

**SAN BERNARDINO VALLEY COLLEGE
SUBMITTED FOR BOARD OF TRUSTEE APPROVAL**

NEW COURSES			
COURSE ID		EFF DATE	RATIONALE
ANTHRO 106H	<p>Course ID: ANTHRO 106H Course Title: Physical Anthropology - Honors Units: 3 Lecture: 3 Hours Laboratory: None Prerequisite: None</p> <p>Description for Catalog and Schedule: The systematic study of humans as biological organisms including the origin and antiquity of humanity, our place in nature, modern biological diversity including race, and the future prospects for the human species. Enrollment is limited to students eligible for the Honors Program.</p>	FA06	<p>This course will provide honors students with another choice, one specially needed to fulfill transfer requirements and breadth requirements in life science for CSU.</p>
CIT 025	<p>Course ID: CIT 025 Course Title: Microsoft Office Outlook Units: 2 Lecture: 2 Hours Laboratory: None Prerequisite: None</p> <p>Catalog and Schedule Description: An introduction to a personal information management program that helps you organize your busy schedule. Learn how to track schedules, organize meetings, create e-mail messages, share information and data within workgroups, and maintain contact lists.</p>	FA06	<p>Outlook is widely used software in many of the business offices; learning how to use Outlook effectively has become a necessity to be successful in today's jobs.</p> <p>This course has been created and added to the certificate of the CIT Department to provide our students with essential skills that prepare them to be more successful and organized in their duties. The CIT Advisory Committee has strongly suggested this course as an independent one since it provides students with required skills for today's job.</p>
CIT 060	<p>Course ID: CIT 060 Course Title: General Office Procedures Units: 2 Lecture: 1 Hour Laboratory: 3 Hours Prerequisite: CIT 013, CIT 020, CIT 031 and CIT 100 Dept. Advisory: ENGL 914</p> <p>Catalog Description: This course offers training in essential skills necessary for general office employment and on-the-job performance. Students participate in office simulations that integrate software techniques, written and verbal communication skills, email, time management, and human relations skills with typical workplace activities, responsibilities, and general office routines.</p> <p>Schedule Description: This course is a capstone course that provides students with training in essential skills necessary for successful office employment. Students participate in office simulations that assist them in developing skills that are necessary to function successfully in an office setting.</p>	FA06	<p>This is a capstone course that will integrate and refine the office skills learned in other office technology and software application courses.</p> <p>The CIT Advisory Committee recommended that a course be created to give students the fundamentals required of a professional office worker and the critical thinking skills needed to succeed on the job.</p>
CIT 081	<p>Course ID: CIT 081 Course Title: Introduction to Operating Systems - A+ Units: 3 Lecture: 2 Hours Laboratory: 3 Hours Prerequisite: None Dept. Advisory: CIT 080 and CIT 105</p> <p>Catalog Description: Basic, hands-on instruction and practice with computer Operating Systems. Prepares the student to use, install, configure, upgrade, manage and troubleshoot Windows type Operating Systems. Topics include the function of major components of the Operating System Desktop; installation, configuration, and upgrade of Operating Systems in both a stand-alone and networked environment; and diagnosis and troubleshooting of Operating System errors. Prepares the student to take the CompTIA A+ Operating System Technologies certification exam. Recommended for students interested in pursuing a career as a computer technician or being able to resolve their own Windows technical problems.</p> <p>Schedule Description: Basic, hands-on instruction and practice with computer Operating Systems. Prepares the student to use, install, configure, upgrade, manage and troubleshoot Windows type Operating Systems. Prepares the student to take the CompTIA A+ Operating System Technologies certification exam. Recommended for students interested in pursuing a career as a computer technician or being able to resolve their own Windows technical problems.</p>	FA06	<p>This is a course that will provide students with the knowledge necessary to take the CompTIA A+ Operating Systems Technologies certification examination. Currently the CIT department has no A+ certification program. The CIT Advisory Committee recommended that the CIT department create an A+ certification preparation course sequence. There are two aspects to the A+ certification: hardware and software. The existing CIT 080 course provides the hardware. CIT 081 course will meet the software component needs.</p>

Curriculum Meetings: 11-21-05; 12-05-05; 12-07-05
 Conjoint Meeting: 12-12-05 (electronic)
 Board of Trustee Meeting: 02-09-06

ENGR 265	<p>Course ID: ENGR 265 Course Title: Engineering Mechanics - Statics Units: 3 Lecture: 3 Hours Laboratory: None Prerequisite: PHYSIC 200 Dept. Advisory: None</p> <p>Catalog Description: This course lays the foundation of Newtonian mechanics for students to learn the basic fundamental engineering science and serves as the building blocks for further courses in analysis and design. A study of two- and three-dimensional equilibrium of particles and rigid bodies; concentrated and rigid bodies; concentrated and distributed force systems; shear and bending moment stresses in beams and other rigid bodies; analysis of frames, machine and trusses; force resultants using vectors in two and three dimensions; non-coplanar force systems, friction forces; center of gravity and moment of inertia.</p> <p>Schedule Description: A required course for engineering majors. A study of two- and three-dimensional equilibrium of particles and rigid bodies. Analysis of frames, machines, trusses, non-coplanar force systems, and the principle of friction and virtual work.</p>	FA07	<p>There has been a decline in the number of students pursuing engineering degrees at colleges and universities in the U.S. over the past decade, during the largest boom in technology development society has ever seen. Many U.S. companies are looking to other countries for talent, either by hiring skilled foreign-born workers, many of whom are trained at U.S. universities, or by outsourcing.</p> <p>For students at SBVC who plan to transfer to engineering programs at UC and CSU system, Statics is a lower division course required for most engineering programs. This course would benefit the students and enhance the current two year degree program by enabling the students to take all sophomore level courses at SBVC.</p>
SDEV 902	<p>Course ID: SDEV 902 Course Title: Success Strategies for Students with Disabilities Units: 3 Lecture: 3 Hours Laboratory: None Prerequisite: None Dept. Advisory: None</p> <p>Catalog Description: Designed for students with learning disabilities, attention deficit disorders, anger management issues, addictions, depression, anxiety, and other conditions, this class focuses on the intervention strategies necessary for the success of students with disabilities. Specialized instruction is designed for students seeking to overcome challenges to academic, career and relational success. Based upon current brain research and hands-on multi sensory learning experiences, each student will develop an intervention success plan.</p> <p>Schedule Description: Designed for students with disabilities, this class focuses on the intervention strategies necessary for the success of students with disabilities. Specialized instruction is designed for students seeking to overcome challenges to academic, career and relational success.</p>	FA06	<p>This course is needed to help students learn how to overcome the many challenges which students with disabilities face. Although DSPS offers other students support courses, none address the specific issues of developing success strategies for meeting goals, while learning how to recognize and limit (if not eliminate) self sabotaging behaviors.</p>
SDEV 907	<p>Course ID: SDEV 907 Course Title: Vocational Planning and Pre-Employment Skills Units: 3 Lecture: 2 Hours Laboratory: 3 Hours Prerequisite: None Dept. Advisory: None</p> <p>Catalog Description: This course is designed to help students with disabilities develop the pre-employment skills needed to seek and obtain employment, and the disability management and work adjustment skills needed to maintain employment. Students will learn to write resumes, cover letters and follow-up letters, complete applications, dress professionally, interview successfully, conduct a job search, and manage the disability in the work setting. Students will also learn about federal and state laws pertaining to disability and employment. The course is designed for students with disabilities.</p> <p>Schedule Description: This course is designed to help students with disabilities develop the pre-employment skills and disability management skills needed to seek and obtain employment, such as resume-writing, application, job search, appropriate dress and grooming, and interview techniques. The course is designed for students with disabilities.</p>	FA06	<p>This course covers pre-employment preparation, career exploration, and job retention strategies for individuals with disabilities and addresses the specific issues that pertain to individuals with disabilities, such as the legal basis for reasonable accommodation, handling the disability in the application process and in the interview, and methods for accommodating and managing the disability in the workplace.</p> <p>The course is part of a cooperative agreement between San Bernardino Valley College and the California State Department of Rehabilitation to ensure that jointly served individuals with disabilities become gainfully employed at the end of their educational programs.</p>
WST 010X2	<p>Course ID: WST 010x2 Course Title: Test Review for Water Distribution Operators D1 - D2 Units: 0.5 Lecture: 0.5 Laboratory: None Prerequisite: None Dept. Advisory: None</p> <p>Catalog Description: Review information for the California Department of Health Services Operator examination D1 and D2. The review topics include expected range of knowledge required by the DHS for Water Distribution Operators at level D1 and D2 such as math formulas, distribution system operation, disinfection and safety.</p> <p>Schedule Description: Review information for the California Department of Health Services Operator examination D1 and D2.</p>	FA06	<p>The 104th Congress made extensive changes to the Safe Drinking Water Act (SDWA) with the Safe Drinking Water Act Amendments of 1996, bringing to a close a multi-year effort to amend a statute that was widely criticized as having too little flexibility, too many unfunded mandates, and an arduous but unfocused regulatory schedule. Among the many changes to the SDWA, the 1996 amendments mandated that many more water system operator be certified for proper system operation. The objective of this requirement is to ensure that every water system has (directly, under contract, or in conjunction with other systems) an operator to perform certain key compliance functions, and who is trained and certified to the right level that each state determines is appropriate to the functions, facilities and operations of that system. This law has resulted in much greater demand for licensed operators. The growth of population and housing in the inland empire has put great demand on the water utility suppliers to expand and grow with the population. The passing rate for distribution operator taking the examination is between 60-70 percent. A comprehensive review course would help students to focus their study effort to the material that is most critical to their success. University of California, Riverside Extension service and American Water Works Association offer this kind of review courses. Their cost (\$100-\$200 for a 6- to 8- hour class) is prohibitive for many students.</p>

