Broadcasting: On the Air	73
Equipment Technology	34	Radiologic Technology	74
Escrow Management	35	Real Estate	77
Family and Consumer Sciences	36	Real Estate Appraisal	78
Fashion Design	37	Registered Veterinary Technology	79
Fashion Merchandising	38	Respiratory Therapy	81
		Sign Language/Interpreting	84
		Small Business Management	85
		Television Production	86
		Welding	87

Accounting

ACCOUNTING AND MANAGEMENT DEPARTMENT

MAJOR S0502

Students preparing to become professional accountants should follow the Business Administration course for a four-year college or university. The following is semi-professional training for those who seek employment in bookkeeping or accounting positions at the end of two years.

Requirements for the Major

Required courses:

BUSA 7	Principles of Accounting - Financial	5.0	CSU,UC
BUSA 8	Principles of Accounting - Managerial	5.0	CSU,UC
BUSA 21	Cost Accounting	4.0	
BUSA 52	Intermediate Accounting	3.0	
BUSA 53	Ten-Key Calculations, <i>or</i>	2.0	
BUSA 81	Work Experience in Accounting	1.0	
BUSA 58	Federal Income Tax Law	3.0	
BUSA 70	Payroll and Tax Accounting	3.0	
BUSA 75	Using Microcomputers in Financial Accounting, <i>or</i>	1.0	
BUSA 81	Work Experience in Accounting	1.0	
BUSA 76	Using Microcomputers in Managerial Accounting, <i>or</i>	1.0	
BUSA 81	Work Experience in Accounting	1.0	
BUSM 20	Principles of Business	3.0	CSU,UC
BUSO 25	Business Communications	3.0	CSU
CISB 15	Microcomputer Applications	4.0	CSU,UC

TOTAL UNITS 36.0 - 37.0

Administrative Assistant

COMPUTER INFORMATION SYSTEMS DEPARTMENT

MAJOR S0514

This program is intended to prepare students for employment following graduation as administrative assistants, executive assistants, office managers, or other clerical and support staff. Training in a variety of computer and clerical skills is emphasized. Students desiring a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required core courses:

BUSO 5	Business English	3.0	
BUSO 25	Business Communications	3.0	CSU
BUSO 26	Oral Communications for Business	3.0	
CISB 15	Microcomputer Applications	4.0	CSU,UC
CISB 31	Microsoft Word	3.0	
CISB 51	Microsoft PowerPoint	3.0	CSU
CISI 12	Intermediate Computer Keyboarding	3.0	
CISI 41	Office Management Skills	3.0	

PLUS

Select one (1) course from:

CISB 61	Desktop Publishing Software	3.0	
CISI 21	Data Entry	3.0	
CISW 15	Web Site Development	4.0	CSU

TOTAL UNITS 28.0-29.0

Agri-Technology

AGRICULTURAL SCIENCES DEPARTMENT

MAJOR S0101

The program of courses in Agriculture is designed to enable students to prepare for a career in this essential and diverse profession. The department offers a comprehensive Agricultural Sciences program and is unique in that most courses provide hands-on experiences designed to give the student a combination of practical skills and technical knowledge. Students who intend to transfer should check the lower division requirements in the catalog of the college or university which they will attend and also the semester and year in which the courses are offered.

The following programs list all courses needed to satisfy major requirements. Students may obtain certificates upon completion of required courses listed. Additional courses needed for completion of the Associate in Science degree are listed in this catalog. It is recommended that all students consult with the department chairperson, faculty advisor, or counselor to file an educational plan.

These programs are intended to prepare students for employment following graduation. Students desiring a bachelor's degree (transfer program) should consult with the department chairperson, counselor or advisor to discuss transferability of courses. The curriculum is flexible in nature to allow for previous experience and specialization in a given area of agriculture and agricultural business.

Requirements for the Major

Required courses:

AGAB 20	Microcomputer Applications in Agriculture	3.0	CSU,UC
AGAG 1	Food Production, Land Use and Politics - A Global Perspective	3.0	CSU,UC
AGAG 91	Agricultural Calculations	3.0	
AGAN 1	Animal Science	3.0	CSU,UC
AGOR 1	Horticultural Science	3.0	CSU
AGOR 32	Landscaping and Nursery Management	3.0	CSU
AGOR 56	Engine Diagnostics	3.0	CSU
AGOR 71	Landscape Construction Fundamentals	3.0	CSU

PLUS

Select one course from:

AGFR 20	Conservation of Natural Resources	3.0	CSU,UC
AGLI 14	Swine Production	3.0	CSU
AGLI 16	Horse Production	4.0	CSU,UC
AGLI 17	Sheep Production	3.0	CSU
AGLI 30	Beef Production	3.0	CSU
AGOR 24	Integrated Pest Management	3.0	CSU
AGOR 62	Landscape Irrigation - Design and Installation	3.0	CSU
AGPE 70	Pet Shop Management	3.0	
AGPE 71	Canine Management	3.0	

TOTAL UNITS 33.0 - 34.0

Air Conditioning and Refrigeration

AIR CONDITIONING, WATER & WELDING TECHNOLOGIES

MAJOR S0909

This program is designed to prepare the student for employment in the broad field of air conditioning, heating and refrigeration and leads to occupations in design, manufacturing, operation, sales, distribution, installation, maintenance and repair. Students desiring a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

AIRC 10	Technical Mathematics in Air Conditioning and Refrigeration	2.0
AIRC 11	Welding for Air Conditioning and Refrigeration	2.0
AIRC 12	Air Conditioning Codes and Standards	3.0
AIRC 20	Refrigeration Fundamentals	4.0
AIRC 25	Electrical Fundamentals for Air Conditioning and Refrigeration	4.5
AIRC 26	Gas Heating Fundamentals	2.0
AIRC 30	Heat Load Calculations	3.0
AIRC 31	Commercial Electrical for Air Conditioning and Refrigeration	4.0
AIRC 32A	Air Properties and Measurement	1.5
AIRC 32B	Air Distribution Systems	1.5
AIRC 34	Advanced Mechanical Refrigeration	4.0
TOTAL UNITS		31.0

Airframe and Aircraft Powerplant Maintenance Technology-Evening

AIRCRAFT MAINTENANCE TECH & MANUFACTURING DEPT.

MAJOR S0951

This program prepares students to enter employment as a certified airframe and powerplant technician in the aircraft maintenance industry. Training is given in the overhaul of various airframes and powerplants and their components. Completion of this program leads to an Associate in Science degree. Two state-awarded certificates are also available upon successful completion of this program - one certificate in Airframe Maintenance Technology and one certificate in Aircraft Powerplant Maintenance Technology. Excellent opportunities for employment exist in this area of training. Certain administrative, quality control, and flight personnel careers require the applicant to hold a valid A & P Certificate.

This program offers a day (full-time) or evening (part-time) program option. The only difference between the two options is the course numbering and time required to complete the program. Day program courses AIRM 65A and 65B are equivalent to evening program courses AIRM 95A, 95B, 96A, 96B, 97A, 97B, 98A, and 98B. Day program courses AIRM 66A and 66B are equivalent to evening program courses AIRM 90A, 90B, 91A, 91B, 92A, 92B, 93A, and 93B. The evening program courses are offered in 9-week modules.

Successful completion of this program enables students to take the FAA examinations in Airframe, General, and Powerplant. Passing the General Exam plus the Airframe and/or Powerplant Exam provides certification as an Aircraft Maintenance Technician, which is required for employment in this field. Students desiring a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

AIRM 70A	Aircraft Maintenance Electricity and Electronics	3.0
AIRM 70B	Aircraft Maintenance Electricity and Electronics	3.0
AIRM 71	Aviation Maintenance Science	6.0
AIRM 72	Aviation Materials and Processes	1.5
AIRM 73	Aviation Welding	1.5
AIRM 90A	Airframe Maintenance Technology	3.0
AIRM 90B	Airframe Maintenance Technology	3.0
AIRM 91A	Airframe Maintenance Technology	3.0
AIRM 91B	Airframe Maintenance Technology	3.0
AIRM 92A	Airframe Maintenance Technology	3.0
AIRM 92B	Airframe Maintenance Technology	3.0
AIRM 93A	Airframe Maintenance Technology	3.0
AIRM 93B	Airframe Maintenance Technology	3.0
AIRM 95A	Aircraft Powerplant Maintenance Technology	3.0
AIRM 95B	Aircraft Powerplant Maintenance Technology	3.0
AIRM 96A	Aircraft Powerplant Maintenance Technology	3.0
AIRM 96B	Aircraft Powerplant Maintenance Technology	3.0
AIRM 97A	Aircraft Powerplant Maintenance Technology	3.0
AIRM 97B	Aircraft Powerplant Maintenance Technology	3.0
AIRM 98A	Aircraft Powerplant Maintenance Technology	3.0
AIRM 98B	Aircraft Powerplant Maintenance Technology	3.0

TOTAL UNITS **63.0**

Recommended Electives:

AIRM 74	Aircraft Maintenance Technology - Work Experience
AIRM 80	Lab Studies in Aircraft Maintenance Technology
AIRM 81	Lab Studies in Aircraft Maintenance Technology

EDT 12	Technical Engineering Drawing II
ELEC 90	Survey of Electronics
MFG 70	Technical Mathematics - Manufacturing Applications
PHYS 1	Physics

Airframe and Aircraft Powerplant Maintenance Technology-Day

AIRCRAFT MAINTENANCE TECH & MANUFACTURING DEPT.

MAJOR S0911

This program prepares students to enter employment as a certified airframe and powerplant technician in the aircraft maintenance industry. Training is given in the overhaul of various airframes and powerplants and their components. Completion of this program leads to an Associate in Science degree. Two state-awarded certificates are also available upon successful completion of this program - one certificate in Airframe Maintenance Technology and one certificate in Aircraft Powerplant Maintenance Technology. Excellent opportunities for employment exist in this area of training. Certain administrative, quality control, and flight personnel careers require the applicant to hold a valid A & P Certificate.

This program offers a day (full-time) or evening (part-time) program option. The only difference between the two options is the course numbering and time required to complete the program. Day program courses AIRM 65A and 65B are equivalent to evening program courses AIRM 95A, 95B, 96A, 96B, 97A, 97B, 98A, and 98B. Day program courses AIRM 66A and 66B are equivalent to evening program courses AIRM 90A, 90B, 91A, 91B, 92A, 92B, 93A, and 93B. The evening program courses are offered in 9-week modules.

Successful completion of this program enables students to take the FAA examinations in Airframe, General, and Powerplant. Passing the General Exam plus the Airframe and/or Powerplant Exam provides certification as an Aircraft Maintenance Technician, which is required for employment in this field. Students desiring a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

AIRM 65A	Aircraft Powerplant Maintenance Technology	13.0	CSU
AIRM 65B	Aircraft Powerplant Maintenance Technology	13.0	
AIRM 66A	Airframe Maintenance Technology	13.0	CSU
AIRM 66B	Airframe Maintenance Technology	13.0	
AIRM 70A	Aircraft Maintenance Electricity and Electronics	3.0	
AIRM 70B	Aircraft Maintenance Electricity and Electronics	3.0	
AIRM 71	Aviation Maintenance Science	6.0	
AIRM 72	Aviation Materials and Processes	1.5	
AIRM 73	Aviation Welding	1.5	
TOTAL UNITS		67.0	

Recommended Electives:

AIRM 74	Aircraft Maintenance Technology - Work Experience
AIRM 80	Lab Studies in Aircraft Maintenance Technology
EDT 12	Technical Engineering Drawing II
ELEC 90	Survey of Electronics
MFG 70	Technical Mathematics - Manufacturing Applications
PHYS 1	Physics

Alcohol/Drug Counseling

PUBLIC SERVICES DEPARTMENT

MAJOR S2101

In this program the student integrates theory and practical experience in developing skills necessary to work with the alcohol and drug abuse population as well as families and employers of chemically-dependent persons. The curriculum is designed to meet the credentialing requirements of the California Association of Alcohol/Drug Educators. Students who complete this option qualify for employment in a variety of chemical-dependant settings.

Requirements for the Major

Required core courses:

AD 1	Alcohol/Drug Dependency	3.0	CSU
AD 2	Physiological Effects of Alcohol/Drugs	3.0	CSU
AD 3	Chemical Dependency: Intervention, Treatment and Recovery	3.0	CSU
AD 4	Issues in Domestic Violence	3.0	
AD 5	Chemical Dependency: Prevention and Education	1.5	CSU
AD 6	Dual Diagnosis	3.0	CSU

Required skilled courses:

AD 8	Group Process and Leadership	3.0	
AD 9	Family Counseling	3.0	
AD 10	Client Record and Documentation	1.5	
AD 11	Techniques of Intervention and Referral	3.0	

Required field work courses:

AD 13	Internship/Seminar	4.0	CSU
AD 14	Advanced Internship/Seminar	4.0	CSU

PLUS

Select six (6) units from:

CHLD 10	Child Growth and Development, <i>or</i>	3.0	CSU,UC
CHLD 10H	Child Growth and Development - Honors	3.0	CSU,UC
PSYC 1A	Introduction to Psychology, <i>or</i>	3.0	CSU,UC
PSYC 1AH	Introduction to Psychology - Honors	3.0	CSU,UC
PSYC 19	Abnormal Psychology	3.0	CSU,UC
SOC 1	Sociology, <i>or</i>	3.0	CSU,UC
SOC 1H	Sociology - Honors	3.0	CSU,UC
SOC 14	Marriage and the Family	3.0	CSU,UC
SOC 15	Child Development	3.0	CSU,UC

TOTAL UNITS 41.0

Eligibility Requirements and Selection Procedures

Eligibility Requirements:

- File a College application and be accepted as a student at Mt. San Antonio College.
- Selection Procedures All classes are open to all students who meet admission requirements and course prerequisites.

Special Instructions:

- Restricted Electives must be taken prior to enrollment in Field Experience
- Restricted Electives can be taken in conjunction with core and skills courses
- Refer to Schedule of Credit Classes for sequence of courses
- For questions, call the division office at (909) 594-5611, ext. 4750

Working environment:

- May be exposed to infectious and contagious disease, without prior notification
- May be exposed to the risk of blood borne diseases
- Exposed to hazardous agents, body fluids and wastes
- Exposed to odorous chemicals and specimens
- Subject to hazards of flammable, explosive gases
- Subject to burns and cuts
- Contact with patients having different religious, culture, ethnicity, race, sexual orientation, psychological and physical disabilities, and under a wide variety of circumstances
- Handle emergency or crisis situations
- Subject to many interruptions
- Requires decisions/actions related to end of life issues
- Exposed to products containing latex
- Exposure to a highly charged emotional environment which can be stressful intense

English Language Skills:

Although proficiency in English is not a criteria for admission into the Alcohol/Drug Counseling Program, students are encouraged to be able to speak, write and read English to complete classes successfully and to ensure safety for themselves and for others.

Animation

COMMERCIAL AND ENTERTAINMENT ARTS

MAJOR S1006

The Animation Program offers an integrated/ interdisciplinary approach to prepare students to meet current and future job market demands. The student will be given a balanced blend of art and technology-based skills which are essential for today's careers in animation. The program offers both an A.S. degree and certificates. Course content is driven by industry needs in order to provide the student with the best possible preparation for a career in animation or for transfer to an institution of higher learning.

Requirements for the Major

Required courses:

ANIM 101A	Drawing - Gesture and Figure	3.0	CSU
ANIM 104	Drawing Fundamentals, <i>or</i>	3.0	CSU
ARTD 15A	Drawing: Beginning	3.0	CSU,UC
ANIM 108	Principles of Animation	3.0	CSU
ANIM 115	Storyboarding	3.0	
ANIM 116	Character Development	1.5	
ANIM 130	Introduction to 3-D Computer Animation	3.0	
ARTC 290	Portfolio	3.0	
ARTC 100	Graphic Design I	3.0	CSU
ARTD 17A	Drawing: Life	3.0	CSU,UC
ARTD 20	Design: Two Dimensional	3.0	CSU,UC
ARTS 22	Design: Three-Dimensional	3.0	CSU,UC

PLUS

Select one course from:

ANIM 109	Advanced Principles of Animation 3.0		
ANIM 117	Animation Background Layout	3.0	CSU
ANIM 120	Script Development for Animation	3.0	
ANIM 131	Introduction to Gaming	3.0	
ANIM 132	Modeling, Texture Mapping and Lighting	3.0	
ANIM 172	Motion Graphics, Compositing and Visual Effects	3.0	
ANIM 175	Web Animation With Flash	3.0	
ARTD 16	Drawing: Perspective	3.0	CSU,UC

TOTAL UNITS 36.0

Recommended Electives:

AHIS 4	History of Western Art: Prehistoric through Gothic
AHIS 5	History of Western Art: Renaissance through Modern
ANIM 111	Animal Drawing
ANIM 121	History of Animation
ANIM 131	Introduction to Gaming
ANIM 134	Dynamic Digital Environments
ANIM 135	Visual Effects II: Particle Systems
ANIM 148	Demo-Reel

Applied Laboratory Science Technology (ALST)

CHEMISTRY DEPARTMENT

MAJOR S0307

This program provides theoretical and technical training to prepare students for employment as entry-level chemical technicians in fields such as chemical quality control, chemical process control, analytical chemistry, water quality, and research and development. The program includes a broad-based overview of workforce options and emphasizes development of analytical skills, instrument proficiency, critical thinking, and trouble-shooting of experimental designs and outcomes.

Requirements for the Major

Required courses:

BUSM 10	Principles of Continuous Quality Improvement	3.0	
CHEM 20	Introductory Organic and Biochemistry	5.0	CSU,UC
CHEM 50	General Chemistry I	5.0	CSU,UC
CHEM 51	General Chemistry II	5.0	CSU,UC
CHEM 60	Quantitative Chemical Analysis	5.0	CSU,UC
CHMT 1	Introduction to Chemical Laboratory Technology	3.0	
CHMT 8	Work Experience in Chemical Technology	3.0	

PLUS

Select six (6) units from:

MICR 22	Microbiology	4.0	CSU,UC
PHIL 12	Ethics, <i>or</i>	3.0	CSU,UC
PHIL 12H	Ethics - Honors	3.0	CSU,UC
SPCH 26	Interpersonal Communication, <i>or</i>	3.0	CSU,UC
SPCH 26H	Interpersonal Communication - Honors	3.0	CSU,UC

TOTAL UNITS 35-36

Architectural Technology - Design Concentration

ARCHITECTURE AND ENGINEERING DESIGN DEPARTMENT

MAJOR S0207

This program prepares students to enter the field of architecture and related areas. The student is provided with an option of direct employment into the field or preparation for transfer to the professional school of architecture. Two concentrations are available. The Design Concentration focuses upon studio-based design projects, drawing, and presentation skills. The student will develop a portfolio of work relevant to their Concentration. A certificate program is also available.