WST 020X2	<p>Course ID: WST 020x2 Course Title: Test Review for Water Treatment T1-T2 Units: 0.5 Lecture: 0.5 Hours Laboratory: None Prerequisite: None Dept. Advisory: None</p> <p>Catalog Description: Review information for the California Department of Health Services Treatment Operator examination T1 and T2. The review topics include expected range of knowledge required by the DHS for Water Treatment Operators at level T1 and T2 such as math formulas, conventional treatment techniques, flocculation, sedimentation, filtration, and system pressures.</p> <p>Schedule Description: Review information for the California Department of Health Services Water Treatment Operator examination T1 and T2.</p>	FA06	SAME AS PREVIOUS
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MODIFY COURSES			
COURSE ID		EFF DATE	RATIONALE
AERO 100	<input checked="" type="checkbox"/> NUMBER: FROM 100 TO 100.1 <input checked="" type="checkbox"/> TITLE: Airframe and Powerplant General Calculations <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This Federal Aviation Administration approved curriculum provides training for the general requirements in aviation maintenance. The areas covered will be familiarization with basic hand tool, applications of mathematics, basic physics and Federal Aviation Regulations. <input checked="" type="checkbox"/> UNITS: 2.5 <input checked="" type="checkbox"/> LECTURE HOURS: 2.5 HOURS <input checked="" type="checkbox"/> COREQUISITE: AERO 106.1 and either AERO 102 and AERO 108 or AERO 104 and AERO 110	FA06	<p>The SBVC Aeronautics Department is involved in a grant with Eagles Peak Charter High School through the United States Department of Education, which has a purpose of setting students on a career track upon entrance into high school. Their junior and senior students will be in a 2+2 program with the SBVC Aeronautics Airframe and Powerplant program. State regulations limit high school students to six college units per semester. Currently the Airframe and Powerplant General classes are 7 units per semester taking both the lecture and laboratory classes. Splitting them into this format will enable these and other high school students to take the classes during their last two years of high school. After graduation they would continue taking the remainder of the Airframe and Powerplant curriculum for a Certificate and or Associate Degree.</p> <p>We have had interest expressed from other high schools, which feel the broad scope of this curriculum would be beneficial to their students. This format would make it easier for individuals referred by the state and county for job training and retraining through CalWORKS.</p>
AERO 100	<input checked="" type="checkbox"/> NUMBER: FROM 100 TO 100.2 <input checked="" type="checkbox"/> TITLE: Airframe and Powerplant General Publications <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This Federal Aviation Administration (FAA) approved curriculum provides training for the general requirements in aviation maintenance. The areas covered will be familiarization with aircraft forms and records, FAA Publications, basic electricity including application of Ohm's law, use of a volt/ohm meter, read and interpret electrical circuit diagrams, service and inspection of batteries. <input checked="" type="checkbox"/> UNITS: 2.5 <input checked="" type="checkbox"/> LECTURE HOURS: 2.5 HOURS <input checked="" type="checkbox"/> COREQUISITE: AERO 106.2 and either AERO 102 and AERO 108 or AERO 104 and AERO 110	FA06	SAME AS ABOVE
AERO 101	<input checked="" type="checkbox"/> NUMBER: FROM 101 TO 101.1 <input checked="" type="checkbox"/> TITLE: Airframe and Powerplant General – Materials <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This Federal Aviation Administration (FAA) approved curriculum provides training for the general requirements in maintenance mandated by the FAA. Focus will be on aircraft weight and balance control, basic drafting, and aircraft fluid lines and fittings. <input checked="" type="checkbox"/> UNITS: 2.5 <input checked="" type="checkbox"/> LECTURE HOURS: 2.5 HOURS <input checked="" type="checkbox"/> COREQUISITE: AERO 107.1, AERO 103, and AERO 109 orERO 105 and AERO 111	FA06	SAME AS ABOVE
AERO 101	<input checked="" type="checkbox"/> NUMBER: FROM 101 TO 101.2 <input checked="" type="checkbox"/> TITLE: Airframe and Powerplant General - Servicing <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This Federal Aviation Administration (FAA) approved curriculum provides training for the general requirements in maintenance mandated by the FAA. Focus will be on aircraft hardware, materials, non-destructive testing processes, corrosion control, aircraft cleaning and ground operations and handling. <input checked="" type="checkbox"/> UNITS: 2.5 <input checked="" type="checkbox"/> LECTURE HOURS: 2.5 HOURS <input checked="" type="checkbox"/> COREQUISITE: AERO 107.2, AERO 103, and AERO 109 or AERO 105 and AERO 111	FA06	SAME AS ABOVE
AERO 102	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog Description: This Federal Aviation Administration approved curriculum provides training in airframe structures and airframe systems and components. Satisfactory completion qualifies students to take the FAA examination for airframe certification. Topics include shop safety; aircraft covering; aircraft finishing; theory of flight; assembly and rigging; structural repair; aircraft inspection; and aircraft fuel systems. Schedule Description: This Federal Aviation Administration approved curriculum provides training in airframe structures and airframe systems and components. Topics include shop safety; aircraft covering; aircraft finishing; theory of flight; assembly and rigging; structural repair; aircraft inspection; and aircraft fuel systems. <input checked="" type="checkbox"/> PREREQUISITE: AERO 100.1, AERO 100.2, AERO 106.1, and AERO 106.2 <input checked="" type="checkbox"/> COREQUISITE: AERO 108	FA06	To reflect changes in curriculum.