Requirements for the Major

Required courses:

ARCH 10	Design I - Elements of Design	3.0	CSU
ARCH 11	Architectural Drawing	3.0	CSU,UC
ARCH 12	Architectural Materials and Specifications	3.0	CSU
ARCH 13	Architectural Illustration	3.0	CSU,UC
ARCH 16	Basic CAD and Computer Application	4.0	CSU,UC
ARCH 21	Design II - Architectural Design	3.0	CSU
ARCH 23	Architectural Presentations	3.0	CSU
ARCH 27	Design III - Environmental Design	3.0	CSU,UC
ARCH 29	Design IV - Advanced Project	3.0	CSU
ARCH 31	World Architecture I	3.0	CSU
ARCH 32	World Architecture II	3.0	CSU,UC

PLUS

Select one (1) course from:

ARCH 15	Architectural Working Drawings - I	3.0	CSU
ARCH 18	Architectural Computer Aided Design Elements	3.0	

PLUS

Select one (1) course from:

ARCH 14	Building and Zoning Codes	3.0	
ARCH 15	Architectural Working Drawings - I	3.0	CSU
ARCH 18	Architectural Computer Aided Design Elements	3.0	
ARCH 26	Architectural CAD Working Drawings	3.0	
ARCH 28	Architectural CAD Illustration and Animation	3.0	CSU
ARCH 89	Architectural Work Experience	1.0	
ARCH 90	Architectural Work Experience	2.0	
INSP 70	Elements of Construction	3.0	CSU

TOTAL UNITS 38.0 - 40.0

Recommended Electives:

ARTD 15A	Drawing: Beginning
ARTD 20	Design: Two Dimensional
ARTS 22	Design: Three-Dimensional
BIOL 6	Humans and the Environment
ENGL 1C	Critical Thinking and Writing
MATH 150	Trigonometry
PHYS 2AG	General Physics

ENGL 1C, MATH 150, and PHYS 2AG are typically required for transfer to a professional school of architecture. Verify all requirements with the transfer institution.

Architectural Technology - Technology Concentration

ARCHITECTURE AND ENGINEERING DESIGN DEPARTMENT

MAJOR S0201

This program prepares students to enter the field of architecture and related areas. The student is provided with an option of direct employment into the field or preparation for transfer to the professional school of architecture. Two concentrations are available. The Technology Concentration focuses upon building and construction technology, documentation, codes, and computer applications. Current technology and computer (CAD) skills are integrated into the program. A certificate program is also available.

Requirements for the Major

Required courses:

ARCH 10	Design I - Elements of Design	3.0	CSU
ARCH 11	Architectural Drawing	3.0	CSU,UC
ARCH 12	Architectural Materials and Specifications	3.0	CSU
ARCH 14	Building and Zoning Codes	3.0	
ARCH 15	Architectural Working Drawings - I	3.0	CSU
ARCH 16	Basic CAD and Computer Application	4.0	CSU,UC
ARCH 18	Architectural Computer Aided Design Elements	3.0	
ARCH 26	Architectural CAD Working Drawings	3.0	
ARCH 28	Architectural CAD Illustration and Animation	3.0	CSU
ARCH 29	Design IV - Advanced Project	3.0	CSU
EDT 20	Technical Descriptive Geometry	3.0	CSU
INSP 70	Elements of Construction	3.0	CSU

PLUS

Select one (1) course from:

ARCH 13	Architectural Illustration	3.0	CSU,UC
ARCH 21	Design II - Architectural Design	3.0	CSU
ARCH 23	Architectural Presentations	3.0	CSU
ARCH 31	World Architecture I	3.0	CSU,UC
ARCH 32	World Architecture II	3.0	CSU,UC
ARCH 89	Architectural Work Experience	1.0 - 2.0	
EDT 26	Civil Engineering Technology and CAD	3.0	CSU
INSP 71	Construction Estimating	3.0	CSU

TOTAL UNITS 38.0 - 40.0

Recommended Electives:

MATH 150 Trigonometry
PHYS 2AG General Physics

MATH 150 AND PHYS 2AG typically are required for transfer to a professional school of architecture. Verify all requirements with the transfer institution.

Aviation Science

AERONAUTICS, TRANSPORTATION AND TRAVEL DEPARTMENT

MAJOR S0910

This curriculum meets the requirements of the Federal Aviation Administration Collegiate Training Initiative (CTI). Under an educational partnership agreement with the FAA, this CTI program prepares students for broad-based aviation careers. Students completing this CTI program may be recommended by the college for hiring by the FAA as air traffic controllers.

Requirements for the Major

Required courses:

AERO 23	Primary Pilot Ground School	4.0	CSU
AERO 24	Navigation	3.0	CSU
AERO 26	Aviation Weather	3.0	CSU
AERO 27	Aviation Safety and Human Factors	3.0	CSU
AERO 29	Federal Aviation Regulations	2.0	CSU
AERO 30	Instrument Ground School	3.0	CSU
AIRT 41	Aircraft Recognition and Performance	3.0	CSU
AIRT 42A	Terminal Air Traffic Control	3.0	CSU
AIRT 42B	Enroute Air Traffic Control	3.0	CSU
AIRT 43	Air Traffic Control Team Skills	1.5	CSU
CISB 11	Computer Information Systems	3.5	CSU,UC
TRAN 17	Air Transportation	3.0	CSU

TOTAL UNITS 35.0

Recommended Electives:

AERO 25	Commercial Pilot Ground School
AERO 28	Aircraft and Engines
AERO 40	Flight
AERO 40L	Flight Laboratory
BUSM 60	Human Relations in Business

Building Automation

AIR CONDITIONING, WELDING AND WATER TECHNOLOGIES

MAJOR S0308

This program is designed to prepare the student for a career in the fields of Building Automation, Energy Management, and Green Building Technologies. Students desiring a bachelor's degree (transfer program) should consult with an advisor to discuss transferability of course.

Requirements for the Major

Required courses:

AIRC20	Refrigeration Fundamentals	3.0
AIRC25	Electrical Fundamentals for A/C & Refrigeration	4.0
AIRC31	Commercial Electrical for A/C & Refrigeration	4.0
AIRC34	Advanced Mechanical Refrigeration	4.0
AIRC61	Building Automation Fundamentals	2.5
AIRC63	Building Control Networks	3.0
AIRC65	Building Automation Network & Programming	3.0
AIRC67	Energy Management	4.0
CISN11	Telecommunications/Networking	4.0
CISW41	XML Secure Programming	3.0
CISW49	Service Oriented Architecture Concepts & Practice	3.0
TOTAL UNITS		37.5

Business: Management

ACCOUNTING AND MANAGEMENT DEPARTMENT

MAJOR S0506

This program is intended to prepare students for employment following graduation. Students wishing a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

BUSA 7	Principles of Accounting - Financial	5.0	CSU,UC
BUSM 10	Principles of Continuous Quality Improvement	3.0	
BUSM 20	Principles of Business	3.0	CSU,UC
BUSM 51	Principles of International Business	3.0	CSU
BUSM 60	Human Relations in Business	3.0	CSU
BUSM 61	Business Organization and Management	3.0	CSU
BUSM 62	Human Resource Management	3.0	
BUSS 36	Principles of Marketing	3.0	CSU
CISB 15	Microcomputer Applications	4.0	CSU,UC

TOTAL UNITS 30.0

Recommended Electives:

BUSM 81	Work Experience in Business
BUSM 85	Special Issues in Business
BUSS 85	Special Issues in Marketing

Business: Retail Management

ACCOUNTING AND MANAGEMENT DEPARTMENT

MAJOR S0509

This program exposes students to the business world and the role of retail distribution. Students become familiar with careers in retail management as well as the latest trends in this fast changing field. Completion of this program aids the student's search for an entry-level job in retail management.

Requirements for the Major

Required courses:

BUSA 7	Principles of Accounting - Financial, <i>or</i>	5.0	CSU,UC
BUSA 72	Bookkeeping - Accounting	5.0	
BUSA 11	Fundamentals of Accounting	3.0	
BUSM 60	Human Relations in Business	3.0	CSU
BUSM 61	Business Organization and Management	3.0	CSU
BUSM 62	Human Resource Management	3.0	
BUSO 25	Business Communications	3.0	CSU
BUSO 26	Oral Communications for Business	3.0	
BUSS 36	Principles of Marketing	3.0	CSU
CISB 15	Microcomputer Applications	4.0	CSU,UC
FASH 62	Retail Store Management and Merchandising, <i>or</i>	3.0	CSU
BUSS 50	Retail Store Management and Merchandising	3.0	

TOTAL UNITS 33.0

Child Development

CHILD DEVELOPMENT

MAJOR S1315

This program introduces students to the study of young children and their education and prepares students for employment following graduation in the field of Child Development. An Associate in Science degree and eleven certificates are offered. Students desiring a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

CHLD 1	Child, Family and Community	3.0	CSU,UC
CHLD 5	Principles/Practices in Child Development Programs	3.0	CSU
CHLD 6	Survey of Child Development Curriculum	3.0	CSU
CHLD 10	Child Growth and Development, <i>or</i>	3.0	CSU,UC
CHLD 10H	Child Growth and Development - Honors	3.0	CSU,UC
CHLD 64	Health, Safety and Nutrition of Young Children	3.0	CSU
CHLD 66	Early Childhood Development Observation	2.0	CSU
CHLD 66L	Early Childhood Development Observation Laboratory	1.0	CSU
CHLD 67	Early Childhood Development Participation	2.0	CSU
CHLD 67L	Early Childhood Development Participation Laboratory	1.0	CSU
CHLD 68	Children With Special Needs	3.0	CSU
CHLD 69	Early Childhood Development Field Work Seminar	2.0	CSU
CHLD 84	Guidance and Discipline in Child Development Settings	1.0	CSU
CHLD 91	Early Childhood Development Field Work	1.0	CSU

TOTAL UNITS 28.0

Note: These courses are acceptable for the Child Development requirements leading to the Child Development Permit.

Recommended Electives:

CHLD 50	Multicultural Education: Anti-Bias Perspective
CHLD 51	Early Literacy in Child Development
CHLD 61	Language Arts & Art Media for Young Children
CHLD 62	Music and Motor Development for Young Children
CHLD 63	Creative Sciencing and Math for Young Children
CHLD 71A	Administration of Child Development Programs
CHLD 71B	Management/Marketing/Personnel for ECD Programs
CHLD 72	Teacher, Parent, and Child Relationships
CHLD 73	Infant/Toddler Care and Development

Commercial Flight

AERONAUTICS, TRANSPORTATION AND TRAVEL DEPARTMENT

MAJOR S0912

The Commercial Flight curriculum prepares students for careers as aircraft pilots as well as related ground occupations in aviation. Students have the opportunity for optional flight training with commensurate college credit. The pilot license is not required for graduation but it is desirable for career advancement.

This program prepares students for military and civilian aviation careers through transfer programs to bachelor's degree aviation curricula throughout the nation. With concurrent flight training, students may achieve the commercial pilot certificate and instrument rating simultaneously with the A.S. degree.

Requirements for the Major

Required courses:

AERO 23	Primary Pilot Ground School	4.0	CSU
AERO 24	Navigation	3.0	CSU
AERO 25	Commercial Pilot Ground School	3.0	CSU
AERO 26	Aviation Weather	3.0	CSU
AERO 27	Aviation Safety and Human Factors	3.0	CSU
AERO 28	Aircraft and Engines	3.0	CSU
AERO 29	Federal Aviation Regulations	2.0	CSU
AERO 30	Instrument Ground School	3.0	CSU
TRAN 17	Air Transportation	3.0	CSU

TOTAL UNITS 27.0

Recommended Electives:

AERO 40	Flight
AERO 40L	Flight Laboratory
AERO 41	Basic Flight Simulator Laboratory
AERO 58	Flight Instructor Ground School
AIRT 41	Aircraft Recognition and Performance
CISB 11	Computer Information Systems

The Commercial Flight faculty recommend that students complement their studies with selected elective courses chosen from the list above. Students should meet with a professor of commercial flight to help them determine which electives would best suit their career plans.

Computer - Database Management Systems

COMPUTER INFORMATION SYSTEMS DEPARTMENT

MAJOR S0706

The Computer Information Systems major is a two-year program leading to the Associate in Science (A.S.) degree. The program is designed to prepare students for employment in a computer field following graduation. Students wishing a Bachelors' degree (transfer program) should meet with a counselor or advisor to discuss transferability of courses.

Coursework includes a list of core courses and additional courses for each concentration. The Database Management Systems Concentration includes coursework in the design, development and maintenance of relational databases. Students choosing this concentration have the option of selecting either the Microsoft or Oracle concentration.

Requirements for the Major

Required core courses:

CISB 11	Computer Information Systems	3.5	CSU,UC
CISB 15	Microcomputer Applications	4.0	CSU,UC
CISM 11	Systems Analysis and Design	3.5	CSU,UC
CISN 21	Windows Operating System, <i>or</i>	4.0	
CISN 31	Linux Operating Systems	4.0	
BUSM 20	Principles of Business, <i>or</i>	3.0	
BUSM 25	Principles of E-Commerce, <i>or</i>	3.0	
BUSA 7	Principles of Accounting - Financial	5.0	

PLUS

Select one of the following two concentrations:

Microsoft Concentration:

CISD 11	Database Management - Microsoft Access	4.0	CSU
CISD 14	Advanced Database Management - Microsoft Access	4.0	
CISD 21	Database Management - Microsoft SQL Server	4.0	
CISD 40	Database Design	3.0	

Oracle Concentration:

CISD 31	Database Management - Oracle	4.0	
CISD 32	Oracle Forms and Reports	3.0	
CISD 40	Database Design	3.0	

TOTAL UNITS 28.0 – 35.0

Computer Graphics Design/Photography

COMMERCIAL AND ENTERTAINMENT ARTS

MAJOR S1005

This program is designed to prepare students for employment in the field of computer graphics/photography. A variety of career opportunities are available in art, cinema, communications, industrial arts, graphics, and journalism. Students desiring a bachelor's degree should consult with a counselor or advisor or the catalog of the institution they wish to attend to address transferability of courses.

Requirements for the Major

Required courses:

GRAP 1	Computer Graphics Lab	1.0	
GRAP 10	Photo Editing with Photoshop	3.0	
GRAP 12	Advanced Photo Editing with Photoshop	3.0	
GRAP 14	Digital Color Management	3.0	
GRAP 16	Digital Image Design with Illustrator & Freehand	3.0	
GRAP 18	Advanced Image Design - 3D Modeling Techniques	3.0	
GRAP 20	Applying Photos and Images in Multimedia	3.0	
GRAP 28	Digital Portfolio	2.0	
PHOT 10	Beginning Photography	3.0	CSU,UC
PHOT 17	Photocommunication	3.0	
TOTAL UNITS		27.0	

Recommended Electives:

AHIS 1	Understanding the Visual Arts, <i>or</i>
ARTB 1	Understanding the Visual Arts
COMP 10	Operating the Macintosh Computer
GRAP 24	Work Experience in Computer Graphics
PHOT 1	Laboratory Studies: Black and White Photography
PHOT 2	Laboratory Studies: Color Photography
PHOT 4	Digital Cameras and Composition
PHOT 15	History of Photography

Computer and Networking Technology

ELECTRONICS AND COMPUTER TECHNOLOGY DEPARTMENT

MAJOR S0725

The Computer and Networking Technology program prepares students to become computer and networking service technicians. The program provides foundations in basics electricity and electronics, operating systems, computer service and troubleshooting, and customer relations, as well as more advanced training in networks, servers, and security. Students learn to install, configure, maintain, troubleshoot, and repair computers and networks. Students will become fully prepared to take the A+, Network+, Server+, and Security+ certification tests sponsored by CompTIA and offered at testing centers throughout the country. These industry certifications are recognized worldwide as benchmarks for the computer and networking technician. Further, students will have requisite skills upon which to seek additional I.T. certifications available for the computer and networking fields.

Two certificate programs in Computer and Networking Technology are also available. Please see the "Certificates" section of the college catalog for descriptions and course requirements.

Requirements for the Major

Required courses:

CNET 50	PC Servicing	4.0	
CNET 52	PC Operating Systems	4.0	
CNET 54	PC Troubleshooting	4.0	
CNET 56	Computer Networks	4.0	
CNET 58	Windows Server	3.0	
CNET 60	A+ Certification Preparation	2.0	
CNET 62	Network+ Certification Preparation	2.0	
CNET 64	Server+ Certification Preparation	2.0	
CNET 66	Security+ Certification Preparation	2.0	
ELEC 11	Technical Applications in Microcomputers, <i>or</i>	3.0	CSU
CISB 15	Microcomputer Applications	4.0	CSU,UC
ELEC 50A	Electronic Circuits (DC)	4.0	CSU
ELEC 50B	Electronic Circuits (AC)	4.0	CSU
ELEC 56	Digital Electronics	4.0	CSU
TECH 60	Customer Relations for the Technician	1.0	
TOTAL UNITS		43.0 - 44.0	

Recommended Electives:

ELEC 51	Electronic Devices
ELEC 74	Microprocessor Systems

Computer Network Administration and Security Management

COMPUTER INFORMATION SYSTEMS DEPARTMENT

MAJOR S0701

Computer Network Administration and Security Management is a two-year program leading to the Associate in Science (A.S.) degree. It prepares individuals for employment in the computer/information technology field in such areas as network administrator and security management administrator.

The curriculum is intended to help students develop skills to design, administer and manage the heterogeneous corporate network with security emphasis. The courses examine and illustrate network security with various industry-leading network operating systems. Individual courses will assist students in preparing for related industry certification exams.

The main objective of the degree is to prepare students for employment following graduation. Students wishing a bachelor's degree should meet with a counselor or advisor for choices to transfer to available CSU joint degree programs.

Requirements for the Major

Required courses:

CISN 11	Telecommunications Networking	4.0	CSU
CISN 24	Window Server Network and Security Administration	4.0	CSU
CISN 51	Cisco CCNA Networking and Routing	4.0	CSU
CISS 21	Network Vulnerabilities and Countermeasures	4.0	CSU
CISS 23	Network Analysis, Intrusim Detection/Prevention Systems	4.0	CSU
CISS 25	Network Security and Firewalls	4.0	CSU
CISS 29	CNSAM Service Learning	1.0	

PLUS

Select one (1) course from:

CISB 11	Computer Information Systems	3.5	CSU,UC
CISN 21	Windows Operating System	4.0	CSU
CISN 31	Linux Operating System	4.0	CSU
CISN 34	LINUX Networking and Security	4.0	CSU

TOTAL UNITS 27.5 - 28.0

Computer Programming

COMPUTER INFORMATION SYSTEMS DEPARTMENT

MAJOR S7302

The Computer Programming major is a two-year program leading to the Associate in Science (A.S.) degree. It is designed to prepare students for employment as a computer programmer following graduation. Students wishing a bachelor's degree (transfer program) should meet with a counselor or advisor to discuss transferability of courses.

Coursework includes a list of core courses and additional courses for each concentration. The Computer Programming degree emphasizes the development of applications in a business environment using object-oriented methodologies. Students may select one of four programming language concentrations: C++, Visual Basic, Java or C#.