AERO 103	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog Description: This Federal Aviation Administration approved curriculum provides training in airframe structures and airframe systems and components. Satisfactory completion qualifies students to take the FAA examination for airframe certification. Topics include aircraft welding; electrical circuits; and basic aircraft systems for power, landing, brakes warning instrumentation, auto pilot, cabin atmosphere control, ice and rain control, fire protection and communications. Schedule Description: This Federal Aviation Administration approved curriculum provides training in airframe structures and airframe systems and components. Topics include aircraft welding; electrical circuits; and basic aircraft systems for power, landing, brakes warning instrumentation, auto pilot, cabin atmosphere control, ice and rain control, fire protection and communications. <input checked="" type="checkbox"/> PREREQUISITE/COREQUISITE: AERO 101.1, 101.2, 107.1, and 107.2 <input checked="" type="checkbox"/> COREQUISITE: AERO 109	FA06	To reflect changes in curriculum.
AERO 104	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This Federal Aviation Administration approved curriculum provides training in powerplant engines and components. Satisfactory completion qualifies students to take the FAA examination for the powerplant certificate. Topics include reciprocating engine, engine inspections, engine lubrication systems, engine instruments, engine fire protection systems, and engine fuel systems. <input checked="" type="checkbox"/> PREREQUISITE/COREQUISITE: AERO 100.1, 100.2, 106.1, and 106.2 <input checked="" type="checkbox"/> COREQUISITE: AERO 110	FA06	To reflect changes in curriculum.
AERO 105	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This Federal Aviation Administration approved curriculum provides training in powerplant system and components. Satisfactory completion qualifies students to take the FAA examination for the powerplant certificate. Topics include basic systems for electricity, ignition, and fuel and fuel metering, induction, cooling, exhaust, propellers, turbine engines and auxiliary power units. <input checked="" type="checkbox"/> PREREQUISITE/COREQUISITE: AERO 101.1, 101.2, 107.1, and 107.2 <input checked="" type="checkbox"/> COREQUISITE: AERO 111	FA06	To reflect changes in curriculum.
AERO 106	<input checked="" type="checkbox"/> NUMBER: FROM 106 TO 106.1 <input checked="" type="checkbox"/> TITLE: Airframe and Powerplant General Laboratory – Calculations <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This Federal Aviation Administration (FAA) approved curriculum provides training for the general requirements in maintenance mandated by the FAA. Focus will be on aircraft weight and balance control, basic drafting, and aircraft fluid lines and fittings. <input checked="" type="checkbox"/> UNITS: 1 <input checked="" type="checkbox"/> LABORATORY HOURS: 3 <input checked="" type="checkbox"/> COREQUISITE: AERO 100.1 and either AERO 102 and AERO 108 or AERO 104 and AERO 110	FA06	<p>The SBVC Aeronautics Department is involved in a grant with Eagles Peak Charter High School through the United States Department of Education, which has a purpose of setting students on a career track upon entrance into high school. Their junior and senior students will be in a 2+2 program with the SBVC Aeronautics Airframe and Powerplant program. State regulations limit high school students to six college units per semester. Currently the Airframe and Powerplant General classes are 7 units per semester taking both the lecture and laboratory classes. Splitting them into this format will enable these and other high school students to take the classes during their last two years of high school. After graduation they would continue taking the remainder of the Airframe and Powerplant curriculum for a Certificate and or Associate Degree.</p> <p>We have had interest expressed from other high schools, which feel the broad scope of this curriculum would be beneficial to their students. This format would make it easier for individuals referred by the state and county for job training and retraining through CalWORKS.</p>
AERO 106	<input checked="" type="checkbox"/> NUMBER: FROM 106 TO 106.2 <input checked="" type="checkbox"/> TITLE: Airframe and Powerplant General Laboratory - Publications <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This Federal Aviation Administration (FAA) approved curriculum provides training for the general requirements in aviation maintenance. The areas covered will be familiarization with aircraft forms and records, FAA Publications, basic electricity including application of Ohm's law, use of a volt/ohm meter, read and interpret electrical circuit diagrams, service and inspection of batteries. <input checked="" type="checkbox"/> UNITS: 1 <input checked="" type="checkbox"/> LABORATORY HOURS: 3 <input checked="" type="checkbox"/> COREQUISITE: AERO 100.2 and either AERO 102 and AERO 108 or AERO 104 and AERO 110	FA06	SAME AS ABOVE
AERO 107	<input checked="" type="checkbox"/> NUMBER: FROM 107 TO 107.1 <input checked="" type="checkbox"/> TITLE: Airframe and Powerplant General Laboratory - Materials <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This Federal Aviation Administration (FAA) approved curriculum provides training for the general requirements in maintenance mandated by the FAA. Focus will be on aircraft weight and balance control, basic drafting, aircraft fluid lines and fittings. <input checked="" type="checkbox"/> UNITS: 1 <input checked="" type="checkbox"/> LABORATORY HOURS: 3 <input checked="" type="checkbox"/> COREQUISITE: AERO 101.1, AERO 103, and AERO 109 or AERO 105 and AERO 111	FA06	SAME AS ABOVE
AERO 107	<input checked="" type="checkbox"/> NUMBER: FROM 107 TO 107.2 <input checked="" type="checkbox"/> TITLE: Airframe and Powerplant General Laboratory – Servicing <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This Federal Aviation Administration (FAA) approved curriculum provides training for the general requirements in maintenance mandated by the FAA. Focus will be on aircraft hardware, materials, non-destructive testing processes, corrosion control, aircraft cleaning, and ground operations and handling. <input checked="" type="checkbox"/> UNITS: 1 <input checked="" type="checkbox"/> LABORATORY HOURS: 3 <input checked="" type="checkbox"/> COREQUISITE: AERO 101.2, AERO 103, and AERO 109 OR AERO 105 and AERO 111	FA06	SAME AS ABOVE

AERO 108	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog Description: This Federal Aviation Administration approved curriculum provides training in airframe structures and airframe systems and components. Satisfactory completion qualifies students to take the FAA examination for airframe certification. Topics include shop safety; aircraft covering; aircraft finishing; theory of flight; assembly and rigging; structural repair; aircraft inspection; and aircraft fuel systems. Schedule Description: This Federal Aviation Administration approved curriculum provides training in airframe structures and airframe systems and components. Topics include shop safety; aircraft covering; aircraft finishing; theory of flight; assembly and rigging; structural repair; aircraft inspection; and aircraft fuel systems. <input checked="" type="checkbox"/> PREREQUISITE/COREQUISITE: AERO 100.1, AERO 100.2, AERO 106.1, and AERO 106.2 <input checked="" type="checkbox"/> COREQUISITE: AERO 102	FA06	To reflect changes in curriculum.
AERO 109	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog Description: This Federal Aviation Administration approved curriculum provides training in airframe structures and airframe systems and components. Satisfactory completion qualifies students to take the FAA examination for airframe certification. Topics include aircraft welding; electrical circuits; and basic aircraft systems for hydraulics, landing gear, brakes, warning, instruments, autopilot, cabin atmosphere control, ice and rain control, fire protection and communications. Schedule Description: This Federal Aviation Administration approved Curriculum provides training in airframe structures and airframe systems and components. Topics include aircraft welding; electrical circuits; and basic aircraft systems for hydraulics, landing gear, brakes, warning, instruments, autopilot, cabin atmosphere control, ice and rain control, fire protection and communications. <input checked="" type="checkbox"/> PREREQUISITE/COREQUISITE: AERO 101.1, 101.2, 107.1, and 107.2 <input checked="" type="checkbox"/> COREQUISITE: AERO 103	FA06	To reflect changes in curriculum.
AERO 110	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This Federal Aviation Administration approved curriculum provides training in powerplant engines and components. Satisfactory completion qualifies students to take the FAA examination for the powerplant certificate. Topics include reciprocating engine, engine inspections, engine lubrication systems, engine instruments, engine fire protection systems, and engine fuel systems. <input checked="" type="checkbox"/> PREREQUISITE/COREQUISITE: AERO 100.1, 100.2, 106.1, and 106.2 <input checked="" type="checkbox"/> COREQUISITE: AERO 104	FA06	To reflect changes in curriculum.
AERO 111	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This Federal Aviation Administration approved curriculum provides training in powerplant system and components. Satisfactory completion qualifies students to take the FAA examination for the powerplant certificate. Topics include basic systems for electricity, ignition, fuel and fuel metering, induction, cooling, exhaust, propellers, turbine engines and auxiliary power units. <input checked="" type="checkbox"/> PREREQUISITE/COREQUISITE: AERO 101.1, 101.2, 107.1 and 107.2 <input checked="" type="checkbox"/> COREQUISITE: AERO 105	FA06	To reflect changes in curriculum.
AERO 122C	<input checked="" type="checkbox"/> NUMBER: FROM 122C TO 122D	FA06	To reflect changes in curriculum.
AERO 140C	<input checked="" type="checkbox"/> NUMBER: FROM 140C TO 140D	FA06	To reflect changes in curriculum.
BIOL 240	<input checked="" type="checkbox"/> NUMBER: FROM 240 TO 204	FA06	The Biology Department wants to change the course number of Biology 240 to Biology 204. State curriculum discussions and articulation conferences indicate that Biology Departments at the university level may soon require more lower division Biology courses from matriculating students. Our Botany course currently corresponds to upper division course work at the university level. With that in mind, we were thinking of deleting it from our catalog listings. Now we believe, given the current state discussions, that it would be prudent to retain it, but put it in sequence with our other lower division Biology major's courses. We have currently three Biology major's courses, Biol 201, Biol 202, and Biol 203. Changing Biol 240 to Biol 204, would make it more recognizable as being associated with the other major's courses and facilitate it as part of the lower division preparation.
BIOL 255	<input checked="" type="checkbox"/> NUMBER: FROM 255 TO 252	FA06	The Biology Department would like to update the course number of Biology 255. The Biology Department has three distinct programs, Biology Majors, Anatomy and Physiology, and Microbiology. Each has its own independent study course. Most independent study courses in the college are numbered 222, as is the majors Biology course. This independent study course applies to the Microbiology program. We would like to renumber it to Biol 252 to bring the number into some recognizable association with other independent study courses. The 2 in the one's place of the number will associate it with the other independent study courses.