Requirements for the Major

Required courses:

CISB 11	Computer Information Systems	3.5	CSU,UC
CISB 15	Microcomputer Applications	4.0	CSU,UC
CISM 11	Systems Analysis and Design	3.5	CSU,UC
CISN 21	Windows Operating System, <i>or</i>	4.0	
CISN 31	Linux Operating System	4.0	
CISP 10	Object-Oriented Design	2.0	
BUSM 20	Principles of Business, <i>or</i>	3.0	
BUSM 25	Principles of E-Commerce, <i>or</i>	3.0	
BUSA 7	Principles of Accounting - Financial	5.0	
CISD 11	Database Management - Microsoft Access, <i>or</i>	4.0	
CISD 21	Database Management - Microsoft SQL Server, <i>or</i>	4.0	
CISD 31	Database Management - Oracle	4.0	

PLUS

One of the following concentrations:

C++:

CISP 31	Programming in C++	4.0	
CISP 34	Advanced C++ Programming	4.0	

Visual Basic:

CISP 11	Programming in Visual Basic	4.0	
CISP 14	Advanced Visual Basic	4.0	

Programming Java:

CISP 21	Programming in Java	4.0	
CISP 24	Advanced Java Programming	4.0	

C#:

CISP 41	Programming in C#	4.0	
CISP 44	Advanced Programming in C#	4.0	

TOTAL UNITS 32.0 - 34.0

Construction Inspection

ARCHITECTURE AND ENGINEERING DESIGN DEPARTMENT

MAJOR S0920

This program is intended to prepare students for employment following graduation. Students desiring a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

ARCH 12	Architectural Materials and Specifications	3.0	CSU
ARCH 14	Building and Zoning Codes	3.0	
INSP 17	Legal Aspects of Construction	3.0	CSU
INSP 70	Elements of Construction	3.0	CSU
INSP 71	Construction Estimating	3.0	CSU
INSP 87	Fundamentals of Construction Inspection	3.0	

TOTAL UNITS 18.0

Recommended Electives:

ARCH 11	Architectural Drawing
ARCH 15	Architectural Working Drawings - I
INSP 67	Reading Construction Drawings

Correctional Sciences

PUBLIC SERVICES DEPARTMENT

MAJOR S2103

Correctional Sciences is the application of law, social, and natural sciences to the social phenomenon of crime and delinquency. The discipline addresses definitions, causation, prevention, discovery, procedures, treatment and rehabilitation, quantification, and research in both criminal and civil aspects. This program is intended to prepare students for employment following graduation. Students desiring a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

ADJU 68	Administration of Justice Report Writing	3.0	
CORS 10	Introduction to Correctional Sciences	3.0	CSU
CORS 15	Control and Supervision of the Offender	3.0	
CORS 20	Correctional Law	3.0	
CORS 25	Probation and Parole	3.0	
CORS 30	Ethnic Relations in Corrections	3.0	

PLUS

Select four (4) courses from:

ADJU 1	The Administration of the Justice System	3.0	CSU,UC
ADJU 2	Principles and Procedures of the Justice System	3.0	CSU
ADJU 20	Principles of Investigation	3.0	CSU
ADJU 38	Narcotics Investigation	3.0	
ADJU 59	Gangs and Corrections	3.0	CSU
CORS 35	Interviewing and Counseling in Corrections	3.0	
CORS 40	Crime and Delinquency	3.0	
CORS 45	The Violent Offender	3.0	

TOTAL UNITS 30.0

Recommended Electives:

PE-F 50	Physical Skills Preparation for Law Enforcement and Fire Science
PE-F 51	Agility Testing Preparation for Law Enforcement and Fire Science
PE-F 52	Fitness and Conditioning for Law Enforcement, Fire Science and Forestry
SPAN 66	Spanish for Fire and Police Personnel

The Correctional Sciences faculty recommend that students complement their studies with selected elective courses chosen from the list above. Students should meet with a professor of Correctional Sciences to help them determine which electives would best suit their career plans.

Educational Paraprofessional

PSYCHOLOGY AND EDUCATION DEPARTMENT

MAJOR S2117

This degree program in the field of education prepares paraprofessionals in a variety of areas, emphasizing working with children to enhance their learning development. Graduates will be able to assist classroom teachers in working with K-12 students, including students with special needs. This associate degree certifies that paraprofessionals are "highly qualified" according to current federal legislation.

Requirements for the Major

Required courses:

CHLD 1	Child, Family and Community	3.0	CSU,UC
CHLD 10	Child Growth and Development, <i>or</i>	3.0	CSU,UC
PSYC 14	Developmental Psychology	3.0	CSU,UC
CHLD 68	Children With Special Needs	3.0	CSU
EDUC 10	Introduction to Education	3.0	CSU,UC
EDUC 16	Aspects and Issues in Teaching Service Learning	3.0	CSU,UC
ENGL 1A	Freshman Composition	3.0	CSU,UC
MATH 71	Intermediate Algebra	5.0	

TOTAL UNITS 23.0

Recommended Electives:

CHLD 51	Early Literacy in Child Development
CHLD 64	Health, Safety and Nutrition of Young Children
LIT 40	Children's Literature
PE 3	First Aid and CPR

Electronics and Computer Engineering Technology

ELECTRONICS AND COMPUTER TECHNOLOGY DEPARTMENT

MAJOR S0906

The Electronics and Computer Engineering Technology (ECET) degree program prepares individuals either for initial employment or for enhancement of existing skills in the electronics field, or for transfer into B.S. programs in Electronics Technology or Industrial Technology offered in the CSU system. In addition to exposing students to core topics such as components and circuits, the program includes coursework in advanced areas including microcontrollers and interfacing, communications, and industrial electronic controls. Nearly all laboratories have new, state-of-the-art equipment to provide students with quality, hands-on learning experiences.

Students completing ECET degree and certificate programs possess ample skills to make them versatile employees. Typical technician-level job classifications include field service technician, field engineer, computer service technician, customer service technician, communications technician, maintenance technician, and electronics technician. All students completing the degree program are automatically eligible to receive, without further examination, the 3rd class technician license from the National Association of Radio and Telecommunications Engineers (N.A.R.T.E.).

Several certificate programs in electronics technology are also available. Please see the "Certifications" section of the college catalog for descriptions and course requirements.

Requirements for the Major

Required courses:

ELEC 11	Technical Applications in Microcomputers	3.0	CSU
ELEC 12	Computer Simulation and Troubleshooting	2.0	
ELEC 50A	Electronic Circuits (DC)	4.0	CSU
ELEC 50B	Electronic Circuits (AC)	4.0	CSU
ELEC 51	Electronic Devices	4.0	CSU
ELEC 53	Communications Circuits	4.0	
ELEC 54A	Industrial Electronics	4.0	CSU
ELEC 54B	Industrial Electronic Systems	3.0	CSU
ELEC 55	Microwave Communications	4.0	
ELEC 56	Digital Electronics	4.0	CSU
ELEC 61	Electronic Assembly and Fabrication	3.0	CSU
ELEC 74	Micro Controller Systems	4.0	CSU
TECH 60	Customer Relations for the Technician	1.0	
TOTAL UNITS		44.0	

Recommended Electives:

CISP 11	Programming in Visual Basic
EDT 11	Technical Engineering Drawing I
ELEC 62	Advanced Surface Mount Assembly and Rework
ELEC 76	Radio Telephone Communications
PHYS 2AG	General Physics

Emergency Medical Services

MEDICAL SERVICES DEPARTMENT

MAJOR S1210

Students who complete the required courses listed below for the Emergency Medical Technician-Paramedic (EMT-P) Certificate and who also complete the graduation requirements of Mt. San Antonio College will be awarded the Associate in Science degree in Emergency Medical Services.

This Paramedic Program is accredited by CAAHEP (Committee on Accreditation of Allied Health Education Programs) and approved by the Los Angeles County Department of Health Services as meeting and exceeding the minimum standards as specified in Title 22 of the California Code of Regulations and the federal Department of Transportation national standard curriculum. It is designed to train paramedics to work on ambulances and in the fire service.

Requirements for the Major

Required courses:

EMS 1	Fundamentals for Paramedics	4.0
EMS 10	Anatomy and Physiology for Paramedics	2.0
EMS 20	Emergency Cardiac Care for Paramedics	1.0
EMS 30	Pharmacology for Paramedics	2.0
EMS 40	Cardiology for Paramedics	5.0
EMS 50	Paramedic Skills Competency	5.0
EMS 60	EMS Theory for Paramedics	8.5
EMS 70	Paramedic Clinical Internship	4.0
EMS 80	Paramedic Field Externship	9.5

TOTAL UNITS 41.0

Recommended Electives:

ADJU 1	The Administration of Justice System
FIRE 1	Fire Protection Organization
PSYC 1A	Introduction to Psychology
SOC 1	Sociology

The Emergency Medical Services faculty recommend that students complement their studies with selected elective courses chosen from the list above. Students should meet with a professor of Emergency Medical Services to help them determine which electives would best suit their career plans.

Special Information

To remain in the program, students must maintain a grade of "C" (80%) or better in all courses, per state regulations. Before starting clinical rotations, students must pass a criminal background check.

Upon successful completion of the required courses, students are granted a certificate documenting completion of the Paramedic Program. Students are then eligible for licensure by taking and passing both the National Registry Exam and County Paramedic accreditation exam.

Paramedic Program Readmission Policy

If the student fails any of the co-requisite courses, EMS 10 - EMS 60, he/she will be dropped from the programs. If the student wishes to repeat the program, a Success Plan and Contract will be developed with the faculty to increase the student's chances of success prior to re-entry. If the student withdraws or is dismissed from the program a second time, he/she will not be allowed to re-enter the Paramedic Program at Mt. SAC.

Application Requirements and Entrance Procedures

Application Requirements:

In addition to meeting Mt. San Antonio College academic standards for admission, applicants must be in good standing and satisfy the following requirements:

- 1) Be an EMT-I, currently certified in California.

- 2) Submit a letter on official stationery from a recognized EMS agency verifying completion of six (6) months of pre-hospital field experience as an EMT-I (approximately 1,200 hours) within the last two years.
- 3) File a college application and be accepted as a student at Mt. San Antonio College.
- 4) Submit an application for the Paramedic Program to the Technology and Health Division Office (909)594-5611, Ext. 4750. All applications are dated upon receipt in the Technology and Health Division Office. The Paramedic Program begins three times per year, in August, January, and May and runs for 29 weeks.
- 5) Take the AWE (Assessment of Written English, the Mt. SAC Math Placement test, and the degrees of Reading Power reading test at least ten working days before the state of the pre-course (EMS 1). Placement examinations will be individually assessed to determine eligibility. The placement test is administered by the Assessment Center, located in the Student Services Center. If required, arrange with the Center a day and a time to take the examination. The Assessment Center (909)594-5611 Ext. 4265, is open Monday through Friday.
- 6) Successful completion of EMS-1, Fundamentals for Paramedics.
- 7) Forward two official transcripts of all coursework completed (high school, EMT-I, Fire Science, and other than Mt. San Antonio College courses.) One transcript must be sent to the Technology and Health Division Office, the other to the Admissions and Records Office.

NOTE: If the course(s) were taken and/or the degree obtained at Mt. San Antonio College, it is not necessary to request transcripts.

Indicate in the mailing address the program for which transcripts are being sent to the Technology and Health Division Office.

EXAMPLE: Mt. San Antonio College Technology and Health Division Paramedic Program 1100 North Grand Avenue Walnut, CA 91789-1399

8) A physical examination, proof of certain immunizations, and a criminal background check are required of all candidates after acceptance to the program and before entrance into the clinical setting. Forms and information will be provided upon acceptance into the program. In addition, drug testing may be required as part of the physical examination and/or requested by the college or one of its agents.

Entrance Procedure:

In determining eligibility, consideration will be given to the following:

- 1) Completion of all admission requirements
 - 2) EMS-related experience
 - 3) Scores on the English assessment and math placement tests
 - 4) Placement EMS-1, Fundamentals for Paramedics, and scores on college placement exam for English and math
- All Applicants are required to meet the Essential Functions for Success in the Paramedic Program.

Physical Demands:

- Perform prolonged, extensive, or considerable standing/walking, lifting positioning, pushing, and/or transferring patients
- Possess the ability to perform fine motor movements with hands and fingers
- Possess the ability for extremely heavy effort (lift and carry at least 125 pounds)
- Perform considerable reaching, stooping, bending, kneeling, and crouching

Sensory Demands:

- Color vision: ability to distinguish and identify colors (may be corrected with adaptive devices)
- Distance vision: ability to see clearly 20 feet or more
- Depth perception: ability to judge distance and space relationships
- Near vision: ability to see clearly 20 inches or less
- Hearing: able to recognize a full range of tones

Working Environment:

- May be exposed to infectious and contagious disease, without prior notification
- Regularly exposed to the risk of blood borne diseases
- Exposed to hazardous agents, body fluids and wastes
- Exposed to odorous chemicals and specimens

- Subject to hazards of flammable, explosive gases
- Subject to burns and cuts
- Contact with patients having different religious, culture, ethnicity, race, sexual orientation, psychological and physical disabilities, and under a wide variety of circumstances
- Handle emergency or crisis situations
- Subject to many interruptions
- Requires decisions/actions related to end of life issues
- Exposed to products containing latex

English Language Skills:

Although proficiency in English is not a criteria for admission into the EMS program, students must be able to speak, write and read English to ensure patient safety and to complete classes successfully.

Engineering Design Technology

ARCHITECTURE AND ENGINEERING DESIGN DEPARTMENT

MAJOR S0913

This curriculum is recommended for those who wish to become an engineering technician, CADD operator/designer or drafter in fields related to engineering, tool design, electronics, manufacturing, structural steel, civil, piping, aerospace, 3-D modeling, illustration, and computer animation. It provides fundamental knowledge of manufacturing processes as they relate to design problems and the techniques required by industry for design, presentation, detail, and assembly working drawings.

This program is intended to prepare students for employment following completion of courses or for retraining and upgrading skills. This program also offers transfer opportunities in related majors. Students desiring a bachelor's degree (transfer program) should consult with department faculty and a counselor or advisor to develop an individualized plan of transferable courses and math requirements.

Requirements for the Major

Required courses:

EDT 11	Technical Engineering Drawing I	3.0	CSU
EDT 12	Technical Engineering Drawing II	3.0	CSU
EDT 14	Mechanical Design - Geometric Dimensioning and Tolerancing	3.0	CSU
EDT 16	Basic CAD and Computer Applications	4.0	CSU
EDT 18	Engineering CAD Applications	4.0	CSU
EDT 20	Technical Descriptive Geometry	3.0	CSU
EDT 24	Engineering CAD 3-D Solids and Surfaces	3.0	CSU
EDT 26	Civil Engineering Technology and CAD	3.0	CSU
EDT 28	Engineering CAD 3-D Illustration/Animation	3.0	CSU
ELEC 50A	Electronic Circuits (DC)	4.0	CSU
ELEC 50B	Electronic Circuits (AC)	4.0	CSU
MFG 11	Manufacturing Processes I	2.0	CSU

TOTAL UNITS 39.0

Recommended Electives:

EDT 89	Engineering Design Technology Work Experience
ENGR 8	Properties of Materials

Equipment Technology

AGRICULTURAL SCIENCES DEPARTMENT

MAJOR S0118

The courses in equipment technology are designed to enable students to prepare for a career in this essential and diverse profession. This degree is part of our comprehensive Agricultural Sciences program. Our program is unique in that most courses provide hands-on experience and are designed to give the student a combination of practical skills and technical knowledge. Students who intend to transfer should meet with a counselor or advisor to check the lower division requirements in the catalog of the college or university which they will attend and also the semester and year in which courses are offered.

This program is intended to prepare students to become technicians for entry level positions or skills enhancement in the operation, service, maintenance and repair of industrial and agricultural power equipment.

Listed below are the courses needed to satisfy major requirements. It is recommended that students consult with the department chairperson, counselor or advisor to file an educational plan. For additional information, call the Agricultural Sciences Department, ext. 4540 or visit the Mt. SAC Web site at www.mtsac.edu/instruction/sciences/agriculture.

Requirements for the Major

Required courses:

AGAG 1	Food Production, Land Use and Politics - A Global Perspective	3.0	CSU,UC
AGAG 59	Work Experience in Agriculture	1.0 - 4.0	
AGOR 51	Tractor and Landscape Equipment Operations	3.0	CSU
AGOR 52	Hydraulics	3.0	CSU
AGOR 53	Small Engine Repair I	3.0	CSU
AGOR 54	Small Engine Repair II	3.0	CSU
AGOR 55	Diesel Engine Repair	3.0	CSU
AGOR 56	Engine Diagnostics	3.0	CSU
AGOR 57	Power Train Repair	3.0	
AGOR 71	Landscape Construction Fundamentals	3.0	CSU
AGOR 72	Landscape Hardscape Applications	3.0	CSU
CISB 15	Microcomputer Applications	4.0	CSU,UC

TOTAL UNITS 35.0 - 38.0

Escrow Management

BUSINESS ADMINISTRATION DEPARTMENT

MAJOR S0511

This program is intended to prepare students for employment following graduation. Students wishing a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

BUSA 7	Principles of Accounting - Financial, <i>or</i>	5.0	CSU,UC
BUSA 72	Bookkeeping - Accounting	5.0	
BUSM 20	Principles of Business	3.0	CSU,UC
BUSM 60	Human Relations in Business	3.0	CSU
BUSM 66	Small Business Management	3.0	CSU
BUSO 25	Business Communications	3.0	CSU
BUSR 50	Real Estate Principles	3.0	CSU
BUSR 51	Legal Aspects of Real Estate	3.0	
BUSR 53	Real Estate Finance	3.0	
BUSR 76	Escrow Procedures I	3.0	
BUSR 77	Escrow Procedures II	3.0	
CISB 15	Microcomputer Applications	4.0	CSU,UC
CISI 11	Computer Keyboarding	4.0	CSU

TOTAL UNITS 40.0

Recommended Electives:

BUSA 8	Principles of Accounting - Managerial
BUSL 18	Business Law, <i>or</i>
BUSL 18H	Business Law - Honors
BUSM 62	Human Resource Management
BUSO 5	Business English
BUSR 52	Real Estate Practice, <i>or</i>
BUSR 52D	Real Estate Practice Work Experience
BUSR 57	Income Tax Aspects of Real Estate Investments
PSYC 1A	Introduction to Psychology, <i>or</i>
PSYC 1AH	Introduction to Psychology - Honors

Family and Consumer Sciences

CONSUMER SCIENCE AND DESIGN TECHNOLOGIES

MAJOR S1309

This program provides students with the basic skills associated with the field of family and consumer sciences, which includes the needs of the home, the family, and its individual members. Students wishing a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

CHLD 10	Child Growth and Development, <i>or</i>	3.0	CSU,UC
CHLD 10H	Child Growth and Development - Honors	3.0	CSU,UC
FASH 10	Clothing Fundamentals	3.0	CSU
FASH 15	Fashion Strategies	3.0	CSU
FASH 17	Textiles	3.0	CSU,UC
FCS 41	Life Management	3.0	CSU
FCS 80	Financial Planning, <i>or</i>	3.0	CSU
BUSA 71	Financial Planning	3.0	CSU
ID 100	Fundamentals of Interior Design	3.0	CSU
NF 20	Principles of Foods With Lab, <i>or</i>	3.0	CSU
NF 62	Meal Management	3.0	CSU
NF 25	Essentials of Nutrition, <i>or</i>	3.0	CSU,UC
NF 25H	Essentials of Nutrition - Honors	3.0	CSU,UC
NF 28	Cultural and Ethnic Foods	3.0	CSU,UC

TOTAL UNITS 30.0

Recommended Electives:

CHLD 1	Child, Family and Community
FASH 12	Advanced Clothing
ID 105	Interior Design Studio I
ID 130	Applied Color and Design Theory

Fashion Design

CONSUMER SCIENCE AND DESIGN TECHNOLOGIES

MAJOR S1320

Exciting employment opportunities are available in both fashion design and costume design. In Southern California, the apparel industry and the entertainment industry support the largest number of employees and contribute significantly to the economy of the region. Expand your creative talents with this challenging major and find a career of your dreams. Students desiring a bachelor's degree should consult with a counselor or advisor and the transfer institution.