BIOL 275	<input checked="" type="checkbox"/> NUMBER: FROM 275 TO 272	FA06	The Biology Department would like to update the course number of Biology 275. The Biology Department has three distinct programs, Biology Majors, Anatomy and Physiology, and Microbiology. Each has its own independent study course. Most independent study courses in the college are numbered 222, as is the majors Biology course. This independent study course applies to the Microbiology program. We would like to renumber it to Biol 272 to bring the number into some recognizable association with other independent study courses. The 2 in the one's place of the number will associate it with the other independent study courses.
CORREC 102	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Descriptions: Overview of the techniques in counseling and interviewing available to practitioners in corrections. Use of appropriate techniques and theories in confidence building which the correctional employee may use in client interviews and counseling.	FA06	To reflect changes in curriculum.
CORREC 104	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Descriptions: This course will emphasize local, state, and federal institutions in the role played by the offender and the correctional worker. Topics will include inmate subculture, violence and effects of crowding on inmates and staff, coping techniques for correctional officers in a hostile prison environment.	FA06	To reflect changes in curriculum.
CORREC 105	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Descriptions: The historical framework, concepts, and precedents that guide correctional practice. Course material will present a broader perspective of the correctional environment such as the civil rights of prisoners, responsibilities and liabilities of correctional officials, the courts, and police.	FA06	To reflect changes in curriculum.
ELEC 216B	<input checked="" type="checkbox"/> PREREQUISITE: ELECTR 110 and ELECTR 111	FA06	Request to modify prerequisite from None to ELECTR 110 and ELECTR 111 due to duplication of information being taught in both ELECTR 110, 111 and ELEC 216B classes. Having ELECTR 110 and 111 as prerequisites will allow more instruction on the national electrical code.
INSPEC 011	<input checked="" type="checkbox"/> NUMBER: FROM 011 TO 011A <input checked="" type="checkbox"/> PREREQUISITE: NONE <input checked="" type="checkbox"/> DEPT. ADVISORY: INSPEC 010A	FA06	To reflect changes in curriculum.
INSPEC 012	<input checked="" type="checkbox"/> NUMBER: FROM 012 TO 012A <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: A basic study of structures, including wood, steel, and masonry construction, building occupancies, construction and separations, acoustics and sound control. <input checked="" type="checkbox"/> PREREQUISITE: NONE <input checked="" type="checkbox"/> DEPT. ADVISORY: INSPEC 011A	FA06	To reflect changes in curriculum.
INSPEC 013B	<input checked="" type="checkbox"/> NUMBER: FROM 013B TO 013C <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: Study of the Uniform Building Code for inspectors, including application, interpretation, and use of the code. <input checked="" type="checkbox"/> PREREQUISITE: NONE <input checked="" type="checkbox"/> DEPT. ADVISORY: INSPEC 012A	FA06	To reflect changes in curriculum.
INSPEC 014B	<input checked="" type="checkbox"/> NUMBER: FROM 014B TO 014C <input checked="" type="checkbox"/> PREREQUISITE: NONE <input checked="" type="checkbox"/> DEPT. ADVISORY: INSPEC 012A	FA06	To reflect changes in curriculum.
INSPEC 015B	<input checked="" type="checkbox"/> NUMBER: FROM 015B TO 015C <input checked="" type="checkbox"/> PREREQUISITE: NONE <input checked="" type="checkbox"/> DEPT. ADVISORY: INSPEC 012A	FA06	To reflect changes in curriculum.
INSPEC 016B	<input checked="" type="checkbox"/> NUMBER: FROM 016B TO 016C <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: The interpretation and use of the Uniform Mechanical Code. <input checked="" type="checkbox"/> PREREQUISITE: NONE <input checked="" type="checkbox"/> DEPT. ADVISORY: INSPEC 012A	FA06	To reflect changes in curriculum.
INSPEC 026B	<input checked="" type="checkbox"/> NUMBER: FROM 026B TO 026C <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: Training in the application of the Uniform Building Code to pre-construction drawings, including legal requirements for non-structural plan review, local and community laws applicable to pre-construction drawings, and the use of plan reviews as a first step in performing consistent and thorough inspections. <input checked="" type="checkbox"/> PREREQUISITE: NONE <input checked="" type="checkbox"/> DEPT. ADVISORY: INSPEC 013C	FA06	To reflect changes in curriculum.
MACH 061B	<input checked="" type="checkbox"/> PREREQUISITE: NONE <input checked="" type="checkbox"/> DEPT. ADVISORY: MACH 021B and MACH 120B	FA06	To reflect changes in curriculum.
MACH 072B	<input checked="" type="checkbox"/> PREREQUISITE: NONE	FA06	To reflect changes in curriculum.

Curriculum Meetings: 11-21-05; 12-05-05; 12-07-05

Conjoint Meeting: 12-12-05 (electronic)

Board of Trustee Meeting: 02-09-06

MACH 073B	<input checked="" type="checkbox"/> PREREQUISITE: MACH 072B	FA06	To reflect changes in curriculum.
MACH 074B	<input checked="" type="checkbox"/> PREREQUISITE: NONE	FA06	To reflect changes in curriculum.
MACH 160A	<input checked="" type="checkbox"/> PREREQUISITE: NONE <input checked="" type="checkbox"/> DEPT. ADVISORY: MACH 120B	FA06	To reflect changes in curriculum.
MATH 090	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Descriptions: Covers the basic concepts typically presented in an introductory algebra course: operations with polynomials and rational expressions; rules of exponents; methods of factoring polynomials; solving linear, literal, and rational equations; solving linear inequalities; and solving applications modeled by linear equations.	FA06	To reflect changes in curriculum.
MATH 093	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Descriptions: A review of high school geometry including mathematical logic, proofs, geometric constructions, congruence, similarities, and other properties of basic closed plane figures.	FA06	To reflect changes in curriculum.
MATH 095	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Descriptions: This is a second course in algebra which builds on the skills of solving equations. This course includes finding rational solutions to quadratic, absolute value and rational equations, solving linear and absolute value inequalities, rational exponents and radicals, graphing linear equations and inequalities in two variables, and solving systems of linear equations. <input checked="" type="checkbox"/> DEPT. ADVISORY: NONE	FA06	To reflect changes in curriculum.
MATH 102	<input checked="" type="checkbox"/> TITLE: College Algebra <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This course includes the study of quadratic equations and inequalities and their applications, an introduction to functions including operations and inverses, exponential functions and their graphs, logarithmic functions and their graphs and properties, in depth work graphing functions with transformations, an introduction to sequences, series, and the Binomial Expansion Theorem. This course is designed for students with a strong foundation in algebra.	FA06	To reflect changes in curriculum.
MATH 103	<input checked="" type="checkbox"/> DEPT. ADVISORY: NONE	FA06	To reflect changes in curriculum.
MATH 108	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Descriptions: An introductory course to probability, descriptive and inferential statistics with applications to the natural sciences, business, economics, and the behavioral sciences.	FA06	To reflect changes in curriculum.
MATH 115	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This transfer level course is designed for non-science majors and includes sets, propositional logic, inductive reasoning and applications, mathematical patterns, counting methods, and finite probability spaces.	FA06	To reflect changes in curriculum.
MATH 151	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This course provides foundational skills to facilitate success in calculus. The course includes inequalities, functions and their graphs, polynomials and rational functions, exponential and logarithmic functions, conics, sequences and series, mathematical induction, the Binomial Theorem, and systems of equations and inequalities.	FA06	To reflect changes in curriculum.
MATH 222	<input checked="" type="checkbox"/> TITLE: Independent Study in Mathematics <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: Assigned projects involving research or directed study for selected students who are interested in furthering their knowledge of mathematics on an independent study basis. Each unit of independent study requires 3 hours per week for an entire semester. Enrollment is limited to students who meet independent study criteria. A contract must be prepared with the instructor prior to registration. <input checked="" type="checkbox"/> UNITS: 1 – 3 <input checked="" type="checkbox"/> LECTURE HOURS: NONE <input checked="" type="checkbox"/> LABORATORY HOURS: 3-9 HOURS <input checked="" type="checkbox"/> PREREQUISITE: MATH 095 or eligibility for MATH 102 as determined through the SBVC assessment process <input checked="" type="checkbox"/> REPEATABILITY: 1-3 UNITS	FA06	To reflect changes in curriculum.
MATH 250	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: A first course in calculus including limits, continuity, derivatives of algebraic and trigonometric functions, applications of derivatives, antiderivatives, and definite integrals and their applications. <input checked="" type="checkbox"/> PREREQUISITE: MATH 151 and MATH 103 or eligibility for MATH 250 as determined through the SBVC assessment process	FA06	To reflect changes in curriculum.
MATH 251	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This second course in calculus provides further application of definite integrals, differentiation and integration of transcendental functions, techniques of integration, L'Hopital's rule and improper integrals, infinite sequences and series, Taylor and power series.	FA06	To reflect changes in curriculum.
MATH 252	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: A third course in calculus including vectors, lines, and simple surfaces in three dimensional space, some linear algebra topics, vector-valued functions, partial derivatives, multiple integrals, line integrals and Green's Theorem, Divergence Theorem, surface integrals and the theorems of Gauss and Stokes.	FA06	To reflect changes in curriculum.
MATH 265	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: An introduction to linear algebra that complements advanced courses in calculus. Topics include systems of linear equations, matrix operations, determinants, vectors and vector spaces, eigenvalues and eigenvectors, and linear transformations. <input checked="" type="checkbox"/> PREREQUISITE: MATH 250 or eligibility as determined through the SBVC assessment process	FA06	To reflect changes in curriculum.

MATH 266	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: An introduction to differential equations that complements advanced courses in calculus. Topics include first order differential equations and applications, linear differential equations and some applications of second order linear differential equations, linear systems, and an introduction to series solutions and the Laplace transform. <input checked="" type="checkbox"/> DEPT. ADVISORY: MATH 252	FA06	To reflect changes in curriculum.
MATH 942	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: A basic skills course in arithmetic including the fundamental operations of whole numbers, fractions, decimals, ratios, proportions, and percents.	FA06	To reflect changes in curriculum.
MATH 942A	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This is the first course of a basic skills sequence emphasizing arithmetic topics including the fundamental operations of whole numbers as they apply to vocational fields.	FA06	To reflect changes in curriculum.
MATH 942B	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This is the second course of a basic skills sequence emphasizing arithmetic topics including the fundamental operations of fractions and decimals as they apply to vocational fields. <input checked="" type="checkbox"/> PREREQUISITE: MATH 942A	FA06	To reflect changes in curriculum.
MATH 942C	<input checked="" type="checkbox"/> TITLE: Vocational Arithmetic: Proportions, Ratios, Percents, and Geometry <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: This is the third course of a basic skills sequence emphasizing arithmetic topics including proportions, ratios, percents, and geometry as they apply to vocational fields. <input checked="" type="checkbox"/> PREREQUISITE: MATH 942B	FA06	To reflect changes in curriculum.
MATH 952	<input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: An introduction to mathematical properties; exponential notation; linear equations in one variable; algebraic word problems; variables; polynomials; and the appropriate rules for rational numbers, whole numbers, and integers; an emphasis on speaking, listening, reading, and writing in communicable mathematical terminology. <input checked="" type="checkbox"/> PREREQUISITE: MATH 942 or MATH 942C or eligibility for MATH 952 as determined through the SBVC assessment process	FA06	To reflect changes in curriculum.
MATH 952A	<input checked="" type="checkbox"/> TITLE: Prealgebra: Integers <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: First course of a sequence emphasizing prealgebra topics including properties of real numbers, operations with integers, an introduction to variables, and simplifying algebraic expressions by adding subtracting, multiplying and dividing polynomials. <input checked="" type="checkbox"/> PREREQUISITE: MATH 942 or MATH 942C or eligibility for MATH 952 as determined by the SBVC assessment process	FA06	To reflect changes in curriculum.
MATH 952B	<input checked="" type="checkbox"/> TITLE: Prealgebra: Fractions <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: Second course of a sequence emphasizing prealgebra topics including properties of fractions, operations with fractions, and simplifying algebraic expressions and solving simple linear equations containing fractions. <input checked="" type="checkbox"/> PREREQUISITE: MATH 952A	FA06	To reflect changes in curriculum.
MATH 952C	<input checked="" type="checkbox"/> TITLE: Prealgebra: Exponents and Linear Equations <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: Third course of a sequence emphasizing prealgebra topics including odd, even and prime numbers, rules of exponents, performing operations with exponents, simplifying algebraic expressions containing exponents, and further work solving simple linear equations. <input checked="" type="checkbox"/> PREREQUISITE: MATH 952B	FA06	To reflect changes in curriculum.
MATH 952D	<input checked="" type="checkbox"/> TITLE: Prealgebra: Decimals, Percent, and Ratios <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: Fourth course of a sequence emphasizing prealgebra topics including operations with decimals, percent, and ratios, simplifying algebraic expressions containing decimals and percent, solving proportions, solving simple linear equations containing decimals, and applications involving decimals, percent, and proportions. <input checked="" type="checkbox"/> PREREQUISITE: MATH 952C	FA06	To reflect changes in curriculum.
SDEV 980	<input checked="" type="checkbox"/> NUMBER: FROM 980 TO 010 <input checked="" type="checkbox"/> DESCRIPTIONS: Catalog and Schedule Description: Develops student ability to create an individualized education plan. Instruction will include UC, CSU, and independent university transfer requirements. Associate degree, certificate, and academic policies will be included. Graded on a credit/no credit basis only. <input checked="" type="checkbox"/> DEPT. ADVISORY: Students are encouraged to complete the course in their first or second semester.	FA06	To reflect changes in curriculum.

DISTRIBUTED EDUCATION		
COURSE ID		EFF DATE
ANTHRO 106H	100% ONLINE	FA06

Curriculum Meetings: 11-21-05; 12-05-05; 12-07-05
Conjoint Meeting: 12-12-05 (electronic)
Board of Trustee Meeting: 02-09-06
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DELETE COURSES		
COURSE ID	EFF DATE	RATIONALE
BIOL 220	FA06	To reflect changes in curriculum
BIOL 221	FA06	To reflect changes in curriculum
MATH 223	FA06	To reflect changes in curriculum
MATH 286	FA06	To reflect changes in curriculum

DELETE CERTIFICATES		
CERTIFICATE	EFF DATE	RATIONALE
CLERICAL ASSISTANT	FA06	To reflect changes in curriculum
INFORMATION PROCESSING SPECIALIST	FA06	To reflect changes in curriculum