Requirements for the Major

Required courses:

FASH 8	Introduction to Fashion	3.0	CSU
FASH 9	History of Costume and Fashion	3.0	CSU
FASH 10	Clothing Construction I	3.0	CSU
FASH 12	Clothing Construction II	3.0	CSU
FASH 15	Fashion Strategies	3.0	CSU
FASH 17	Textiles	3.0	CSU,UC
FASH 20	Illustration for Fashion and Costume Design	3.0	
FASH 21	Patternmaking I	3.0	CSU
FASH 22	Fashion Design By Draping	3.0	
FASH 23	Patternmaking II	3.0	
FASH 25	Fashion Computer-Assisted Drawing	3.0	CSU
FASH 30	Fashion Design and Product Development I	3.0	
FASH 31	Fashion Design and Product Development II	3.0	
FASH 32	Fashion Design and Product Development III	3.0	
TOTAL UNITS		42.0	

Recommended Electives:

FASH 24	Fashion Patternmaking by Computer
FASH 26	Fashion Computer Assisted Design
FASH 35	Special Topics in Fashion
FASH 81	Work Experience in Fashion
FASH 90	Field Studies
FASH 91	Field Studies - New York
FASH 92	Field Studies - Fashion Capitals
FCS 41	Life Management

Fashion Merchandising

CONSUMER SCIENCE AND DESIGN TECHNOLOGIES

MAJOR S1308

This program is intended to prepare students for employment in the fashion industry. A variety of career opportunities are available in retail merchandising, manufacturing, fashion, promotion, and self-employment. Students intending to pursue a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

FASH 8	Introduction to Fashion	3.0	CSU
FASH 9	History of Costume and Fashion	3.0	CSU
FASH 10	Clothing Construction I	3.0	CSU
FASH 15	Fashion and Identity	3.0	CSU
FASH 17	Textiles	3.0	CSU,UC
FASH 25	Fashion Computer-Assisted Drawing	3.0	CSU
FASH 30	Fashion Design and Product Development I	3.0	
FASH 62	Retail Store Management and Merchandising, <i>or</i>	3.0	CSU
BUSS 50	Retail Store Management and Merchandising	3.0	CSU
FASH 63	Advertising and Promotion, <i>or</i>	3.0	CSU
BUSS 33	Advertising and Promotion	3.0	CSU
FASH 66	Visual Merchandising Display	3.0	CSU

TOTAL UNITS 30.0

Recommended Electives:

FASH 90	Field Studies
FASH 91	Field Studies - New York
FASH 92	Field Studies - Fashion Capitals
FCS 41	Life Management

Fire Technology

FIRE TECHNOLOGY DEPARTMENT

MAJOR S2105

The Fire Science major has been developed to offer pre-employment education for the undergraduate who desires to enter the field of fire science. It also provides the employed firefighter an opportunity for a professional education. Students intending to pursue a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

FIRE 1	Fire Protection Organization	3.0	CSU
FIRE 2	Fire Prevention Technology	3.0	CSU
FIRE 3	Fire Protection Equipment and Systems	3.0	CSU
FIRE 4	Building Construction for Fire Protection	3.0	CSU
FIRE 5	Fire Behavior and Combustion	3.0	CSU
FIRE 6	Hazardous Materials/ICS	3.0	

PLUS

Select two (2) courses from:

EMT 90	Emergency Medical Technician I	10.5	
FIRE 7	Fire Fighting Tactics and Strategy	3.0	CSU
FIRE 8	Fire Company Organization and Management	3.0	CSU
FIRE 9	Fire Hydraulics	3.0	CSU
FIRE 10	Arson and Fire Investigation	3.0	CSU
FIRE 11	Fire Apparatus and Equipment	3.0	CSU
FIRE 12	Wildland Fire Control	4.5	CSU
FIRE 86	Basic Fire Academy	14.5	
PE-F 53	Physical Training for the Basic Fire Academy	2.5	CSU

TOTAL UNITS 29 – 44.5

Recommended Electives:

PE-F 50	Physical Skills Preparation for Administration of Justice and Fire Technology, <i>or</i>
PE-F 51	Agility Testing Preparation for Administration of Justice and Fire Technology, <i>or</i>
PE-F 52	Fitness and Conditioning for Administration of Justice, Fire Technology, and Forestry

Fire Technology - Administrative Law

FIRE TECHNOLOGY DEPARTMENT

MAJOR S2108

The Fire Science major has been developed to offer pre-employment education for the undergraduate who desires to enter the field of fire science. It also provides the employed firefighter an opportunity for a professional education. Students intending to pursue a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

BUSA 7	Principles of Accounting - Financial	5.0	CSU,UC
CISB 11	Computer Information Systems	3.5	CSU,UC
FIRE 1	Fire Protection Organization	3.0	CSU
FIRE 2	Fire Prevention Technology	3.0	CSU
FIRE 8	Fire Company Organization and Management	3.0	CSU
FIRE 40	Fire Prevention 1A	2.0	
FIRE 41	Fire Prevention 1B	2.0	
TOTAL UNITS		21.5	

General Business

ACCOUNTING AND MANAGEMENT DEPARTMENT

MAJOR S0501

This program is intended to prepare students for employment following graduation. Students wishing a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

BUSA 7	Principles of Accounting - Financial, <i>or</i>	5.0	CSU,UC
BUSA 72	Bookkeeping - Accounting	5.0	
BUSL 18	Business Law, <i>or</i>	3.0	CSU,UC
BUSL 18H	Business Law - Honors	3.0	CSU,UC
BUSM 10	Principles of Continuous Quality Improvement	3.0	
BUSM 20	Principles of Business	3.0	CSU,UC
BUSM 60	Human Relations in Business	3.0	CSU
BUSM 61	Business Organization and Management	3.0	CSU
BUSM 62	Human Resource Management	3.0	
BUSO 5	Business English	3.0	
BUSO 25	Business Communications	3.0	CSU
BUSS 36	Principles of Marketing	3.0	CSU
CISB 15	Microcomputer Applications	4.0	CSU,UC

PLUS

Select six (6) units from:

BUSA	Business: Accounting	1.0 - 5.0	CSU,UC
BUSC	Business: Economics	3.0	CSU,UC
BUSL	Business: Law	1.0 - 3.0	CSU,UC
BUSM	Business: Management	1.0 - 4.0	CSU,UC
BUSS	Business: Sales, Merchandising and Marketing	1.0 - 4.0	CSU
CISB	Computer Information Systems: Beginning	2.0 - 4.0	CSU,UC
COMP	Computer Applications	0.5 - 4.0	CSU

TOTAL UNITS 42.0

Graphic Design

COMMERCIAL AND ENTERTAINMENT ARTS DEPARTMENT

MAJOR S0318

This program is designed to provide students with a combination of creative, design, problem solving, and technical skills necessary for entry-level employment as a Graphic Designer in the Commercial Art industry. Students completing this program are eligible for advanced training or transfer to a college or university for further study.

Requirements for the Major

Required courses:

ARTC 100	Graphic Design I	3.0
ARTC 120	Graphic Design II	3.0
ARTC 160	Typography	3.0
ARTC 165	Illustration	3.0
ARTC 290	Portfolio	3.0
ARTD 15A	Drawing: Beginning	3.0
ARTD 17A	Drawing: Life	3.0
ARTD 20	Design: Two Dimensional	3.0
ARTD 25A	Painting: Beginning	3.0

PLUS

Select one (1) course from:

AHIS 5	History of Western Art: Renaissance Through Modern	3.0
AHIS 5H	History of Western Art: Renaissance Through Modern - Honors	3.0
AHIS 6	History of Modern Art	3.0
AHIS 6H	History of Modern Art - Honors	3.0

TOTAL UNITS 30.0

Recommended Electives:

AHIS 4	History of Western Art: Prehistoric Through Gothic
ANIM 172	Motion Graphics with After Effects
ANIM 175	Web Animation with Flash
ARTC 140	Graphic Design III
ARTC 299	Work Experience in Advertising Design / Illustration
ARTD 16	Drawing: Perspective
ARTD 45A	Printmaking: Silk-Screening
ARTS 22	Design: Three Dimensional
PHOT 10	Basic Digital and Film Photography

Histologic Technician Training

BIOLOGICAL SCIENCES DEPARTMENT

MAJOR S1211

This program provides on-campus and on-site technical training in the field of histotechnology, focusing on routine tissue sample preparation, special stains and techniques such as immunohistochemistry, and in situ hybridization. Training on campus will utilize samples routinely prepared in both clinical and research facilities. As part of their formal training, students of histotechnology will work through study guides provided by the American Society of Clinical Pathologists (ASCP) for its certification examination. Partnerships with local facilities will allow for work experience and internship sites, required for certification of histotechnology graduates, and will provide further training for those interested in research and/or careers in the private sector.

Requirements for the Major

Required courses:

ANAT 10B	Introductory Human Physiology, <i>or</i>	4.0	CSU,UC
ANAT 36	Human Physiology	5.0	CSU,UC
ANAT 35	Human Anatomy	5.0	CSU,UC
CHEM 10	Chemistry for Allied Health Majors, <i>or</i>	4.0	CSU,UC
CHEM 40	Introduction to General Chemistry, <i>or</i>	4.0	CSU, UC
CHEM 50	General Chemistry I	5.0	CSU,UC
HT 1	Introduction to Histotechnology	1.0	
HT 2	Scientific Basics for Histologic Technicians	3.0	
HT 10	Histology	3.0	
HT 12	Beginning Histotechniques	5.0	
HT 14	Advanced Histotechniques	4.0	
HT 16	Histochemistry/Immunohistochemistry	4.0	
HT 17	Work Experience In Histotechnology	4.0	
MICR 1	Principles of Microbiology, <i>or</i>	5.0	CSU,UC
MICR 22	Microbiology	4.0	CSU,UC

TOTAL UNITS 41.0 - 44.0

Horse Ranch Management

AGRICULTURAL SCIENCES DEPARTMENT

MAJOR S0102

The program of courses in Agriculture is designed to enable students to prepare for a career in this essential and diverse profession. The Department offers a comprehensive Agricultural Sciences Program and is unique in that most courses provide hands-on experience designed to give the student a combination of practical skills and technical knowledge. Students who intend to transfer should check the lower division requirements in the catalog of the college or university which they will attend and also the semester and year in which courses are offered.

The following programs list all courses needed to satisfy major requirements. Students may obtain certificates upon completion of required courses listed. It is recommended that all students consult with the department chairperson or faculty advisor to file an educational plan.

These programs are intended to prepare students for employment following graduation. Students desiring a bachelor's degree (transfer program) should consult with the department chairperson or counselor or advisor to discuss transferability of courses. The curriculum is flexible in nature to allow for previous experience and specialization in a given area of agriculture and agricultural business.

Requirements for the Major

Required courses:

AGAB 20	Microcomputer Applications in Agriculture	3.0	CSU,UC
AGAG 59	Work Experience in Agriculture, <i>or</i>	1.0	
AGAG 60	Work Experience in Agriculture, <i>or</i>	2.0	
AGAG 61	Work Experience in Agriculture, <i>or</i>	3.0	
AGAG 62	Work Experience in Agriculture	4.0	
AGAN 2	Animal Nutrition	3.0	CSU
AGAN 94	Animal Breeding	3.0	
AGLI 16	Horse Production	4.0	CSU,UC
AGLI 18	Horse Ranch Management	4.0	CSU
AGLI 19	Horse Hoof Care	2.0	CSU
AGLI 20	Horse Behavior and Training	2.0	
AGLI 96	Animal Sanitation and Disease Control	3.0	CSU
AGLI 97	Artificial Insemination of Livestock	2.0	

PLUS

Select six (6) units from:

AGHE 84A	Applied Animal Health Procedures	1.0	
AGOR 53	Small Engine Repair I	3.0	CSU
AGOR 71	Landscape Construction Fundamentals	3.0	CSU
BUSM 20	Principles of Business	3.0	CSU,UC
BUSM 66	Small Business Management	3.0	CSU

TOTAL UNITS 33.0 - 36.0

Hospitality and Restaurant Management

CONSUMER SCIENCE AND DESIGN TECHNOLOGIES

MAJOR S1307

This program provides students with an excellent background for a career in the hospitality and restaurant management industry. Students will have the education necessary for many entry-level positions. Students may wish to pursue a Certificate in Hospitality Management, Restaurant Management, Food Services, or Catering. This program is designed to articulate with the Collins School of Hospitality Management at Cal Poly Pomona, as well as other universities. Students wishing to transfer should consult with Hospitality and Restaurant Management faculty or counselor or advisor to discuss transfer options.

Requirements for the Major

Required courses:

HRM 51	Introduction to Hospitality	3.0	CSU
HRM 52	Food Safety and Sanitation	1.5	CSU
HRM 53	Dining Room Service Management	3.0	CSU
HRM 54	Basic Cooking Techniques	3.0	CSU
HRM 56	Management of Hospitality Personnel and Operations	3.0	CSU
HRM 57	Restaurant Cost Control	3.0	CSU
HRM 64	Hospitality Financial Accounting I	3.0	CSU
HRM 66	Hospitality Law	3.0	CSU
HRM 70	Introduction to Lodging	3.0	CSU

PLUS

Select three (3) units from:

HRM 61	Menu Planning	3.0	CSU
HRM 62	Catering	3.0	CSU
HRM 91	Work Experience in Restaurant/Hospitality	3.0	CSU
NF 20	Principles of Foods With Lab	3.0	CSU

TOTAL UNITS 28.5

Recommended Elective:

HRM 91	Work Experience in Restaurant/Hospitality
--------	---

Human Resource Management

ACCOUNTING AND MANAGEMENT DEPARTMENT

MAJOR S0530

The Human Resource Management degree is intended to prepare students to enter the business world in the dynamic environment of human resources. Students become familiar with various approaches to business organization and the strategic nature of human resource management. Studies in human resource law, compensation systems, training, and development will provide the student a solid foundation from which to build a career in human resource management. Transfer students will gain a strong human resource management business elective base initiating further study in a variety of fields. Students active in the work arena will acquire new skills that are highly desirable in a fast-paced work force.

Requirements for the Major

Required courses:

ANTH 22	General Cultural Anthropology	3.0	CSU,UC
BUSA 70	Payroll and Tax Accounting	3.0	
BUSL 19	Advanced Business Law	3.0	CSU,UC
BUSM 20	Principles of Business	3.0	CSU,UC
BUSM 60	Human Relations in Business	3.0	CSU
BUSM 61	Business Organization and Management	3.0	CSU
BUSM 62	Human Resource Management	3.0	
BUSO 25	Business Communications	3.0	CSU
CISB 15	Microcomputer Applications	4.0	CSU,UC
TOTAL UNITS		28.0	

Integrated Pest Management

AGRICULTURAL SCIENCES

MAJOR S0311

The Integrated Pest Management Program is part of the Agricultural Science Program and prepares students to design and implement comprehensive integrated pest management programs for private or public entities. It qualifies students to take the Pest Control Advisor (PCA) exam administered by the California Department of Pesticide Regulation. Pest Control Advisers provide written recommendations for the application of pesticides. Students learn how to design, install, and manage irrigation systems, set up and implement fertilizer and pest management programs, and properly identify and maintain trees, shrubs, and turf grasses. Student also learn personal management and budgeting skills. Most courses in the program provide hands-on experiences designed to give students a combination of practical skills and technical knowledge. Students who intend to transfer should meet with a counselor or advisor to review lower-division requirements of the college or university they plan to attend.

Requirements for the Major

Required courses:

AGOR 1	Horticulture Science	3.0
AGOR 24	Integrated Pest Management	3.0
AGOR 29	Ornamental Plants - Herbaceous	3.0
AGOR 30	Ornamental Plants - Trees and Woody Shrubs	3.0
AGOR 39	Turfgrass Production and Management	3.0
AGOR 50	Soil Science and Management	3.0
AGOR 62	Landscape Irrigation - Design and Installation	3.0
AGOR 63	Landscape Irrigation Systems Management	3.0
AGOR 91	Work Experience in Nursery Operations	3.0

PLUS

Student must take at least 6 units of any of the following:

BIOL 1, 2, 3, 4, 4H, 6, 6L, 8, 20, 21, 34, 50; BTNY 3;

CHEM 10, 20, 40 50, 50H, 51, 60, 80, 81

PLUS

Student must take 9 units from the following list:

AGOR 2	Plant Propagation	3.0
AGOR 15	Interior Landscaping	3.0
AGOR 32	Landscaping and Nursery Management	3.0
AGOR 40	Sports Turf Management	3.0
AGOR 75	Urban Arboriculture	3.0

TOTAL UNITS 42.0

Interior Design

CONSUMER SCIENCE AND DESIGN TECHNOLOGIES

MAJOR S1301

The Interior Design A.S. degree provides students with an excellent foundation for a successful career in interior design. Students will obtain the skill sets necessary to obtain a variety of positions in the design field. Students desiring a bachelor's degree should consult with a counselor, advisor or faculty member in the interior design program to discuss transfer options.

Requirements for the Major

Required courses:

ID 10	Introduction to Interior Design	3.0	CSU
ID 12	Interior Materials and Products	3.0	CSU
ID 14	History of Furniture and Decorative Arts	3.0	
ID 20	Color and Design Theory I	3.0	
ID 21	Color and Design Theory II	3.0	
ID 22	Design Drawing for Interior Design	3.0	
ID 23	Computer Aided Drawing for Interior Design	3.0	
ID 25	Codes and Specifications for Interior Design	3.0	
ID 26	Space Planning for Interior Design	3.0	
ID 27	Rapid Visualization	3.0	
ID 29	Interior Design Studio I		
ID 31	Building Systems for Interior Design	3.0	
ID 32	Lighting Design	3.0	
ID 34	Computer Aided Drawing for Interior Design II	3.0	
ID 36	Professional Practices for Interior Design, <i>or</i>	3.0	
ID 37	Business Practices for Interior Design	3.0	
ID 38	Internship in Interior Design (1-3 unit course, 2 units required)	2.0	
ID 39	Interior Design Studio II	3.0	
		TOTAL UNITS	50.0

Recommended Electives:

AGOR 13	Interior Landscaping
AGOR 15	Landscaping Design
ARCH 23	Architectural Presentations
ARTG 20	Exhibition Design
BUSA 72	Bookkeeping - Accounting
ID 50	Interior Design Specialized Studio
ID 52	Interior Design Laboratory Studies

Interior Design - Kitchen and Bath Design

CONSUMER SCIENCE AND DESIGN TECHNOLOGIES

MAJOR S1302

The Interior Design: Kitchen and Bath Design A.S. degree provides students with specialized skills in the area of Kitchen and Bath Design and is accredited by the National Kitchen and Bath Association. Students will strengthen career perspectives and develop work to incorporate into a professional portfolio. This certificate may aid in the student's search for an intermediate position as an assistant to a kitchen and bath designer. Students completing this program and meeting the eligibility requirements will qualify to sit for the academic portion of the Certified Kitchen Designer (CKD) and Certified Bath Designer (CBD) upon graduation to earn the Associate Kitchen and Bath Designer (AKBD) designation.