MODIFY DEGREES																																																															
DEGREE		EFF DATE	RATIONALE																																																												
AERONAUTICS AS	<p>The Aeronautics Department offers these area of specialization for the Associate of Science Degree: Airframe and Powerplant Technology, and Flight Operations and Management. To graduate with a specialization in these areas, students must complete all requirements plus the general breadth requirements for the Associate Degree (minimum total = 60 units.)</p> <p>AVIATION MAINTENANCE TECHNICIAN</p> <table> <thead> <tr> <th>REQUIRED COURSES:</th> <th>UNITS</th> </tr> </thead> <tbody> <tr><td>AERO 100.1 Airframe and Powerplant General Curriculum-Calculations</td><td>2.5</td></tr> <tr><td>AERO 100.2 Airframe and Powerplant General Curriculum-Publications</td><td>2.5</td></tr> <tr><td>AERO 101.1 Airframe and Powerplant General Curriculum-Materials</td><td>2.5</td></tr> <tr><td>AERO 101.2 Airframe and Powerplant General Curriculum-Servicing</td><td>2.5</td></tr> <tr><td>AERO 102 Airframe Maintenance Lecture-Structures</td><td>6</td></tr> <tr><td>AERO 103 Airframe Maintenance Lecture-Systems and Components</td><td>6</td></tr> <tr><td>AERO 104 Powerplant Maintenance Lecture-Reciprocating Engine Overhaul</td><td>6</td></tr> <tr><td>AERO 105 Powerplant Maintenance Lecture Accessory Overhaul</td><td>6</td></tr> <tr><td>AERO 106.1 Airframe and Powerplant General Laboratory-Calculations</td><td>1</td></tr> <tr><td>AERO106.2 Airframe and Powerplant General Laboratory-Publications</td><td>1</td></tr> <tr><td>AERO 107.1 Airframe and Powerplant General Laboratory-Materials</td><td>1</td></tr> <tr><td>AERO 107.2 Airframe and Powerplant General Laboratory-Servicing</td><td>1</td></tr> <tr><td>AERO 108 Airframe Maintenance Laboratory-Structures</td><td>5</td></tr> <tr><td>AERO 109 Airframe Maintenance Laboratory-Systems and Components</td><td>5</td></tr> <tr><td>AERO 110 Powerplant Maintenance Laboratory-Reciprocating Engine Overhaul</td><td>5</td></tr> <tr><td>AERO 111 Powerplant Maintenance Laboratory-Accessory Overhaul</td><td>5</td></tr> <tr><td>TOTAL UNITS:</td><td>58</td></tr> </tbody> </table> <p>FLIGHT OPERATIONS AND MANAGEMENT</p> <table> <thead> <tr> <th>REQUIRED COURSES:</th> <th>UNITS</th> </tr> </thead> <tbody> <tr><td>AERO 121 Aviation Fundamentals</td><td>3</td></tr> <tr><td>*AERO 122D FAA Private Pilot Ground School</td><td>6</td></tr> <tr><td>AERO 124 Aircraft Power Plants</td><td>3</td></tr> <tr><td>AERO 125 Flight Safety</td><td>2</td></tr> <tr><td>AERO 126 Aircraft Structures</td><td>3</td></tr> <tr><td>AERO 134 Civil Aviation Management and Laws</td><td>3</td></tr> <tr><td>AERO140D Instrument Ground School and Flight Simulators</td><td>4</td></tr> <tr><td>AERO 144 Aviation Weather</td><td>3</td></tr> <tr><td>BUSAD 100 Introduction to Business</td><td>3</td></tr> <tr><td>PHYSIC 101 Basic Physics</td><td>4</td></tr> <tr><td>TOTAL UNITS:</td><td>34</td></tr> </tbody> </table> <p>*Will be waived if students have taken equivalent course.</p>	REQUIRED COURSES:	UNITS	AERO 100.1 Airframe and Powerplant General Curriculum-Calculations	2.5	AERO 100.2 Airframe and Powerplant General Curriculum-Publications	2.5	AERO 101.1 Airframe and Powerplant General Curriculum-Materials	2.5	AERO 101.2 Airframe and Powerplant General Curriculum-Servicing	2.5	AERO 102 Airframe Maintenance Lecture-Structures	6	AERO 103 Airframe Maintenance Lecture-Systems and Components	6	AERO 104 Powerplant Maintenance Lecture-Reciprocating Engine Overhaul	6	AERO 105 Powerplant Maintenance Lecture Accessory Overhaul	6	AERO 106.1 Airframe and Powerplant General Laboratory-Calculations	1	AERO106.2 Airframe and Powerplant General Laboratory-Publications	1	AERO 107.1 Airframe and Powerplant General Laboratory-Materials	1	AERO 107.2 Airframe and Powerplant General Laboratory-Servicing	1	AERO 108 Airframe Maintenance Laboratory-Structures	5	AERO 109 Airframe Maintenance Laboratory-Systems and Components	5	AERO 110 Powerplant Maintenance Laboratory-Reciprocating Engine Overhaul	5	AERO 111 Powerplant Maintenance Laboratory-Accessory Overhaul	5	TOTAL UNITS:	58	REQUIRED COURSES:	UNITS	AERO 121 Aviation Fundamentals	3	*AERO 122D FAA Private Pilot Ground School	6	AERO 124 Aircraft Power Plants	3	AERO 125 Flight Safety	2	AERO 126 Aircraft Structures	3	AERO 134 Civil Aviation Management and Laws	3	AERO140D Instrument Ground School and Flight Simulators	4	AERO 144 Aviation Weather	3	BUSAD 100 Introduction to Business	3	PHYSIC 101 Basic Physics	4	TOTAL UNITS:	34	FA06	To update the certificate with updated courses.
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BIOLOGY AS	<p>BIOLOGY ASSOCIATE OF SCIENCE DEGREE</p> <p>An Associate of Science degree with a specialization in the Biological Sciences can be earned by completing the following required courses in addition to fulfilling the breadth requirements for the associate degree (minimum 60 semester units.)</p> <p>REQUIRED COURSES: UNITS</p> <p>BIOL 201 Cell and Molecular Biology 4</p> <p>BIOL 202 Organismal Biology and Ecology 4</p> <p>CHEM 150 or 150H General Chemistry I 5</p> <p>CHEM 151 or 151H General Chemistry II 5</p> <p>Twelve Units from the RECOMMENDED COURSES 12</p> <p>TOTAL UNITS: 30</p> <p>RECOMMENDED COURSES: UNITS</p> <p>MATH 250 Calculus I 4</p> <p>MATH 251 Calculus II 4</p> <p>CHEM 212 or 212H Organic Chemistry 4</p> <p>CHEM 213 or 213H Organic Chemistry 4</p> <p>PHYSIC 150A General Physics I 5</p> <p>and</p> <p>PHYSIC 150B General Physics II 5</p> <p>or</p> <p>PHYSIC 200 General Physics I 6</p> <p>and</p> <p>PHYSIC 201 General Physics II 6</p>	FA06	The Biology Department met with the Articulation Officer and based on recommendations and state guidelines, has updated the AS degree to comply. We have brought the degree in line with the courses typically taken in the first two years by students wishing to major in Biology and transfer to a 4-year institution.
CIT – OFFICE TECHNOLOGY AA	<p>CIT - OFFICE TECHNOLOGY ASSOCIATE OF ARTS DEGREE</p> <p>To graduate with a degree in Office Technology, students must complete the following required courses plus the general breadth requirements for the Associate Degree (total = 60 units.)</p> <p>REQUIRED COURSES: UNITS</p> <p>BUSAD 039 Strategies for Successful Employment 3</p> <p>CIT 016 Advanced Keyboarding 3</p> <p>CIT 020 Word Processing: MS Word 3</p> <p>CIT 060 General Office Procedures 2</p> <p>CIT 101 Introduction to Computer Literacy 3</p> <p>CIT 105 Windows 2</p> <p>CIT 114 Spreadsheets: Excel 3</p> <p>TOTAL UNITS: 19</p>	FA06	To update the certificate with new department name and updated courses.
COMPUTER INFORMATION TECHNOLOGY AA	<p>COMPUTER INFORMATION TECHNOLOGY ASSOCIATE OF ARTS DEGREE</p> <p>To graduate with a degree in Computer Information Technology, students must complete the following required courses plus the general breadth requirements for the Associate Degree. Completion of the Computer Business Applications Specialist certificate plus the following courses:</p> <p>REQUIRED COURSES: UNITS</p> <p>CIT 101 Introduction to Computer Literacy 3</p> <p>CIT 102 Advanced Computer Literacy 3</p> <p>CIT 114 Spreadsheets: Excel 3</p> <p>CIT 116 Database Management: Access 3</p> <p>CIT 120 Internet 2</p> <p>CIT 150 Office Applications Development 3</p> <p>CIT 215 Database Management Systems 3</p> <p>CIT 232 Data Communication and Networks 3</p> <p>TOTAL UNITS: 23</p>	FA06	To update the certificate with new department name and updated courses.

TOOL AND DIE AS	<p>MACHINIST TECHNOLOGY ASSOCIATE OF SCIENCE DEGREE</p> <p>To graduate with a specialization in one of the following five Machinist Technology majors, (1) Machine Technology, (2) Machinist Standard, (3) Tool and Die, (4) Computer Numerical Control CAD/CAM, (5) Mechanical Hydraulics/ Pneumatics, students must complete all the requirements for the appropriate certificate with a grade of C or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units).</p> <p>Students working for certificates must have a basic knowledge of arithmetic, reading, and writing in order to learn and work in the occupations they select.</p> <p>The following is a list of six Machinist Technology Certificates and the number of credits required for each certificate:</p> <table border="1" data-bbox="315 359 971 562"> <thead> <tr> <th rowspan="2">Name of the Certificate</th> <th colspan="2">Units Required for the Certificate</th> </tr> <tr> <th>Specialized Courses</th> <th>Core Courses**</th> </tr> </thead> <tbody> <tr> <td>(1) Machine Technology</td> <td></td> <td>25</td> </tr> <tr> <td>(2) Machinist Standard</td> <td>6</td> <td>25</td> </tr> <tr> <td>(3) Tool and Die</td> <td>11</td> <td>25</td> </tr> <tr> <td>(4) Computer Numerical Control: CAD/CAM</td> <td>18</td> <td>25</td> </tr> <tr> <td>(5) Mechanical Hydraulics/ Pneumatics</td> <td>27</td> <td>N/A</td> </tr> <tr> <td>(6) Basic Operation Computerized Numerical Control (CNC)</td> <td>16</td> <td>N/A</td> </tr> </tbody> </table> <p>Note: Basic Operation Computerized Numerical Control (CNC) certificate is not applicable towards Associate of Science in Machinist Technology degree.</p> <p>Students are required to take specialized courses and additional core courses in order to receive the following certificates: Machinist Standard Certificate; Tool and Die Certificate and; and Computer Numerical Certificate.</p> <table border="1" data-bbox="315 701 971 972"> <thead> <tr> <th>**Core Courses:</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>MACH 120B Machine Shop Theory</td> <td>2</td> </tr> <tr> <td>MACH 021B Machine Shop I</td> <td>4</td> </tr> <tr> <td>MACH 022B Machine Shop II</td> <td>4</td> </tr> <tr> <td>MACH 123A Machine Shop III</td> <td>4</td> </tr> <tr> <td>MACH 124A Machine Shop IV</td> <td>4</td> </tr> <tr> <td>MACH 090B Engineering Blueprint Reading, Geometric Dimensioning and Tolerancing</td> <td>3</td> </tr> <tr> <td>TECALC 087 Technical Calculations</td> <td>4</td> </tr> <tr> <td>TOTAL UNITS for the Core Requirements</td> <td>25</td> </tr> </tbody> </table> <p>3. Tool and Die</p> <p>This certificate is designed to prepare students for entry-level employment producing tools, dies, and special guiding and holding devices that enable machines to manufacture a variety of products we use daily - from clothing and furniture to heavy equipment and parts for aircraft. Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.</p> <table border="1" data-bbox="315 1131 971 1289"> <thead> <tr> <th>Required Courses:</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>Machine Technology Core Requirements</td> <td>25</td> </tr> <tr> <td>MACH 160B Tool and Die</td> <td>4</td> </tr> <tr> <td>MACH 061B Jig and Fixture Making</td> <td>4</td> </tr> <tr> <td>MACH 129B Manufacturing Processes</td> <td>3</td> </tr> <tr> <td>Total Units required for the Tool and Die Certificate</td> <td>36</td> </tr> </tbody> </table>	Name of the Certificate	Units Required for the Certificate		Specialized Courses	Core Courses**	(1) Machine Technology		25	(2) Machinist Standard	6	25	(3) Tool and Die	11	25	(4) Computer Numerical Control: CAD/CAM	18	25	(5) Mechanical Hydraulics/ Pneumatics	27	N/A	(6) Basic Operation Computerized Numerical Control (CNC)	16	N/A	**Core Courses:	Units	MACH 120B Machine Shop Theory	2	MACH 021B Machine Shop I	4	MACH 022B Machine Shop II	4	MACH 123A Machine Shop III	4	MACH 124A Machine Shop IV	4	MACH 090B Engineering Blueprint Reading, Geometric Dimensioning and Tolerancing	3	TECALC 087 Technical Calculations	4	TOTAL UNITS for the Core Requirements	25	Required Courses:	Units	Machine Technology Core Requirements	25	MACH 160B Tool and Die	4	MACH 061B Jig and Fixture Making	4	MACH 129B Manufacturing Processes	3	Total Units required for the Tool and Die Certificate	36	FA06	To update the degree with updated courses.
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CIT 116 Database Management: Access	3														
Total Units required for the Administrative Assistant Certificate	40-43														