Requirements for the Major

Required courses:

ID 10	Introduction to Interior Design	3.0	CSU
ID 12	Interior Materials and Products	3.0	CSU
ID 14	History of Furniture and Decorative Arts	3.0	
ID 20	Color and Design Theory I	3.0	
ID 21	Color and Design Theory II	3.0	
ID 22	Design Drawing for Interior Design	3.0	
ID 23	Computer Aided Drawing for Interior Design	3.0	
ID 25	Codes and Specifications for Interior Design	3.0	
ID 26	Space Planning for Interior Design	3.0	
ID 27	Rapid Visualization	3.0	
ID 29	Interior Design Studio I		
ID 31	Building Systems for Interior Design	3.0	
ID 32	Lighting Design	3.0	
ID 34	Computer Aided Drawing for Interior Design II	3.0	
ID 36	Professional Practices for Interior Design, or	3.0	
ID 37	Business Practices for Interior Design	3.0	
ID 38	Internship in Interior Design (1-3 unit course, 2 units required)	2.0	
ID 39	Interior Design Studio II	3.0	
ID 40	Kitchen and bath Studio I	3.0	
ID 41	Kitchen and bath Studio II	3.0	
ID 48	Internship in Kitchen and Bath (1-3 unit course, 2 units required)	2.0	

TOTAL UNITS 58.0

Recommended Electives:

ARCH 23	Architectural Presentations
BUSA 72	Bookkeeping - Accounting
BUSM 66	Small Business Management
BUSS 50	Retail Store Management and Merchandising
ID 50	Interior Design Specialized Studio
ID 52	Interior Design Laboratory Studies

International Business

ACCOUNTING AND MANAGEMENT DEPARTMENT

MAJOR S0507

This program is intended to prepare students for employment following graduation. Students wishing a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

BUSL 20	International Business Law	3.0	
BUSM 20	Principles of Business	3.0	CSU,UC
BUSM 50	World Culture: A Business Perspective, <i>or</i>	3.0	CSU
ANTH 22	General Cultural Anthropology	3.0	CSU,UC
BUSM 51	Principles of International Business	3.0	CSU
BUSM 52	Principles of Exporting and Importing	3.0	CSU
BUSM 61	Business Organization and Management	3.0	CSU
BUSM 66	Small Business Management	3.0	CSU
BUSS 36	Principles of Marketing	3.0	CSU

PLUS

Select one (1) course from:

BUSS 70	International Marketing Concepts	3.0	
CHIN 1	Beginning Chinese	4.0	CSU,UC
FRCH 1	Elementary French	4.0	CSU,UC
GERM 1	Elementary German	4.0	CSU,UC
ITAL 1	Elementary Italian	4.0	CSU,UC
JAPN 1	Elementary Japanese	4.0	CSU,UC
SPAN 1	Elementary Spanish	4.0	CSU,UC

TOTAL UNITS 27.0 - 28.0

Recommended Electives:

BUSM 81	Work Experience in Business
BUSM 85	Special Issues in Business
BUSS 85	Special Issues in Marketing

Law Enforcement

PUBLIC SERVICES DEPARTMENT

MAJOR S2102

This program is intended to prepare students for employment following graduation. Students desiring a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

ADJU 1	The Administration of the Justice System	3.0	CSU,UC
ADJU 2	Principles and Procedures of the Justice System	3.0	CSU
ADJU 3	Concepts of Criminal Law	3.0	CSU,UC
ADJU 4	Legal Aspects of Evidence	3.0	CSU
ADJU 5	Community Relations	3.0	CSU,UC
ADJU 68	Administration of Justice Report Writing	3.0	

PLUS

Select four (4) courses from:

ADJU 6	Concepts of Enforcement Services	3.0	
ADJU 13	Concepts of Traffic Services	3.0	
ADJU 20	Principles of Investigation	3.0	CSU
ADJU 38	Narcotics Investigation	3.0	
ADJU 59	Gangs and Corrections	3.0	CSU
ADJU 74	Vice Control	3.0	
CORS 30	Ethnic Relations in Corrections	3.0	
CORS 40	Crime and Delinquency	3.0	
CORS 45	The Violent Offender	3.0	

TOTAL UNITS 30.0

Recommended Electives:

PE-F 50	Physical Skills Preparation for Law Enforcement and Fire Science
PE-F 51	Agility Testing Preparation for Law Enforcement and Fire Science
PE-F 52	Fitness and Conditioning for Law Enforcement, Fire Science and Forestry
SPAN 66	Spanish for Fire and Police Personnel

Licensed Vocational Nurse to RN

NURSING DEPARTMENT

MAJOR S1201

The Mt. San Antonio College Nursing Program, approved and accredited by the California Board of Registered Nursing, is a two-year program designed to prepare men and women to give direct nursing care to clients in various practice settings. The program consists of coursework in nursing, science, general education and clinical nursing practice at local hospitals and health agencies. Graduates of the program receive an Associate in Science degree in Nursing and are eligible to take the NCLEX-RN examination leading to licensure as a Registered Nurse.

The Licensed Vocational Nurse is provided career mobility in the Nursing Program. The Licensed Vocational Nurse may choose between earning an Associate in Science degree in Nursing or completing the LVN 30-Unit Option track which leads to a certificate, not a degree.

PREREQUISITE COURSES 1. Human Anatomy, including a laboratory component, a minimum of four semester units. 2. Human Physiology, including a laboratory component, a minimum of four semester units. 3. Microbiology, including a laboratory component, a minimum of four semester units. 4. English 1A (Writing Composition) minimum of three (3) semester units with a minimum grade of C. 5. PSYC 1A Introduction to Psychology. 6. CHLD 10 Child Growth and Development or PSYC 14 Developmental Psychology

Non-course requirements: 1. An overall grade point average of 2.5 for the Human Anatomy, grade Human Physiology, and Microbiology prerequisite courses with no grade less than a "C" for each course and no more than one repetition of any one of these courses. 2. A cumulative grade point average (GPA) of 2.5 for all college coursework completed. 3. Eligibility for Math 51 4. High school graduation or GED or academic degree from an accredited college/university in the United States. 5. Possess a California Licensed Vocational Nurse license. 6. A physical examination, including specific immunizations is required of all candidates prior to the beginning of nursing classes. 7. Current Level C-Provider CPR certification 8. Criminal background check 9. Nursing 70 Role Transition must be completed with a credit grade prior to entrance into the program. (NURS 70, Role Transition - Due to the clinical component of NURS 70, applicants must submit their names to the Nursing Office for approval prior to enrollment in this course. Applicants must have completed all prerequisite courses prior to taking NURS 70. Applicants must provide proof of current Vocational Nurse License, physical, CPR card, Background Check (passed), and drug testing prior to the start of class.)

Requirements for Nursing

Required courses:

NURS 4	Maternity Nursing	3.0	CSU
NURS 5	Psychiatric Nursing	3.0	CSU
NURS 6	Pediatric Nursing	3.0	CSU
NURS 7	Medical-Surgical Nursing: Nutrition/Elimination/Surgical Asepsis	7.5	CSU
NURS 8	Medical-Surgical Nursing: Circulation and Oxygenation	5.5	CSU
NURS 9	Leadership in Nursing	1.0	CSU
NURS 10	Medical-Surgical Nursing: Integration/Regulation	4.0	CSU
NURS 11	Preceptorship in Nursing	2.0	CSU
TOTAL UNITS		29.0	

Requirements for the Major

ANAT 35	Human Anatomy, <i>and</i>	5.0	CSU, UC
ANAT 36	Human Physiology, <i>or</i>	5.0	CSU, UC
ANAT 10A	Introductory Human Anatomy, <i>and</i>	4.0	CSU, UC
ANAT 10B	Introductory Human Physiology	4.0	CSU, UC
MICR 1	Principles of Microbiology, <i>or</i>	5.0	CSU, UC
MICR 22	Microbiology	4.0	CSU, UC
ENGL 1A	Freshman Composition	3.0	CSU, UC
CHLD 10	Child Growth and Development, <i>or</i>	3.0	CSU, UC
PSYC 14	Developmental Psychology	3.0	CSU, UC
PSYC 1A	Introduction to Psychology	3.0	CSU, UC
SPCH 1A	Public Speaking	3.0	CSU, UC
TOTAL UNITS		24.0 - 27.0	

NOTE: Applicants planning to continue their education and enter a baccalaureate program in nursing will need to complete ANAT 35 and ANAT 36 instead of ANAT 10A and ANAT 10B and MICR 1 instead of MICR 22.

Requirements for the Associate degree

Students must develop an education plan with a counselor or educational advisor to complete college academic requirements for the AS degree. Contact Counseling and Advising Services to schedule an appointment.

Selection Process

Beginning Fall 2006, students applying for admission to the Nursing Program will be required to see either a counselor or educational advisor to verify their eligibility to enter the Nursing program.

Procedure:

Students must complete all course prerequisites prior to requesting an appointment certifying readiness to enter into the Nursing program. Once eligibility has been established, students will enter on a first come first served basis.

The eligibility appointment:

a) Once a student has completed all course prerequisites, the student will then apply to the Nursing Department on an appointment basis.

b) Students who have completed coursework at other colleges must bring the following information to their eligibility appointment:

- Official transcripts of all college work completed at all colleges;
- If the prerequisite courses were completed at another college, a course description and a copy of the course syllabus;
- Students completing college coursework outside of the United States will need to have their transcripts evaluated by an approved international transcript evaluation agency and must bring the final evaluation to their appointment (students may be able to obtain a list of agencies from the Admissions Office).
- Due to specific deadlines for International Student applications, please inform the Counselor/Educational Advisor that this applies to you.

c) All students will need to bring official proof of high school graduation, GED, or college graduation from an accredited institution in the United States.

APPOINTMENTS FOR ELIGIBILITY VERIFICATION WILL ONLY BE MADE DURING THE FOLLOWING MONTHS:

- September 1 - October 31
- March 1 - April 30

Students should also be aware that once they have been admitted to the Nursing program and before beginning the clinical portion of the program, they will need to be able to pass both a criminal background check, including a screening by the Office of Inspector General for welfare or Social Security fraud, as well as testing negative for drug use.

ALL APPLICANTS ARE REQUIRED TO MEET THE ESSENTIAL FUNCTIONS FOR SUCCESS IN THE NURSING PROGRAM.

Physical Demands:

- Perform prolonged, extensive, or considerable standing/walking, lifting positioning, pushing, and/or transferring patients
- Possess the ability to perform fine motor movements with hands and fingers
- Possess the ability for extremely heavy effort (lift/carry 50 lbs. or more)
- Perform considerable reaching, stooping, bending, kneeling, and crouching.

Sensory Demands:

- Color vision: ability to distinguish and identify colors (may be corrected with adaptive devices).
- Distance vision: ability to see clearly 20 feet or more
- Depth perception: ability to judge distance and space relationships
- Near vision: ability to see clearly 20 inches or less
- Hearing: able to recognize a full range of tones

Working Environment:

- May be exposed to infectious and contagious disease, without prior notification
- Regularly exposed to the risk of blood borne diseases
- Exposed to hazardous agents, body fluids and wastes
- Exposed to odorous chemicals and specimens
- Subject to hazards of flammable, explosive gases
- Subject to burns and cuts
- Contact with patients having different religious, culture, ethnicity, race sexual orientation, psychological and physical disabilities, and under a wide variety of circumstances
- Handle emergency or crisis situations
- Subject to many interruptions
- Requires decisions/actions related to end of life issues
- Exposed to products containing latex

English Language Skills:

Although proficiency in English is not a criterion for admission into the Licensed Vocational Nurse to RN Program, students must be able to speak, write and read English to ensure patient safety and to complete classes successfully.

Livestock Management

AGRICULTURAL SCIENCES DEPARTMENT

MAJOR S0103

The program of courses in Agriculture is designed to enable students to prepare for a career in this essential and diverse profession. The Department offers a comprehensive Agricultural Sciences Program and is unique in that most courses provide hands-on experience designed to give the student a combination of practical skills and technical knowledge. Students who intend to transfer should check the lower division requirements in the catalog of the college or university which they will attend and also the semester and year in which courses are offered.

The following programs list all courses needed to satisfy major requirements. Students may obtain certificates upon completion of required courses listed. It is recommended that all students consult with the department chairperson, faculty advisor, or counselor to file an educational plan.

These programs are intended to prepare students for employment following graduation. Students desiring a bachelor's degree (transfer program) should consult with the department chairperson or faculty advisor to discuss transferability of courses. The curriculum is flexible in nature to allow for previous experience and specialization in a given area of agriculture and agricultural business.

Requirements for the Major

Required courses:

AGAB 20	Microcomputer Applications in Agriculture	3.0	CSU,UC
AGAG 1	Food Production, Land Use and Politics - A Global Perspective	3.0	CSU,UC
AGAG 59	Work Experience in Agriculture	1.0 – 4.0	
AGAG 91	Agricultural Calculations	3.0	
AGAN 1	Animal Science	3.0	CSU,UC
AGAN 2	Animal Nutrition	3.0	CSU
AGAN 94	Animal Breeding	3.0	
AGLI 14	Swine Production	3.0	CSU
AGLI 16	Horse Production	4.0	CSU,UC
AGLI 17	Sheep Production	3.0	CSU
AGLI 30	Beef Production	3.0	CSU
AGLI 34	Livestock Judging and Selection	2.0	CSU,UC
AGLI 96	Animal Sanitation and Disease Control	3.0	CSU

PLUS

Select six (6) units from:

AGOR 53	Small Engine Repair I	3.0	CSU
AGOR 71	Landscape Construction Fundamentals	3.0	CSU
BUSM 20	Principles of Business	3.0	CSU,UC
BUSM 66	Small Business Management	3.0	CSU
BUSS 35	Professional Selling	3.0	CSU
BUSS 36	Principles of Marketing	3.0	CSU

TOTAL UNITS 43.0 - 46.0

Manufacturing Technology

AIRCRAFT MAINTENANCE TECH & MANUFACTURING DEPT.

MAJOR S0918

This curriculum is designed to prepare the student for entrance into the manufacturing field in one of the machining occupations, such as machinist (manual, N/C, and CAD/CAM), or machinist apprentice.

Graduates may enter the manufacturing field in areas dealing with production, research and development, tool and die construction, mold making, or computerized manufacturing. Laboratory practice utilizes industrial types of equipment and precision measuring instruments to provide training in the various machining occupations. Setup and tooling procedures and part verification upon completion of the metal removing process are covered. Instruction on all types of lathes, mills, grinders, and specialized equipment such as EDM and CNC is included. Supplementary instruction is also provided in bench work, layout, inspection process, blueprint reading, metal composition, heat treatment, assembly procedures, jig and fixture design, and construction.

Requirements for the Major

Required courses:

MFG 10	Mathematics and Blueprint Reading for Manufacturing	3.0	
MFG 11	Manufacturing Processes I	2.0	CSU
MFG 12	Manufacturing Processes II	2.0	CSU
MFG 15	AutoCAD 2D	2.0	
MFG 17	3-D CAD - Mechanical Modeling	2.0	
MFG 19	Parametric Solid Modeling for Manufacturing	2.0	
MFG 38	MasterCAM I	2.0	CSU
MFG 38B	MasterCAM II	2.0	CSU
MFG 39	SurfCAM I	2.0	CSU
MFG 39B	SurfCAM II	2.0	CSU
MFG 85	Manual Computerized Numerical Control (CNC) Programming	2.0	CSU

PLUS

Select two (2) course from:

MFG 25	Advanced Parametric Solid Modeling for Manufacturing	2.0	
MFG 27	Autodesk Inventor	2.0	
WELD 40	Introduction to Welding	2.0	CSU

TOTAL UNITS 27.0

Marketing Management

BUSINESS ADMINISTRATION DEPARTMENT

MAJOR S0510

This program is intended to prepare students for employment following graduation. Students wishing a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

BUSA 7	Principles of Accounting - Financial, <i>or</i>	5.0	CSU,UC
BUSA 72	Bookkeeping - Accounting	5.0	
BUSM 20	Principles of Business	3.0	CSU,UC
BUSM 61	Business Organization and Management	3.0	CSU
BUSO 25	Business Communications	3.0	CSU
BUSS 35	Professional Selling	3.0	CSU
BUSS 36	Principles of Marketing	3.0	CSU
BUSS 70	International Marketing Concepts	3.0	
BUSS 85	Special Issues in Marketing	2.0	
CISB 15	Microcomputer Applications	4.0	CSU,UC

PLUS

Select one (1) course from:

BUSC 1A	Principles of Economics - Macroeconomics, <i>or</i>	3.0	CSU,UC
BUSC 1AH	Principles of Economics - Macroeconomics - Honors	3.0	CSU,UC
BUSC 1B	Principles of Economics - Microeconomics, <i>or</i>	3.0	CSU,UC
BUSC 1BH	Principles of Economics - Microeconomics - Honors	3.0	CSU,UC
BUSC 17	Applied Business Statistics	3.0	CSU,UC
BUSM 60	Human Relations in Business	3.0	CSU
BUSO 5	Business English	3.0	

TOTAL UNITS 32.0

Mental Health Technology - Psychiatric Technician

PSYCHIATRIC TECHNICIAN DEPARTMENT

MAJOR S1208

Completion of coursework leads to an Associate in Science degree. The Psychiatric Technology Program will prepare students to take the California State Licensure Examination for Psychiatric Technicians.

Requirements for the Major

Required courses:

MENT 40	Introduction to Interviewing and Counseling	3.0	
MENT 56	Medical - Surgical Nursing for Psychiatric Technicians	9.0	
MENT 56L	Clinical Experience	4.0	
MENT 58D	Advanced Medical - Surgical Nursing and Pharmacology for PT	4.0	
MENT 58L	Advanced Medical - Surgical Nursing for Psychiatric Technicians Clinical	1.5	
MENT 70	Introduction to Psychiatric Technology	1.5	
MENT 70L	Introduction to Psychiatric Technology Clinical Technicians	2.0	
MENT 72	Nursing Care of the Developmentally Disabled Person	7.0	
MENT 72L	Nursing Care of the Developmentally Disabled Person - Clinical	5.5	
MENT 73L	Psychiatric Nursing for Psychiatric Technicians Clinical	5.5	
MENT 73T	Psychiatric Nursing for Psychiatric Technicians	6.0	
MENT 82	Work Experience in Mental Health Technology	2.0	
PSYC 1A	Introduction to Psychology	3.0	CSU,UC
TOTAL UNITS		54.0	

Special Information

Additional general education courses needed for completion of the Associate in Science degree requirements are listed in the Mt. San Antonio College Catalog, but are not required to qualify the student for the California State Board Examination.

To remain in the program, students must maintain a "C" or better grade in all courses.

The student will qualify to take the California State Board Examination upon completion of all the above courses, except MENT 82.

Entrance Requirements

In addition to meeting Mt. San Antonio College's academic standards for admission, applicants must be in good standing and satisfy the following requirements:

- a) Be a high school graduate or equivalent. (All students who have taken coursework outside of the United States must have their transcript evaluated. Foreign transcripts will not be accepted without the evaluation.)
- b) Be 18 years of age.
- c) File a college application and be accepted as a student at Mt. San Antonio College.
- d) Submit an application for the Mental Health/Psychiatric Technician Program to the Technology and Health Division Office (909) 594-5611, Ext. 4750. All applications are dated upon receipt in the Technology and Health Division Office. A program begins each fall and spring semester.
- e) Take the required English Placement Test (AWE). Eligibility for ENGL 68 is advised.

If you have already taken a college placement exam within the past two years at another school, arrange to have your test scores forwarded to the Technology and Health Division Office. (If you were tested at Mt. San Antonio College, the office will obtain the test scores as long as an "Application for Admission" is on file with the Admissions and Records Office.)

Testing is administered by the Assessment Center, located in the Student Services Center. Arrangements should be made with them to schedule a day and time to take the English Placement Test, if required. The Assessment Center is open Monday through Friday. You may contact them at (909) 594-5611, Ext. 4265.

f) Forward two official transcripts of all coursework completed (high school, nursing school, and other than Mt. San Antonio College courses.) One transcript must be sent to the Technology and Health Division Office and the other to the Admissions and Records Office.

g) For students who possess a college degree, the English Placement Test is not required. However, it will be necessary for a student to obtain two official copies of the college transcript showing the degree issued. One transcript

must be sent to the Technology and Health Division Office and the other to the Admissions and Records Office.

NOTE: Concerning Entrance Requirements 'e' and 'f', if the course(s) were taken and/or the degree obtained at Mt. San Antonio College, it is not necessary to request transcripts.

Indicate in the mailing address the program for which your transcript is being sent to the Technology and Health Division Office.

EXAMPLE: Mt. San Antonio College Technology and Health Division Psychiatric Technician Program 1100 North Grand Avenue Walnut, CA 91789-1399

h) A physical examination, including specific immunizations, and consent/ disclaimer for Hepatitis A/B vaccine is required of all candidates prior to beginning classes. Students must provide proof that he/she does not have Tuberculosis. These requirements are in accordance with the healthcare agency policy that insures that students are in good health and free from communicable disease and able to perform their training functions. Drug testing may also be required as part of this physical examination. Proof of high school graduation and malpractice insurance are required of all candidates upon acceptance.

i) Certain convictions may prevent a candidate from being licensed as a Psychiatric Technician.

j) All students may be required to pass a background check prior to entering the clinical education phase.

Selection Procedure

In determining eligibility of an applicant, consideration will be given to satisfactory scores on the English Placement Test.

The College will make every effort to notify the applicant of acceptance by mail no less than two months prior to the beginning of a program. All Applicants are required to meet the Essential Functions for Success in the Mental Health Technology - Psychiatric Technician Program.

ALL APPLICANTS ARE REQUIRED TO MEET THE ESSENTIAL FUNCTIONS FOR SUCCESS IN THE MENTAL HEALTH TECHNOLOGY - PSYCHIATRIC TECHNICIAN PROGRAM.

Physical Demands:

- Perform prolonged, extensive, or considerable standing/walking, lifting positioning, pushing, and/or transferring patients
- Possess the ability to perform fine motor movements with hands and fingers
- Possess the ability for extremely heavy effort (lift and carry at least 125pounds)
- Perform considerable reaching, stooping, bending, kneeling, and crouching

Sensory Demands:

- Color vision: ability to distinguish and identify colors (may be corrected with adaptive devices)
- Distance vision: ability to see clearly 20 feet or more
- Depth perception: ability to judge distance and space relationships
- Near vision: ability to see clearly 20 inches or less
- Hearing: able to recognize a full range of tones

Working Environment:

- May be exposed to infectious and contagious disease, without prior notification
- Regularly exposed to the risk of blood borne diseases
- Exposed to hazardous agents, body fluids and wastes
- Exposed to odorous chemicals and specimens
- Subject to hazards of flammable, explosive gases
- Subject to burns and cuts
- Contact with patients having different religious, culture, ethnicity, race, sexual orientation, psychological and physical disabilities, and under a wide variety of circumstances
- Handle emergency or crisis situations
- Subject to many interruptions
- Requires decisions/actions related to end of life issues
- Exposed to products containing latex

English Language Skills:

Although proficiency in English is not a criterion for admission into the Mental Health Technology-Psychiatric Technician Program, students must be able to speak, write and read English to ensure patient safety and to complete classes successfully.

The Mt. San Antonio College Nursing Program, approved and accredited by the California Board of Registered Nursing, is a two-year program designed to prepare men and women to give direct nursing care to clients in various practice settings. The program consists of coursework in nursing, science, general education and clinical nursing practice at local hospitals and health agencies. Graduates of the program receive an Associate in Science degree in Nursing and are eligible to take the NCLEX-RN examination leading to licensure as a Registered Nurse.

Prerequisite Courses:

1. Human Anatomy, including a laboratory component, a minimum of four (4) semester units.
2. Human Physiology, including a laboratory component, a minimum of four (4) semester units.
3. Microbiology, including a laboratory component, a minimum of four (4) semester units.
4. English 1A (Writing Composition) minimum of three (3) semester units with a minimum grade of C.

Non-course requirements:

1. An overall grade point average of 2.5 for the Human Anatomy, Human Physiology, and Microbiology prerequisite courses with no grade less than a "C" for each course and no more than one repetition of any one of the courses.
2. A cumulative grade point average (GPA) of 2.5 for all college coursework completed.
3. Eligibility for Math 51
4. High school graduation or GED or academic degree from an accredited college/university in the United States.
5. Criminal background check and drug screening must be completed prior to any patient contact.
6. A physical examination, including specific immunizations is required of all candidates prior to the beginning of nursing classes.
7. Current Level C-Provider CPR certification

Regarding Licensure:

The California Board of Registered Nursing (BRN) protects the consumer by screening applicants for licensure in order to identify potentially unsafe practitioners. The BRN may deny applications for interim permits, temporary licenses, and permanent licensure, if the applicant has been found guilty of dishonesty, fraud or deceit, felony child abuse, sex offend crimes, acts involving narcotics, dangerous drugs or devices, assault and/or battery, and other crimes. Applicants who have questions regarding limitations related to licensure should contact the California Board of Registered Nursing at (916) 322-3350 or access its website at www.rn.ca.gov

Requirements for Nursing

Required courses:

NURS 1A	The Nursing Process I	5.0	CSU
NURS 1B	The Nursing Process II	5.0	CSU
NURS 2	Pharmacology	2.0	CSU
NURS 3	Medical-Surgical Nursing: Locomotion/Sensation/ Integument/Oncology/Immunology	3.5	CSU
NURS 4	Maternity Nursing	3.0	CSU
NURS 5	Psychiatric Nursing	3.0	CSU
NURS 6	Pediatric Nursing	3.0	CSU
NURS 7	Medical-Surgical Nursing: Nutrition/Elimination/Surgical Asepsis	7.5	CSU
NURS 8	Medical-Surgical Nursing: Circulation and Oxygenation	5.5	CSU
NURS 9	Leadership in Nursing	1.0	CSU
NURS 10	Medical-Surgical Nursing: Integration/Regulation	4.0	CSU
NURS 11	Preceptorship in Nursing	2.0	CSU

TOTAL UNITS 44.5

Requirements for the Major

ANAT 35	Human Anatomy, and	5.0	CSU, UC
---------	--------------------	-----	---------

ANAT 36	Human Physiology, <i>or</i>	5.0	CSU, UC
ANAT 10A	Introductory Human Anatomy, <i>and</i>	4.0	CSU, UC
ANAT 10B	Introductory Human Physiology	4.0	CSU, UC
MICR 1	Principles of Microbiology, <i>or</i>	5.0	CSU, UC
MICR 22	Microbiology	4.0	CSU, UC
ENGL 1A	Freshman Composition	3.0	CSU, UC
CHLD 10	Child Growth and Development, <i>or</i>	3.0	CSU, UC
PSYC 14	Developmental Psychology	3.0	CSU, UC
PSYC 1A	Introduction to Psychology	3.0	CSU, UC
SPCH 1A	Public Speaking	3.0	CSU, UC

TOTAL UNITS 24.0 - 27.0

PSYC 1A must be completed prior to entrance into NURS 5: Psychiatric Nursing. CHLD 10, or PSYC 14 must be completed prior to entrance into NURS 6: Pediatric Nursing.

NOTE: Applicants planning to continue their education and enter a baccalaureate program in nursing will need to complete ANAT 35 and ANAT 36 instead of ANAT 10A and ANAT 10B and MICR 1 instead of MICR 22.

Requirements for the Associate degree

Students must develop an education plan with a counselor or educational advisor to complete college academic requirements for the A.S. degree. Contact Counseling and Advising Services to schedule an appointment.

Application Process:

Due to the high demand of nursing applications, Mt. San Antonio College Associate Degree Nursing Program will be temporarily suspending applications for the Fall 2011 and Spring 2012 semesters. We will be revising the application process on an as-needed basis. Please check the Nursing Web site (<http://www.mtsac.edu/instruction/tech-health/nursing>) frequently for updates and information.

Students should also be aware that once they have been admitted to the Nursing program and before beginning the clinical portion of the program, they will need to be able to pass both a criminal background check, including a screening by the Office of Inspector General for welfare or Social Security fraud, as well as testing negative for drug use.

ALL APPLICANTS ARE REQUIRED TO MEET THE ESSENTIAL FUNCTIONS FOR SUCCESS IN THE NURSING PROGRAM.

Physical Demands:

- Perform prolonged, extensive, or considerable standing/walking, lifting positioning, pushing, and/or transferring patients
- Possess the ability to perform fine motor movements with hands and fingers
- Possess the ability for extremely heavy effort (lift/carry 50 lbs. or more)
- Perform considerable reaching, stooping, bending, kneeling, crouching.

Sensory Demands:

- Color vision: ability to distinguish and identify colors (may be corrected with adaptive devices).
- Distance vision: ability to see clearly 20 feet or more
- Depth perception: ability to judge distance and space relationships
- Near vision: ability to see clearly 20 inches or less
- Hearing: able to recognize a full range of tones

Working Environment:

- May be exposed to infectious and contagious disease, without prior notification
- Regularly exposed to the risk of blood borne diseases
- Exposed to hazardous agents, body fluids and wastes
- Exposed to odorous chemicals and specimens

- Subject to hazards of flammable, explosive gases
- Subject to burns and cuts
- Contact with patients having different religious, culture, ethnicity, race, sexual orientation, psychological and physical disabilities, and under a wide variety of circumstances
- Handle emergency or crisis situations
- Subject to many interruptions
- Requires decisions/actions related to end of life issues
- Exposed to products containing latex

English Language Skills:

Although proficiency in English is not a criterion for admission into the Nursing Program, students must be able to speak, write and read English to ensure patient safety and to complete classes successfully.

Ornamental Horticulture

AGRICULTURAL SCIENCES DEPARTMENT

MAJOR S0119

The courses in ornamental horticulture are designed to enable students to prepare for exciting careers in the essential and diverse horticulture profession. Careers in nursery management, retail garden centers, landscape design, installation and maintenance, arboretum and botanic gardens, arboriculture, interior landscaping, education, and research are just some of the options.

This degree is part of our comprehensive agricultural sciences program. Our program is unique in that most courses provide hands-on experience and are designed to give the student combination of practical skills and technical knowledge. Students who intend to transfer should meet with a counselor or advisor to check the lower division requirements in the catalog of the college or university which they will attend and also the semester and year in which courses are offered.

Listed below are the courses needed to satisfy major requirements. It is recommended that students consult with the department chairperson, advisor or counselor to file an educational plan. For additional information, please call the Agricultural Sciences Department, ext. 4540, or visit the Mt. SAC Web site at www.mtsac.edu/instruction/sciences/agriculture.

Requirements for the Major

Required courses:

AGAG 1	Food Production, Land Use and Politics - A Global Perspective	3.0	CSU,UC
AGOR 1	Horticultural Science	3.0	CSU
AGOR 2	Plant Propagation/Greenhouse Management	3.0	CSU
AGOR 13	Landscape Design	3.0	CSU
AGOR 24	Integrated Pest Management	3.0	CSU
AGOR 29	Ornamental Plants - Herbaceous	3.0	CSU,UC
AGOR 30	Ornamental Plants - Trees and Woody Shrubs	3.0	CSU,UC
AGOR 32	Landscaping and Nursery Management	3.0	CSU
AGOR 39	Turf Grass Production and Management	3.0	CSU
AGOR 50	Soil Science and Management	3.0	CSU,UC
AGOR 62	Landscape Irrigation - Design and Installation	3.0	CSU
AGOR 71	Landscape Construction Fundamentals	3.0	CSU
AGOR 91	Work Experience in Nursery Operations	1.0 - 4.0	

PLUS

Select six (6) units from:

AGOR 15	Interior Landscaping	3.0	
AGOR 25	Floral Design I	3.0	CSU
AGOR 26	Floral Design II	3.0	CSU
AGOR 40	Sports Turf Management	3.0	
AGOR 51	Tractor and Landscape Equipment Operations	3.0	CSU
AGOR 53	Small Engine Repair I	3.0	CSU
AGOR 63	Landscape Irrigation Systems Management	3.0	
AGOR 72	Landscape Hardscape Applications	3.0	CSU
AGOR 75	Urban Arboriculture	3.0	
CISB 15	Microcomputer Applications	4.0	CSU,UC

TOTAL UNITS 43.0 - 46.0

Paralegal/Legal Assistant

BUSINESS ADMINISTRATION

MAJOR S0310

The paralegal program is intended to prepare students for employment as paralegals in both private and public sectors following graduation. The American Bar Association (ABA) By-Laws Section 21.12 uses the terms paralegal and legal assistant interchangeably referring to persons who, although not members of the legal profession, are qualified through education, training, or work experience and are employed or retained by a lawyer, law office, governmental agency, or other entity in a capacity or function which involves the performance, under the direction and supervision of an attorney, of specifically delegated substantive legal work. Paralegals/legal assistants must comply with the legal restrictions in the practice of law by nonlawyers. The California Business & Professions Code, §6450 et seq, governs paralegals in California.

Requirements for the Major

Required courses:

PLGL 30	Introduction to Paralegal	3.0	CSU
PLGL 31A	Legal Analysis and Writing	3.0	
PLGL 31B	Advanced Legal Analysis and Writing	3.0	CSU
PLGL 33A	Civil Procedure - Pre-Trial	3.0	CSU
PLGL 33B	Civil Procedure - Trial and Post-Trial	3.0	CSU
PLGL 35A	Law Office Procedures	3.0	CSU
PLGL 35B	Automated Law Office Procedures	3.0	CSU
PLGL 37	Tort Law	3.0	CSU
PLGL 38	Employment and Ethical Issues in Paralegalism	2.0	CSU
PLGL 39	Contract Law	3.0	CSU

PLUS

Choose two courses from:

PLGL 40	Landlord-Tenant Law	3.0	CSU
PLGL 41	Property Law	3.0	CSU
PLGL 42	Family Law	3.0	CSU
PLGL 43	Wills and Trusts	3.0	CSU
PLGL 44	Bankruptcy Law	3.0	CSU
PLGL 45	Creditor's Rights	3.0	CSU
PLGL 48	Criminal Law and Procedures	3.0	CSU
PLGL 49	Evidence Law	3.0	CSU
PLGL 50	Comparative Law	3.0	
BUSL 18	Business Law, <i>or</i>	3.0	CSU,UC
BUSL 18H	Business Law - Honors	3.0	CSU, UC
BUSL 19	Advanced Business Law	3.0	CSU, UC
BUSL 20	International Business Law	3.0	

TOTAL UNITS 35.0

Park and Sports Turf Management

AGRICULTURAL SCIENCES DEPARTMENT

MAJOR S0116

The courses in park and sports turf management are designed to enable students to prepare for a career in this essential and diverse profession. This degree is part of our comprehensive Agricultural Sciences Program. The program is unique in that most courses provide hands-on experience designed to give the student a combination of practical skills and technical knowledge. Students who intend to transfer should meet with a counselor or advisor to check the lower division requirements in the catalog of the college or university which they will attend and also the semester and year in which courses are offered.

This program is intended to prepare students to manage a park or sports facility and also for employment following graduation. Students will learn how to design, install and manage irrigation systems, set up and implement fertilizer and pest management programs, design and properly install a complete landscape (including all plants and hard scape), and properly identify and maintain trees, shrubs and turf grasses. In addition, students will learn about personnel management, budgeting and other management topics.

Requirements for the Major

Required courses:

AGOR 4	Park Management	3.0	
AGOR 5	Park Facilities	3.0	
AGOR 13	Landscape Design	3.0	CSU
AGOR 24	Integrated Pest Management	3.0	CSU
AGOR 29	Ornamental Plants - Herbaceous	3.0	CSU,UC
AGOR 30	Ornamental Plants - Trees and Woody Shrubs	3.0	CSU,UC
AGOR 39	Turf Grass Production and Management	3.0	CSU
AGOR 40	Sports Turf Management	3.0	CSU
AGOR 50	Soil Science and Management	3.0	
AGOR 51	Tractor and Landscape Equipment Operations	3.0	CSU
AGOR 62	Landscape Irrigation - Design and Installation	3.0	CSU
AGOR 63	Landscape Irrigation Systems Management	3.0	
AGOR 71	Landscape Construction Fundamentals	3.0	CSU
AGOR 73	Landscaping Laws, Contracting and Estimating	3.0	
AGOR 75	Urban Arboriculture	3.0	
AGOR 91	Work Experience in Nursery Operations	1.0 – 4.0	

TOTAL UNITS 46.0 - 49.0

Pet Science

AGRICULTURAL SCIENCES DEPARTMENT

MAJOR S0104

The program of courses in Agriculture is designed to enable students to prepare for a career in this essential and diverse profession. The Department offers a comprehensive Agricultural Sciences Program and is unique in that most courses provide hands-on experience designed to give the student a combination of practical skills and technical knowledge. Students who intend to transfer should meet with a counselor or advisor to check the lower division requirements in the catalog or the college or university they will attend and also the semester and year in which courses are offered.

The following programs list all courses needed to satisfy major requirements. Students may obtain certificates upon completion of required courses listed. It is recommended that all students consult with the department chairperson, counselor or advisor to file an educational plan.

These programs are intended to prepare students for employment following graduation. Students desiring a bachelor's degree (transfer program) should consult with the department chairperson, counselor or advisor to discuss transferability of courses. The curriculum is flexible in nature to allow for previous experience and specialization in a given area of agriculture and agricultural business.

Requirements for the Major

Required courses:

AGAB 20	Microcomputer Applications in Agriculture	3.0	CSU,UC
AGAN 1	Animal Science	3.0	CSU,UC
AGAN 2	Animal Nutrition	3.0	CSU
AGAN 51	Animal Handling and Restraint	3.0	CSU
AGAN 94	Animal Breeding	3.0	
AGLI 96	Animal Sanitation and Disease Control	3.0	CSU
AGPE 70	Pet Shop Management	3.0	
AGPE 71	Canine Management	3.0	
AGPE 72	Feline Management	3.0	
AGPE 73	Tropical and Coldwater Fish Management	2.0	
AGPE 74	Reptile Management	2.0	
AGPE 76	Aviculture - Cage and Aviary Birds	3.0	
TOTAL UNITS		34.0	

Photography

COMMERCIAL AND ENTERTAINMENT ARTS

MAJOR S1002

This program is designed to prepare the student for employment in the field of photography. A variety of career opportunities are available in photography, art, cinema, communications, industrial arts, graphics, and journalism. Students desiring a bachelor's degree should consult with an advisor or catalog of the institution they wish to attend regarding transferability of courses.

Requirements for the Major

Required courses:

GRAP 10	Photoshop Imagery	3.0	
PHOT 10	Basic Digital and Film Photography	3.0	CSU,UC
PHOT 11	Advanced Professional Photography	4.0	
PHOT 12	Photographic Alternatives	3.0	CSU,UC
PHOT 14	Commercial Lighting	3.0	
PHOT 15	History of Photography	3.0	CSU,UC
PHOT 16	Fashion Photography, <i>or</i>	3.0	
PHOT 18	Portraiture and Wedding Photography	3.0	
PHOT 17	Photocommunication	3.0	
PHOT 20	Color Photography	3.0	
PHOT 21	Exploring Color Photography	3.0	
PHOT 28	Photography Portfolio Development	3.0	
PHOT 30	Commercial and Illustrative Photography	3.0	

TOTAL UNITS 37.0

Recommended Electives:

AHIS 1	Understanding the Visual Arts, <i>or</i>
ARTB 1	Understanding the Visual Arts
GRAP 12	Advanced Photo Editing with Photoshop
PHOT 1	Laboratory Studies: Black and White Photography
PHOT 25	Digital Capture Work Flow
PHOT 29	Studio Business Practices for Commercial Artists

Physical Education

PHYSICAL EDUCATION DEPARTMENT

MAJOR S0806

This program is designed to prepare students for employment in the field of Physical Education. Students wishing a bachelor's degree (transfer program) should consult with a counselor or advisor to file an educational plan and to discuss transferability.