AIRFRAME MAINTENANCE TECHNICIAN	<p>AIRFRAME MAINTENANCE TECHNICIAN</p> <p>This certificate is designed to prepare students to qualify for the airframe certificate issued by the Federal Aviation Administration, which enables the holder to perform 100-hour inspections on aircraft ranging from small aircraft used in general aviation through jets utilized by commercial airlines. The written examinations are administered by the Federal Aviation Administration through computer testing centers. The practical portion of the certificate is administered here at San Bernardino Valley College. The total program requires 1,150 hours of lecture and laboratory. Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.</p> <p>REQUIRED COURSES: UNITS</p> <table border="0" style="width: 100%;"> <tr><td>AERO 100.1 Airframe and Powerplant General Curriculum-Calculations</td><td style="text-align: right;">2.5</td></tr> <tr><td>AERO 100.2 Airframe and Powerplant General Curriculum-Publications</td><td style="text-align: right;">2.5</td></tr> <tr><td>AERO 101.1 Airframe and Powerplant General Curriculum-Materials</td><td style="text-align: right;">2.5</td></tr> <tr><td>AERO 101.2 Airframe and Powerplant General Curriculum-Servicing</td><td style="text-align: right;">2.5</td></tr> <tr><td>AERO 102 Airframe Maintenance Lecture-Structures</td><td style="text-align: right;">6</td></tr> <tr><td>AERO 103 Airframe Maintenance Lecture-Systems and Components</td><td style="text-align: right;">6</td></tr> <tr><td>AERO 106.1 Airframe and Powerplant General Laboratory-Calculations</td><td style="text-align: right;">1</td></tr> <tr><td>AERO106.2 Airframe and Powerplant General Laboratory-Publications</td><td style="text-align: right;">1</td></tr> <tr><td>AERO 107.1 Airframe and Powerplant General Laboratory-Materials</td><td style="text-align: right;">1</td></tr> <tr><td>AERO 107.2 Airframe and Powerplant General Laboratory-Servicing</td><td style="text-align: right;">1</td></tr> <tr><td>AERO 108 Airframe Maintenance Laboratory-Structures</td><td style="text-align: right;">5</td></tr> <tr><td>AERO 109 Airframe Maintenance Laboratory-Systems and Components</td><td style="text-align: right;">5</td></tr> <tr><td>TOTAL UNITS:</td><td style="text-align: right;">36</td></tr> </table>	AERO 100.1 Airframe and Powerplant General Curriculum-Calculations	2.5	AERO 100.2 Airframe and Powerplant General Curriculum-Publications	2.5	AERO 101.1 Airframe and Powerplant General Curriculum-Materials	2.5	AERO 101.2 Airframe and Powerplant General Curriculum-Servicing	2.5	AERO 102 Airframe Maintenance Lecture-Structures	6	AERO 103 Airframe Maintenance Lecture-Systems and Components	6	AERO 106.1 Airframe and Powerplant General Laboratory-Calculations	1	AERO106.2 Airframe and Powerplant General Laboratory-Publications	1	AERO 107.1 Airframe and Powerplant General Laboratory-Materials	1	AERO 107.2 Airframe and Powerplant General Laboratory-Servicing	1	AERO 108 Airframe Maintenance Laboratory-Structures	5	AERO 109 Airframe Maintenance Laboratory-Systems and Components	5	TOTAL UNITS:	36	FA06	To update the certificate with updated courses.								
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AVIATION MAINTENANCE TECHNICIAN	<p>AVIATION MAINTENANCE TECHNICIAN</p> <p>This certificate is designed to prepare students to qualify for the airframe and powerplant certificate issued by the Federal Aviation Administration, which enables the holder to perform 100 hour and annual inspections on aircraft ranging from small aircraft used in general aviation through jets utilized by commercial airlines. The written examinations are administered by the Federal Aviation Administration through computer testing centers. The practical portion of the certificate is administered here at San Bernardino Valley College. The total program requires 1,900 hours of lecture and laboratory. Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.</p> <p>REQUIRED COURSES: UNITS</p> <table border="0" style="width: 100%;"> <tr><td>AERO 100.1 Airframe and Powerplant General Curriculum-Calculations</td><td style="text-align: right;">2.5</td></tr> <tr><td>AERO 100.2 Airframe and Powerplant General Curriculum-Publications</td><td style="text-align: right;">2.5</td></tr> <tr><td>AERO 101.1 Airframe and Powerplant General Curriculum-Materials</td><td style="text-align: right;">2.5</td></tr> <tr><td>AERO 101.2 Airframe and Powerplant General Curriculum-Servicing</td><td style="text-align: right;">2.5</td></tr> <tr><td>AERO 102 Airframe Maintenance Lecture-Structures</td><td style="text-align: right;">6</td></tr> <tr><td>AERO 103 Airframe Maintenance Lecture-Systems and Components</td><td style="text-align: right;">6</td></tr> <tr><td>AERO 104 Powerplant Maintenance Lecture-Reciprocating Engine Overhaul</td><td style="text-align: right;">6</td></tr> <tr><td>AERO 105 Powerplant Maintenance Lecture Accessory Overhaul</td><td style="text-align: right;">6</td></tr> <tr><td>AERO 106.1 Airframe and Powerplant General Laboratory-Calculations</td><td style="text-align: right;">1</td></tr> <tr><td>AERO106.2 Airframe and Powerplant General Laboratory-Publications</td><td style="text-align: right;">1</td></tr> <tr><td>AERO 107.1 Airframe and Powerplant General Laboratory-Materials</td><td style="text-align: right;">1</td></tr> <tr><td>AERO 107.2 Airframe and Powerplant General Laboratory-Servicing</td><td style="text-align: right;">1</td></tr> <tr><td>AERO 108 Airframe Maintenance Laboratory-Structures</td><td style="text-align: right;">5</td></tr> <tr><td>AERO 109 Airframe Maintenance Laboratory-Systems and Components</td><td style="text-align: right;">5</td></tr> <tr><td>AERO 110 Powerplant Maintenance Laboratory-Reciprocating Engine Overhaul</td><td style="text-align: right;">5</td></tr> <tr><td>AERO 111 Powerplant Maintenance Laboratory-Accessory Overhaul</td><td style="text-align: right;">5</td></tr> <tr><td>TOTAL UNITS:</td><td style="text-align: right;">58</td></tr> </table>	AERO 100.1 Airframe and Powerplant General Curriculum-Calculations	2.5	AERO 100.2 Airframe and Powerplant General Curriculum-Publications	2.5	AERO 101.1 Airframe and Powerplant General Curriculum-Materials	2.5	AERO 101.2 Airframe and Powerplant General Curriculum-Servicing	2.5	AERO 102 Airframe Maintenance Lecture-Structures	6	AERO 103 Airframe Maintenance Lecture-Systems and Components	6	AERO 104 Powerplant Maintenance Lecture-Reciprocating Engine Overhaul	6	AERO 105 Powerplant Maintenance Lecture Accessory Overhaul	6	AERO 106.1 Airframe and Powerplant General Laboratory-Calculations	1	AERO106.2 Airframe and Powerplant General Laboratory-Publications	1	AERO 107.1 Airframe and Powerplant General Laboratory-Materials	1	AERO 107.2 Airframe and Powerplant General Laboratory-Servicing	1	AERO 108 Airframe Maintenance Laboratory-Structures	5	AERO 109 Airframe Maintenance Laboratory-Systems and Components	5	AERO 110 Powerplant Maintenance Laboratory-Reciprocating Engine Overhaul	5	AERO 111 Powerplant Maintenance Laboratory-Accessory Overhaul	5	TOTAL UNITS:	58	FA06	To update the certificate with updated courses.
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<p>FLIGHT OPERATIONS</p>	<p>FLIGHT OPERATIONS AND MANAGEMENT</p> <p>The certificate program in Flight Operations is designed for students interested in careers as a pilot in general aviation, commercial aviation, or military aviation. This certificate prepares students for immediate employment or for transfer to other colleges, and includes Federal Aviation Administration approved curricula in basic ground school, advanced ground school, and instrument ground school. Through San Bernardino Valley College Flying Club, students have the opportunity to gain additional flight experience at a nominal cost as they prepare for the private pilot, commercial pilot, or instrument pilot ratings. Students working for certificates must have a basic knowledge of arithmetic, reading, and writing in order to learn and work in the occupations they select.</p> <p>REQUIRED COURSES: UNITS</p> <p>AERO 121 Aviation Fundamentals 3</p> <p>*AERO 122D FAA Private Pilot Ground School 6</p> <p>AERO 124 Aircraft Power Plants 3</p> <p>AERO 125 Flight Safety 2</p> <p>AERO 126 Aircraft Structures 3</p> <p>AERO 134 Civil Aviation Management and Laws 3</p> <p>AERO140D Instrument Ground School and Flight Simulators 4</p> <p>AERO 144 Aviation Weather 3</p> <p>BUSAD 100 Introduction to Business 3</p> <p>PHYSIC 101 Basic Physics 4</p> <p>TOTAL UNITS: 34</p> <p>*Will be waived if students have taken equivalent course.</p>	<p>FA06</p>	<p>To update the certificate with updated courses.</p>
<p>OFFICE/CLERICAL</p>	<p>OFFICE/CLERICAL CERTIFICATE</p> <p>REQUIRED COURSES: UNITS</p> <p>CIT 013 Intermediate Keyboarding 3</p> <p>CIT 020 Word 3</p> <p>CIT 025 Outlook 2</p> <p>CIT 031 Business English 3</p> <p>CIT 033 Machine Calculations 3</p> <p>CIT 039 Strategies for Successful Employment 3</p> <p>CIT 060 General Office Procedures 3</p> <p>CIT 100 Using the PC 3</p> <p>CIT 114 Spreadsheets: Excel 3</p> <p>CIT 118 Powerpoint 2</p> <p>CIT 120 Internet 2</p> <p>CIT 198 Work Experience 1-4</p> <p>TOTAL UNITS: 31-34</p>	<p>FA06</p>	<p>To update the certificate with updated courses.</p>
<p>POWERPLANT MAINTENANCE TECHNICIAN</p>	<p>POWERPLANT MAINTENANCE TECHNICIAN</p> <p>This certificate is designed to prepare students to qualify for the Powerplant Certificate issued by the Federal Aviation Administration, which enables the holder to perform 100-hour inspections on aircraft ranging from small aircraft used in general aviation through jets utilized by commercial airlines. The written examinations are administered by the Federal Aviation Administration through computer testing centers. The practical portion of the certificate is administered here at San Bernardino Valley College. The total program requires 1,150 hours of lecture and laboratory. Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.</p> <p>REQUIRED COURSES: UNITS</p> <p>AERO 100.1 Airframe and Powerplant General Curriculum-Calculations 2.5</p> <p>AERO 100.2 Airframe and Powerplant General Curriculum-Publications 2.5</p> <p>AERO 101.1 Airframe and Powerplant General Curriculum-Materials 2.5</p> <p>AERO 101.2 Airframe and Powerplant General Curriculum-Servicing 2.5</p> <p>AERO 104 Powerplant Maintenance Lecture-Reciprocating Engine Overhaul 6</p> <p>AERO 105 Powerplant Maintenance Lecture Accessory Overhaul 6</p> <p>AERO 106.1 Airframe and Powerplant General Laboratory-Calculations 1</p> <p>AERO106.2 Airframe and Powerplant General Laboratory-Publications 1</p> <p>AERO 107.1 Airframe and Powerplant General Laboratory-Materials 1</p> <p>AERO 107.2 Airframe and Powerplant General Laboratory-Servicing 1</p> <p>AERO 110 Powerplant Maintenance Laboratory-Reciprocating Engine Overhaul 5</p> <p>AERO 111 Powerplant Maintenance Laboratory-Accessory Overhaul 5</p> <p>TOTAL UNITS: 36</p>	<p>FA06</p>	<p>To update the certificate with updated courses.</p>

Curriculum Meetings: 11-21-05; 12-05-05; 12-07-05
 Conjoint Meeting: 12-12-05 (electronic)
 Board of Trustee Meeting: 02-09-06

TOOL AND DIE	<p>TOOL AND DIE</p> <p>This certificate is designed to prepare students for entry-level employment producing tools, dies, and special guiding and holding devices that enable machines to manufacture a variety of products we use daily - from clothing and furniture to heavy equipment and parts for aircraft. Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.</p> <table border="0"> <thead> <tr> <th data-bbox="318 239 889 260">Required Courses:</th> <th data-bbox="889 239 971 260">Units</th> </tr> </thead> <tbody> <tr> <td data-bbox="318 264 889 285">Machine Technology Core Requirements</td> <td data-bbox="889 264 971 285">25</td> </tr> <tr> <td data-bbox="318 289 889 310">MACH 160B Tool and Die</td> <td data-bbox="889 289 971 310">4</td> </tr> <tr> <td data-bbox="318 315 889 336">MACH 061B Jig and Fixture Making</td> <td data-bbox="889 315 971 336">4</td> </tr> <tr> <td data-bbox="318 340 889 361">MACH 129B Manufacturing Processes</td> <td data-bbox="889 340 971 361">3</td> </tr> <tr> <td data-bbox="318 365 889 386">Total Units required for the Tool and Die Certificate</td> <td data-bbox="889 365 971 386">36</td> </tr> </tbody> </table>	Required Courses:	Units	Machine Technology Core Requirements	25	MACH 160B Tool and Die	4	MACH 061B Jig and Fixture Making	4	MACH 129B Manufacturing Processes	3	Total Units required for the Tool and Die Certificate	36	FA06	To update the certificate with updated courses.
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