Requirements for the Major

Required courses:

ANAT 35	Human Anatomy	5.0	CSU,UC
ANAT 36	Human Physiology	5.0	CSU,UC
NF 10	Nutrition for Personal Health and Wellness, <i>or</i>	3.0	CSU
NF 25	Essentials of Nutrition, <i>or</i>	3.0	CSU,UC
NF 25H	Essentials of Nutrition - Honors	3.0	CSU,UC
PE 3	First Aid and CPR, <i>or</i>	3.0	CSU,UC
PE 5	Advanced First Aid/CPR/Emergency Response	3.0	CSU
PE 17	Introduction to Physical Education	3.0	CSU,UC
PE 19	Introduction to Care/Prevention of Activity/Sports - Related Injuries	3.0	CSU,UC
PE 34	Fitness for Living	3.0	CSU,UC

PLUS

Select eight (8) courses from:

DNCE	Dance: Activity	0.5 - 2.0	CSU,UC
PE-A	Physical Education: Aquatics	0.5 - 2.0	CSU,UC
PE-F	Physical Education: Fitness	0.1 - 2.5	CSU,UC
PE-I	Physical Education: Individual	0.5 - 1.0	CSU,UC
PE-L	Physical Education: Adaptive	0.5 - 1.0	CSU,UC
PE-S	Physical Education: Team Sports	0.5 - 1.0	CSU,UC

TOTAL UNITS 28.6 - 41.5

Psychiatric Technician to RN

NURSING DEPARTMENT

MAJOR S1209

The Mt. San Antonio College Nursing Program, approved and accredited by the California Board of Registered Nursing, is a two-year program designed to prepare men and women to give direct nursing care to clients in various practice settings. The program consists of coursework in nursing, science, general education and clinical nursing practice at local hospitals and health agencies. Graduates of the program receive an Associate in Science degree in Nursing and are eligible to take the NCLEX-RN examination leading to licensure as a Registered Nurse. The Psychiatric Technician is provided career mobility into the Nursing Program to earn an Associate degree in Nursing.

Prerequisite Courses:

1. Human Anatomy, including a laboratory component, a minimum of four semester units.
2. Human Physiology, including a laboratory component, a minimum of four semester units.
3. Microbiology, including a laboratory component, a minimum of four semester units.
4. English 1A (Writing Composition) minimum of three semester units with units with a minimum grade of C.
5. PSYC 1A Introduction to Psychology
6. CHLD 10 Child Growth and Development or PSYC 14 Developmental Psychology

Non-course requirements:

1. An overall grade point average of 2.5 for the Human Anatomy, Human Physiology, and Microbiology prerequisite courses with no grade less than a "C" for each course and no more than one repetition of any
2. A cumulative grade point average (GPA) of 2.5 for all college coursework completed.
3. Eligibility for MATH 51.
4. High school graduation or GED or academic degree from an accredited college/university in the United States.
5. Possess a current California Psychiatric Technician License.
6. Criminal background check and drug screening must be passed prior to any patient contact.
7. A physical examination, including specific immunizations is required of all candidates prior to the beginning of nursing classes.
8. Current Level C-Provider CPR certification
9. Nursing 70 Role Transition must be completed with a credit grade prior to entrance into the program.

(NURS 70: Role Transition - Due to the clinical component of NURS 70, applicants must submit their names to Nursing Office for approval prior to enrollment in this course. Applicants must have completed all prerequisite courses prior to taking NURS 70. Applicants must provide proof of current Psychiatric Technician License, physical, CPR card, Background Check, and drug test prior to the start of class.)

Requirements for Nursing

Required courses:

NURS 3	Medical-Surgical Nursing: Locomotion/Sensation/ Integument/Oncology/Immunology	3.5	CSU
NURS 4	Maternity Nursing	3.0	CSU
NURS 6	Pediatric Nursing	3.0	CSU
NURS 7	Medical-Surgical Nursing: Nutrition/Elimination/Surgical Asepsis	7.0	CSU
NURS 8	Medical-Surgical Nursing: Circulation and Oxygenation	5.0	CSU
NURS 9	Leadership in Nursing	1.0	CSU
NURS 10	Medical-Surgical Nursing: Integration/Regulation	4.0	CSU
NURS 11	Preceptorship in Nursing	2.0	CSU

TOTAL UNITS 28.5

Requirements for the Major

ANAT 35	Human Anatomy, <i>and</i>	5.0	CSU, UC
ANAT 36	Human Physiology, <i>or</i>	5.0	CSU, UC
ANAT 10A	Introductory Human Anatomy, <i>and</i>	4.0	CSU, UC
ANAT 10B	Introductory Human Physiology	4.0	CSU, UC
MICR 1	Principles of Microbiology, <i>or</i>	5.0	CSU, UC
MICR 22	Microbiology	4.0	CSU, UC
ENGL 1A	Freshman Composition, <i>or</i>	4.0	CSU, UC
CHLD 10	Child Growth and Development, <i>or</i>	3.0	CSU, UC
PSYC 14	Developmental Psychology	3.0	CSU, UC
PSYC 1A	Introduction to Psychology	3.0	CSU, UC
SPCH 1A	Public Speaking	3.0	CSU, UC

TOTAL UNITS 25.0 - 27.0

NOTE: Applicants planning to continue their education and enter a baccalaureate program in nursing will need to complete ANAT 35 and ANAT 36 instead of ANAT 10A and ANAT 10B and MICR 1 instead of MICR 22.

Requirements for the Associate degree

Students must develop an education plan with a counselor or educational advisor to complete college academic requirements for the A.S. degree. Contact Counseling and Advising Services to schedule an appointment.

Selection Process

Beginning Fall 2006, students applying for admission to the Nursing Program will be required to see either a counselor or educational advisor to verify their eligibility to enter the Nursing program.

Procedure:

Students must complete all course prerequisites prior to requesting an appointment for certifying readiness to enter into the Nursing program. Once eligibility has been established, students will enter on a first come first served basis.

The eligibility appointment:

a) Once a student has completed all course prerequisites, the student will then apply to the Nursing Department on an appointment basis.

b) Students who have completed coursework at other colleges must bring the following information to their eligibility appointment:

- Official transcripts of all college work completed at all colleges;
- If the prerequisite courses were completed at another college, a course description and a copy of the course syllabus;
- Students completing college coursework outside of the United States will need to have their transcripts evaluated by an approved international transcript evaluation agency and must bring the final evaluation to their appointment (students may be able to obtain a list of agencies from the Admissions Office).
- Due to specific college deadlines for International Student applications, please inform the Counseling/Educational Advisor that this applies to you.

c) All students will need to bring official proof of high school graduation, GED, or college graduation from an accredited institution in the United States.

APPOINTMENTS FOR ELIGIBILITY VERIFICATION WILL ONLY BE MADE DURING THE FOLLOWING MONTHS:

- September 1 - October 31
- March 1 - April 30

Students should also be aware that once they have been admitted to the Nursing program and before beginning the clinical portion of the program, they will need to be able to pass both a criminal background check, including a screening by the Office of Inspector General for welfare or Social Security fraud, as well as testing negative for drug use. ALL APPLICANTS ARE REQUIRED TO MEET THE ESSENTIAL FUNCTIONS FOR SUCCESS IN THE NURSING PROGRAM.

Physical Demands:

- Perform prolonged, extensive, or considerable standing/walking, lifting, positioning, pushing, and/or transferring patients
- Possess the ability to perform fine motor movements with hands and fingers
- Possess the ability for extremely heavy effort (lift/carry 50 lbs. or more)
- Perform considerable reaching, stooping, bending, kneeling, and crouching

Sensory Demands:

- Color vision: ability to distinguish and identify colors (may be corrected with adaptive devices).
- Distance vision: ability to see clearly 20 feet or more
- Depth perception: ability to judge distance and space relationships
- Near vision: ability to see clearly 20 inches or less
- Hearing: able to recognize a full range of tones

Working Environment:

- May be exposed to infectious and contagious disease, without prior notification
- Regularly exposed to the risk of blood borne diseases
- Exposed to hazardous agents, body fluids and wastes
- Exposed to odorous chemicals and specimens
- Subject to hazards of flammable, explosive gases
- Subject to burns and cuts
- Contact with patients having different religious, culture, ethnicity, race, sexual orientation, psychological and physical disabilities, and under a wide variety of circumstances
- Handle emergency or crisis situations
- Subject to many interruptions
- Requires decisions/actions related to end life issues
- Exposed to products containing latex

English Language Skills:

Although proficiency in English is not a criterion for admission into the Nursing Program, students must be able to speak, write and read English to ensure patient safety and to complete classes successfully.

Radio Broadcasting: Behind the Scenes

COMMERCIAL AND ENTERTAINMENT ARTS

MAJOR S0606

The Radio Broadcasting Behind-the-Scenes degree is designed for students who are interested in the non-performance side of the broadcasting industry. Instruction in this major prepares students for entry-level jobs in a variety of areas including production, promotion, copywriting and management. Students also receive instruction in the business side of the industry and can further customize their program by selecting from a variety of optional courses. Students intending to pursue a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

R-TV 01	Introduction to Broadcasting	3.0	CSU
R-TV 09	Broadcast Sales and Promotion	3.0	
R-TV 10	Radio Management and Programming	3.0	
R-TV 11A	Beginning Radio Production	3.0	CSU
R-TV 11B	Advanced Radio Production	3.0	CSU
R-TV 12	Commercial Copywriting	3.0	
R-TV 15	Broadcast Business Practices	3.0	
R-TV 16	Broadcast Career Preparation	3.0	
R-TV 96	Campus Radio Station Lab	1.0 – 2.0	
R-TV 97A	Radio/Entertainment Industry Seminar, <i>and</i>	1.0	
R-TV 97B	Radio/Entertainment Industry Internship	1.0	

PLUS

Select nine (9) units from:

R-TV 26	Legal Issues in Entertainment Law	3.0	
R-TV 31	History of Radio DJs	3.0	
R-TV 32	R-TV Internet Applications	3.0	
R-TV 33	Radio Show Producer Techniques and Procedures	3.0	

TOTAL UNITS 31.0 - 32.0

Radio Broadcasting: On the Air

COMMERCIAL AND ENTERTAINMENT ARTS

MAJOR S0605

The Radio Broadcasting On-The-Air degree is designed to prepare students for an entry-level job in a variety of performance areas of the broadcasting industry, including disc jockey, news anchor, sportscaster, and commercial voice-overs. Students also receive instruction in the business side of the industry and can further customize their program by selecting from a variety of optional courses. Students intending to pursue a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

R-TV 01	Introduction to Broadcasting	3.0	CSU
R-TV 02	On-Air Personality Development, <i>or</i>	3.0	CSU
R-TV 02A	On-Air Personality Development - Spanish Market	3.0	CSU
R-TV 05	Radio-TV Newswriting	3.0	
R-TV 07A	Beginning Commercial Voice-Overs	3.0	
R-TV 11A	Beginning Radio Production	3.0	CSU
R-TV 11B	Advanced Radio Production	3.0	CSU
R-TV 15	Broadcast Business Practices	3.0	
R-TV 96	Campus Radio Station Lab	1.0 – 2.0	
R-TV 97A	Radio/Entertainment Industry Seminar	1.0	
R-TV 97B	Radio/Entertainment Industry Internship	1.0	

PLUS

Select nine (9) units from:

R-TV 03	Sportscasting and Reporting	1.5	
R-TV 04	Broadcast News Field Reporting	3.0	
R-TV 06	Broadcast Traffic Reporting	1.5	
R-TV 07B	Advanced Commercial Voice-Overs	3.0	
R-TV 09	Broadcast Sales and Promotion	3.0	
R-TV 10	Radio Management and Programming	3.0	
R-TV 12	Commercial Copywriting	3.0	
R-TV 17	Internet Radio and Podcasting	3.0	
R-TV 26	Legal Issues in Entertainment Law	3.0	
R-TV 31	History of Radio DJs	3.0	
R-TV 32	Radio-TV Internet Applications	3.0	
R-TV 33	Radio Show Producer Techniques and Procedures	3.0	

TOTAL UNITS 33.0 - 34.0

Radiologic Technology

RADIOLOGIC TECHNOLOGY DEPARTMENT

MAJOR S1206

The course of study in Radiologic Technology offered at Mt. San Antonio College and its affiliated hospitals will prepare students to be certified radiologic technologists. Students will gain knowledge and understanding of the diagnostic uses of x-ray, as well as the technical skills to use x-ray equipment in both laboratory and clinical settings. The courses are developed to enable students to operate x-ray equipment, assist in the diagnosis of disease, and to observe proper medical ethics. Students will learn the nature of radiation, the principles of electricity, the structure of x-ray machines, and the operation of a clinical x-ray department.

To remain in the program, students must maintain a grade of "C" or better in all courses.

Upon completion of the Associate in Science degree in Radiologic Technology, graduates are eligible to apply for the registry examination through the American Registry of Radiologic Technologists and the California Certification of Radiologic Technology. This is a licensed profession, and a valid Social Security Number is required to obtain state certification and national licensure.

Requirements for the Major

Required courses:

ANAT 10A	Introductory Human Anatomy	4.0	CSU,UC
MEDI 90	Medical Terminology	3.0	CSU
RAD 30	Radiographic Pathology	1.5	
RAD 31	Fluoroscopy	2.0	
RAD 32	Digital Imaging in Radiology	2.0	
RAD 50	Radiologic Technology	3.0	CSU
RAD 52A	Techniques of Radiologic Technology	5.0	CSU
RAD 52B	Techniques of Radiologic Technology	2.5	CSU
RAD 53	Techniques of Radiologic Technology	5.0	CSU
RAD 54	Techniques of Radiologic Technology	3.0	CSU
RAD 55A	Techniques of Radiologic Technology	7.5	CSU
RAD 55B	Techniques of Radiologic Technology	2.5	CSU
RAD 56	Techniques of Radiologic Technology	7.0	CSU
RAD 57	Techniques of Radiologic Technology	4.5	CSU
RAD 61A	Theory of Radiologic Technology	4.0	CSU
RAD 61B	Radiographic Positioning	3.0	CSU
RAD 61C	Radiologic Technology Seminar	1.5	CSU
RAD 62A	Theory of Radiologic Technology	4.0	CSU
RAD 62B	Radiographic Positioning	3.0	CSU
RAD 62C	Radiologic Technology Seminar	1.5	CSU
RAD 63	Theory of Radiologic Technology	4.0	CSU
RAD 64	Theory of Radiologic Technology	4.0	CSU
RAD 91	Nursing Procedures in Radiologic Technology	1.5	CSU

TOTAL UNITS 79.0

NOTE: ANAT 10A, and MEDI 90 may be taken prior to entering program.

NOTE: ANAT 10A, and MEDI 90 may be taken prior to entering program.

Admission Requirements:

In addition to meeting Mt. San Antonio College's academic standards for admission, applicants must be in good standing and satisfy the following requirements:

- Applicant must be 18 years of age upon entrance into the program.
- High school graduate or equivalent.

- c) Possess a valid Social Security Card. This is a licensed profession, and a valid Social Security Number is required to obtain state certification and national licensure.
- d) File a college application and be accepted as a student at Mt. San Antonio College.
- e) Take the college placement examination which is used as an indicator. If you have already taken a college placement test exam within the past two years at another school, arrange to have your scores forwarded to the Technology and Health Division Office. (If you were tested at Mt. San Antonio College, the Technology and Health Division Office will obtain the test scores as long as an "Applicatoin for Admission" is on file with the Admissions and Records Office.) Arrangement should be made with the Service Center to schedule a date and time to take the college placement examination if required. The Assessment Center is open Monday through Friday. You may contact them at (909)594-5611 ext. 4265.
- f) Complete the following prerequisite courses with a minimum grade of "C" in each course.
1. General High School Algebra (one year) or Introductory College Alegbra (one semester) or MATH 51 (Elementary Algebra, or equivalent);
 2. General High School Chemsistry (one year) or Introductory College Chemistry (one semester) or CHEM 10 - Chemistry for Allied Health. Students must complete prerequisite courses before applying to the program.
- g) After completion of the prerequisites, submit an application for the Radilologic Technology Program to the Technology and Health Division Office (909) 594-5611, ext. 4750. All applications are dated upon receipt in the Technology and Health Division Office. A program begins each summer intersession.
- h) Forward two official transcripts of all coursework completed (high school, and other than Mt. San Antonio Colelge courses). One transcript must be sent to Technology and Health Division Office and the other to Admissions and Records.
- i) For students who possess a college degree, the English placement test is not required, however, it will be necessary for a student to obtain two official copies of the college transcript showing the degree issued. One official transcript must be sent to Technology and Health Division Office and the other to Admissions and Records. If the courses were taken and/or the degree obtained at Mt. San Antonio College, it is not necessary to request transcripts. Request the transcript for the Division Office be addressed as follows:
- Mt. San Antonio College
Technology and Health Division
Radiologic Technology Program
1100 North Grand Avenue
Walnut CA 91789-1299
- j) Make an appointment with an educational advisor to review genereal education requirements for graduation.

Acceptance Requirements:

- a) A mandatory orientation meeting with the Radiologic Technology Department will be held during the spring semester. You will be contacted with date and time of orientation once you have been accepted.
- b) A physical examination, including certain immunizations and drug testing is required as part of the physical examination for all radiologic technology students before entrance into the clinical setting. Forms and information will be provided at time of orientation.
- c) All students will be required to pass a criminal background check prior to entering the clinical education phase (a valid Social Security Number is required to complete this process.)

Selection Procedure:

Selection of students is based upon the completion of the above admission requirements and date of application. The Department will make every effort to notify the applicant of acceptance by mail no less than one month prior to beginning of a program.

Program Completion Requirements:

- a) In addition to the major requirements and general education, students must also complete a course in venipuncture for radiographers. This course is offered through Continuing Education but may be taken elsewhere with prior approval from the department.
- b) A course in mammography is also offered in the final semester for graduate students and licensed radiographers. This course is optional.

Working Environment:

- May be exposed to infectious and contagious disease, without prior notification
- Regularly exposed to the risk of blood borne diseases
- Exposed to hazardous agents, body fluids and wastes
- Exposed to odorous chemicals and specimens
- Subject to hazards of flammable, explosive gases
- Subject to burns and cuts
- Contact with patients having different religious, culture, ethnicity, race, sexual orientation, psychological and physical disabilities, and under a wide variety of circumstances
- Handle emergency or crisis situations
- Subject to many interruptions
- Requires decisions/actions critical to patient safety
- Exposed to products containing latex.

Required Skills and Physical Abilities:

In order to ensure student and patient safety and welfare, the radiologic technology student must have sufficient strength, motor coordination, manual dexterity, intellectual capacity, and sensory functions to be able to:

- a) Transport, move, lift, or transfer patients from a wheelchair or gurney to an x-ray table or to a patient bed.
- b) Lift arms above the head to move the x-ray tube assembly.
- c) Move, adjust, and manipulate portable and fluoroscopic equipment according to established procedures and standards of speed and accuracy while conducting radiographic examinations.
- d) Maneuver well enough to physically protect himself or herself from injury caused by patients exhibiting aggressive behaviors.
- e) Physically place patients in the proper positions for the examination according to established procedures and standards of speed and accuracy.
- f) Rapidly respond to situations involving the health and safety of patients, providing physical and emotional support to the patient during radiographic procedures, providing basic first aid and emergency care in the absence of or until a physician arrives.
- g) Function adequately under stressful situations related to technical and procedural standards of patient care situations.
- h) Hear well enough (average 30 decibels for both ears) to respond to directions or calls for help from individuals remote from the location of the student.
- i) Speak English clearly enough to explain and direct procedural information to patients, and to communicate with physicians, technical staff, and faculty. Students for which English is a second language may be required to complete a verbal communication assessment prior to entering the program.
- j) Calculate and select proper technical exposure factors according to the individual needs of the patient's condition and requirements of the procedure with speed and accuracy.
- k) View and evaluate the recorded images of a radiograph for the purpose of identifying proper patient positioning, accurate procedural sequencing, proper exposure (and/or "s" number), and other established technical qualities.

English Language Skills:

Although proficiency in English is not a criterion for admission into the Radiologic Technology Program, students must be able to speak, write and read English to ensure patient safety and to complete classes successfully.

Real Estate

BUSINESS ADMINISTRATION DEPARTMENT

MAJOR S0512

This program prepares students for employment following graduation. Students wishing a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses. The requirements for a degree in real estate include the eight classes needed prior to applying to take the Real Estate Broker License Exam as well as several additional classes designed to strengthen the skills needed to succeed in a career in real estate.

Requirements for the Major

Required courses:

BUSR 50	Real Estate Principles	3.0	CSU
BUSR 51	Legal Aspects of Real Estate	3.0	
BUSR 52	Real Estate Practice, <i>or</i>	3.0	
BUSR 52D	Real Estate Practice Work Experience	3.0	
BUSR 53	Real Estate Finance	3.0	
BUSR 55	Real Estate Economics	3.0	
BUSR 81	Appraisal: Principles and Procedures	3.5	
CISB 15	Microcomputer Applications	4.0	CSU,UC

PLUS

Group A

Select two (2), three (3) or four (4) courses from:

BUSR 57	Income Tax Aspects of Real Estate Investments	3.0	
BUSR 59	Real Estate Property Management	3.0	
BUSR 60	Real Estate Investment Planning	3.0	
BUSR 62	Mortgage Loan Brokering and Lending	3.0	
BUSR 76	Escrow Procedures I	3.0	

PLUS

Group B

Select zero (0), one (1) or two (2) courses from:

BUSA 7	Principles of Accounting - Financial	5.0	CSU,UC
BUSA 11	Fundamentals of Accounting	3.0	
BUSA 72	Bookkeeping - Accounting	5.0	
BUSL 18	Business Law	3.0	CSU,UC
BUSM 20	Principles of Business	3.0	CSU,UC
BUSM 60	Human Relations in Business	3.0	CSU
BUSM 66	Small Business Management	3.0	CSU
BUSO 5	Business English	3.0	
BUSO 25	Business Communications	3.0	CSU
BUSO 26	Oral Communications for Business	3.0	
BUSS 35	Professional Selling	3.0	CSU
BUSS 36	Principles of Marketing	3.0	CSU
PSYC 1A	Introduction to Psychology	3.0	CSU,UC

TOTAL UNITS 34.5 - 44.5

Real Estate Appraisal

BUSINESS ADMINISTRATION DEPARTMENT

MAJOR S0513

This program prepares students for employment following graduation. Students wishing a bachelor's degree (transfer program) should consult with an advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

BUSR 81	Appraisal: Principles and Procedures	3.5
BUSR 82	Uniform Standards of Professional Appraisal Practice	1.0
BUSR 83	Residential Appraisal	3.5
BUSR 84	Residential Appraisal: Case Studies	2.5

PLUS

Select seven (7) courses from:

BUSA 11	Fundamentals of Accounting	3.0	
BUSR 50	Real Estate Principles	3.0	CSU
BUSR 51	Legal Aspects of Real Estate	3.0	
BUSR 53	Real Estate Finance	3.0	
BUSR 55	Real Estate Economics	3.0	
BUSR 57	Income Tax Aspects of Real Estate Investments	3.0	
BUSR 59	Real Estate Property Management	3.0	
BUSR 76	Escrow Procedures I	3.0	
CISB 15	Microcomputer Applications	4.0	CSU,UC
INSP 70	Elements of Construction	3.0	CSU

TOTAL UNITS 31.5 - 32.5

Registered Veterinary Technology

AGRICULTURAL SCIENCES DEPARTMENT

MAJOR S0105

The program of courses in Agriculture is designed to enable students to prepare for a career in this essential and diverse profession. The department offers a comprehensive agricultural sciences program and is unique in that most courses provide hands-on experience designed to give the student a combination of practical skills and technical knowledge. Students who intend to transfer should check the lower division requirements in the catalog of the college or university which they plan to attend and also the semester and year in which courses are offered.

The following programs list all courses needed to satisfy major requirements. It is recommended that all students consult with the department chairperson or faculty advisor to file an educational plan. Students must file an educational plan with the Director of the Registered Veterinary Technology Program during the first year of study.

These programs are intended to prepare students for employment following graduation. Students desiring a bachelor's degree (transfer program) should consult with the department chairperson, counselor or advisor to discuss transferability of courses.

This degree is designed to prepare students for careers as Registered Veterinary Technicians who will work under the supervision of licensed private organizations including veterinary hospitals, research vivariums, animal shelters, and other animal care agencies. Students who satisfactorily complete the requirements of this program are eligible to take the State of California Certifying Examination for Registered Veterinary Technicians.

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

Requirements for the Major

Required courses 1st year:

AGAN 1	Animal Science	3.0	CSU,UC
AGAN 2	Animal Nutrition	3.0	CSU,UC
AGAN 51	Animal Handling and Restraint	3.0	CSU
AGAN 94	Animal Breeding	3.0	
AGHE 54	Veterinary Office Procedures	3.0	
AGLI 96	Animal Sanitation and Disease Control	3.0	CSU

Required courses 2nd year:

AGHE 60	Medical Nursing and Animal Care	4.0	CSU
AGHE 61	Surgical Nursing	4.0	CSU
AGHE 62A	Clinical Pathology	4.0	CSU
AGHE 62B	Clinical Pathology	4.0	CSU
AGHE 64	Veterinary Pharmacology	3.0	CSU
AGHE 65	Veterinary Radiography	2.0	CSU
AGHE 79	Laboratory Animal Medicine and Care	3.0	CSU
AGHE 84A	Applied Animal Health Procedures, <i>or</i>	1.0	
AGHE 84B	Applied Animal Health Procedures	1.0	
AGHE 85	Seminar in Animal Health Technology	1.0	
AGHE 86	Anatomy and Physiology of Domestic Animals	4.0	

PLUS

Select four (4) units of work experience:

AGHE 83A	Work Experience in Animal Health	1.0 – 2.0	
----------	----------------------------------	-----------	--

PLUS

Select six (6) units from:

AGLI 12	Exotic Animal Management	3.0	
AGLI 14	Swine Production	3.0	CSU
AGLI 16	Horse Production	4.0	CSU,UC

AGLI 17	Sheep Production	3.0	CSU
AGLI 18	Horse Ranch Management	4.0	CSU
AGLI 19	Horse Hoof Care	2.0	CSU
AGLI 30	Beef Production	3.0	CSU
AGPE 70	Pet Shop Management	3.0	
AGPE 71	Canine Management	3.0	
AGPE 72	Feline Management	3.0	
AGPE 73	Tropical and Coldwater Fish Management	2.0	
AGPE 74	Reptile Management	2.0	
AGPE 76	Aviculture - Cage and Aviary Birds	3.0	
TOTAL UNITS		58.0	

Respiratory Therapy

RESPIRATORY TECHNOLOGY DEPARTMENT

MAJOR S1205

The Respiratory Therapy Program, which is accredited by the Committee on Accreditation for Respiratory Care (COARC), is designed to train students to function as Respiratory Therapists.

Respiratory Therapy is the application of technical skills involving a complete understanding of cardiopulmonary physiology and recognition of various pathological conditions that alter the patient's ability to breathe effectively.

By applying medical gases under pressure - i.e., compressed air, oxygen, and other mixtures - to the airways through the use of various kinds of equipment, the therapist, under the direction of the physician, treats the diseased or ineffective respiratory system.

Some mechanical aptitude and the ability to perform fine motor movements with hands and fingers is required in learning the operation of specialized equipment. This includes diagnostic apparatus which aids the physician in detecting cardiorespiratory diseases.

Requirements for the Major

Required courses:

RESD 50	Theory and Principles of Respiratory Therapy	2.0	CSU
RESD 51A	Respiratory Therapy Science	4.0	CSU
RESD 51B	Respiratory Therapy Science	4.0	CSU
RESD 52	Pulmonary Anatomy and Physiology	3.0	CSU
RESD 53	Cardiopulmonary Pathophysiology	3.0	CSU
RESD 55	Adult Respiratory Intensive Care	3.0	CSU
RESD 56A	Techniques of Respiratory Therapy	2.5	CSU
RESD 56B	Techniques of Respiratory Therapy	6.0	CSU
RESD 56C	Techniques of Respiratory Therapy	2.5	CSU
RESD 56D	Techniques of Respiratory Therapy	6.0	CSU
RESD 57A	Special Procedures for Respiratory Care	1.5	CSU
RESD 57B	Special Procedures for Respiratory Care	1.5	CSU
RESD 58	Neonatal Intensive Care	3.0	CSU
RESD 59	Respiratory Therapeutic Modalities	3.0	CSU
RESD 60	Comprehensive Pulmonary Assessment	2.0	CSU
RESD 61	Current Issues in Respiratory Care	3.0	CSU
TOTAL UNITS		50.0	

Entrance Requirements:

In addition to meeting Mt. San Antonio College's academic standards for admission, applicants must be in good standing and satisfy the following requirements:

- 1) Applicant must be at least 18 years of age upon entrance into the program and must be a high school graduate or equivalent. Please provide copy of diploma as proof of high school completion.
- 2) File a college application and be accepted as a student at Mt. San Antonio College.
- 3) Applicant must take the College placement exams before taking any of the prerequisite or respiratory therapy courses.

NOTE: Testing is administered by the Assessment Center located in the Student Services Center, Building 9B. You may contact them at (909) 594-5611, ext. 4265, to set up an appointment.

If you have taken English and math at another college, please provide college transcripts.

For students who possess a college degree, the college placement examination is not required. However, it will be necessary for the applicant to obtain two official copies of the college transcript showing the degree issued. One official transcript must be sent to the Respiratory Therapy Program Office and the other to the Admissions Office. If the degree was obtained at Mt. SAC, it is not necessary to request transcripts. Transcripts should be addressed as follows:

Mt. San Antonio College
Technology and Health Division
Respiratory Therapy Program
1100 North Grand Avenue
Walnut CA 91789-1389

4) Submit an application for the Respiratory Therapy Program to the Technology and Health Division Office (Bldg. 28A, Room 101E), (909) 594-5611, ext. 4750. All applications are dated upon receipt.

It is highly recommended that students complete their general education requirements prior to entering the program.

Foreign Transcripts:

All coursework taken outside of the United States must be analyzed by a designated agency for foreign transcript evaluation. No foreign course work will be accepted without this evaluation. It is the sole responsibility of the applying student to get the evaluation completed before entry into the program. Information for transcript evaluation is available in the Technology and Health Division.

A.S. degree Requirements

All students entering the Respiratory Therapy Program **MUST** complete all the major course requirements and the general education requirements necessary to complete the Associate degree before a certificate documenting completion in Respiratory Therapy will be given. This certificate will permit the student to sit for all National Board for Respiratory Care (NBRC), Incorporated, examinations.

Other Requirements:

RESD 50 pre-requisites ANAT 10A/10B, CHEM 10, MATH 51 must be completed prior to entering the program.

All students will be required to complete a background check prior to entering the clinical education phase.

A physical examination, including specific immunizations, is required of all candidates prior to beginning classes. These requirements are in accordance with healthcare agency policy that insures that students are in good health and free from communicable disease and able to perform their training functions. Drug testing is required as a part of this physical examination. All Applicants are required to meet the Essential Functions for Success in the Respiratory Therapy Program.

Physical Demands:

- Perform prolonged, extensive, or considerable standing/walking, lifting, positioning, pushing, and/or transferring patients
- Possess the ability to perform fine motor movements with hands and fingers
- Possess the ability for extremely heavy effort (lift and carry at least 50 pounds or more)
- Perform considerable reaching, stooping, bending, kneeling, and crouching

Sensory Demands

- Color vision: ability to distinguish and identify colors (may be corrected with adaptive devices)
- Distance vision: ability to see clearly 20 feet or more
- Depth perception: ability to judge distance and space relationships
- Near vision: ability to see clearly 20 inches or less
- Hearing: able to recognize a full range of tones

Working Environment:

- May be exposed to infectious and contagious disease, without prior notification
- Regularly exposed to the risk of blood borne diseases
- Exposed to hazardous agents, body fluids and wastes
- Exposed to odorous chemicals and specimens
- Subject to hazards of flammable, explosive gases
- Subject to burns and cuts
- Contact with patients having different religious, culture, ethnicity, race, sexual orientation, psychological and physical disabilities, and under a wide variety of circumstances

- Handle emergency or crisis situations
- Subject to many interruptions
- Requires decisions/actions related to end of life issues
- Exposed to products containing latex

English Language Skills:

Although proficiency in English is not a criterion for admission into the Respiratory Therapy Program, students must be able to speak, write and read English to ensure patient safety and to complete classes successfully.

Special Information

The completion of the Respiratory Therapy Program and receipt of a certificate documenting completion of required courses requires completion of the Associate degree. The student may elect to pursue either the Associate in Science or Associate in Arts degree.

All students entering the program must submit an educational plan showing the major course requirements with the general education requirements for the degree.

To remain in the program, students must maintain a "C" or better grade in all courses.

Upon completion of the Respiratory Therapy requirements, the student is given a certificate documenting completion. This certification will permit the student to sit for all National Board for Respiratory Care (NBRC), Incorporated, examinations.

Readmission Policy

To remain in the program, students must maintain a "C" or better grade in all courses. Students who are dropped, failed, or withdrew from the program may request readmission for the following year in the semester in which they were stopped or may re-start the program. Students who re-start the program will be required to retake all Respiratory Therapy courses even if satisfactory grades were received. Re-entry may occur only one time.

Sign Language/Interpreting

SIGN LANGUAGE DEPARTMENT

MAJOR S0801

The Mt. San Antonio College Interpreter Training Program is designed to prepare individuals for careers as Sign Language Interpreters. Interpreters are needed wherever communication happens between the hearing community and the Deaf and hard-of-hearing community. There are an endless number of settings in which this communication takes place. Interpreters are employed by school districts, cruiseship companies, corporations, government agencies, hospitals, colleges and universities, and a vast number of other organizations and private businesses.

Program Preparation: Preparation for the program includes fluency in American Sign Language demonstrated by the completion of SIGN 104, American Sign Language 4, (or the equivalent skill) and English fluency demonstrated by the completion of ENGL 1A.

National Certification: There are many specialties within the field of Sign Language Interpreting, but the focus of this program is on preparing the interpreter generalist. Although requiring some type of certification is becoming more common in California, there are still many job opportunities for the precertified interpreter.

Completing the certificate in Sign Language/Interpreting does not make one a "Certified Interpreter"; however, graduates of this program are encouraged to apply for National Interpreting Certification (NIC) through the Registry of Interpreters for the Deaf (RID) at www.rid.org.

Students who complete the required courses listed below and who also complete the graduation requirements of Mt. San Antonio College will be awarded the Associate in Science degree in Sign Language/Interpreting.

Requirements for the Major

Required courses:

SIGN 105	American Sign Language 5	4.0	
SIGN 108	Fingerspelling	2.0	
SIGN 201	Deaf Perspectives	3.0	
SIGN 202	American Deaf Culture	3.0	CSU,UC
SIGN 210	American Sign Language Structure	3.0	CSU,UC
SIGN 220	Translation: American Sign Language/English	3.0	CSU
SIGN 223	Principles of Interpreting	3.0	CSU
SIGN 225	Ethical Decision Making for Interpreters	2.0	
SIGN 227	Cognitive Processing for Interpreters	4.0	
SIGN 231	Interpreting	4.0	
SIGN 232	Advanced Interpreting	4.0	
SIGN 239	Practicum	1.0	

PLUS

Select three (3) courses from:

SIGN 99	Special Projects in Sign Language/Interpreting	2.0	
SIGN 238	Oral Transliteration	3.0	
SIGN 240	Vocabulary Building for Interpreters	2.0	CSU
SIGN 250	Interpreting with Classifiers	1.5	
SIGN 260	Video Interpreting	1.5	
SL 2	Linked Service Learning	1.0	CSU

TOTAL UNITS 40.0 - 43.0

Small Business Management

ACCOUNTING AND MANAGEMENT DEPARTMENT

MAJOR S0508

This program is intended to prepare students for employment following graduation. Students wishing a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

BUSA 7	Principles of Accounting - Financial	5.0	CSU,UC
BUSM 10	Principles of Continuous Quality Improvement	3.0	
BUSM 20	Principles of Business	3.0	CSU,UC
BUSM 60	Human Relations in Business	3.0	CSU
BUSM 61	Business Organization and Management	3.0	CSU
BUSM 62	Human Resource Management	3.0	
BUSM 66	Small Business Management	3.0	CSU
BUSS 36	Principles of Marketing	3.0	CSU
CISB 15	Microcomputer Applications	4.0	CSU,UC
TOTAL UNITS		30.0	

Recommended Electives:

BUSM 81	Work Experience in Business
BUSM 85	Special Issues in Business
BUSS 85	Special Issues in Marketing

The Small Business Management faculty recommend that students complement their studies with selected elective courses chosen from the list above. Students should meet with a professor of Small Business Management to help them determine which electives would best suit their career plans.

Television Production

COMMERCIAL AND ENTERTAINMENT ARTS

MAJOR S0602

Students will gain experience in film-style production, remote and studio production. This course of study qualifies the student for an Associate in Science degree in television production, and is designed to prepare a student for an entry-level job in the industry in a variety of areas. This includes not only skills used in production, but also preproduction, editing, financial and legal affairs.

Requirements for the Major

Required courses:

R-TV 01	Introduction to Broadcasting	3.0	CSU
R-TV 14	Media Aesthetics	3.0	
R-TV 19A	Beginning Television Production	3.0	CSU
R-TV 19B	Advanced Television Production	3.0	CSU
R-TV 22	Editing for Film and Television	3.0	
R-TV 100A	Work Experience in Film and TV	2.0	

PLUS

Select 12.0-12.5 units from:

R-TV 05	Radio-TV Newswriting	3.0	
R-TV 18	Writing for Television/Film	3.0	CSU
R-TV 20	Television News Production	3.0	
R-TV 21	Remote Television Production and Engineering	3.5	
R-TV 23	Reality Show Production	3.0	

TOTAL UNITS 29.5

Recommended Electives:

ANIM 115	Storyboarding
R-TV 26	Current Issues in Entertainment Law
THTR 17	Acting for the Camera

Welding

AIR CONDITIONING, WATER & WELDING TECHNOLOGIES

MAJOR S0919

This program is designed to prepare the student for employment in the broad field of welding. It leads to occupations in manufacturing and repair and helps prepare the student for positions in supervision.

Courses in the welding curriculum prepare students for welding certification. The college is a testing agency for the City of Los Angeles and is authorized to administer the performance test for the Structural Welding Certificate. There is a \$50 charge for students and \$60 for non-students to take this test. Topics of the written portion of the test which is administered by the city are reviewed in various welding courses offered by the college.

This program is intended to prepare students for employment following graduation. Students desiring a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

Requirements for the Major

Required courses:

WELD 40	Introduction to Welding	2.0	CSU
WELD 50	Oxyacetylene Welding	2.0	
WELD 51	Basic Electric Arc Welding	2.0	
WELD 53A	Welding Metallurgy	3.0	CSU
WELD 70A	Beginning Arc Welding	3.0	
WELD 70B	Intermediate Arc Welding	3.0	
WELD 70C	Certification for Welders	3.0	
WELD 80	Construction Fabrication and Welding	3.0	

TOTAL UNITS 21.0

Recommended Electives:

BUSM 61	Business Organization and Management
EDT 11	Technical Engineering Drawing I
MFG 70	Technical Mathematics - Manufacturing Applications
WELD 30	Metal Sculpture
WELD 60	Print Reading and Computations for Welders
WELD 81	Pipe and Tube Welding