

**SAN BERNARDINO VALLEY COLLEGE
SUBMITTED FOR BOARD OF TRUSTEE APPROVAL
DECEMBER 2008**

NEW COURSE			
COURSE ID		EFF DATE	RATIONALE
WST 098	<p>DIVISION: SCIENCE</p> <p>DEPARTMENT: WATER SUPPLY TECHNOLOGY</p> <p>COURSE ID: WST 098</p> <p>COURSE TITLE: WATER SUPPLY TECHNOLOGY WORK EXPERIENCE</p> <p>UNITS: 1.00 - 4.00</p> <p>LABORATORY: 5.00 - 20.00 CONTACT HOURS PER WEEK</p> <p>PREREQUISITE: NONE</p> <p>CATALOG DESCRIPTION: Supervised training in the form of on the job employment that will enhance the student's educational goals. The student's major and job must match. Students work 5-20 hours per week to earn units using the following formula: For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 or 198 courses. Students MUST be working for pay or volunteer before registering for a Work Experience class. NOTE: Only one section of Work Experience may be taken during a semester.</p> <p>SCHEDULE DESCRIPTION: Supervised training in the form of on the job employment that will enhance the student's educational goals. The student's major and job must match. Students work 5-20 hours per week to earn units using the following formula: For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 or 198 courses. Students MUST be working for pay or volunteer before registering for a Work Experience class. NOTE: Only one section of Work Experience may be taken during a semester.</p>	FA09	<p>STUDENTS NEED WORK EXPERIENCE IN ORDER TO TAKE STATE LICENSING EXAM IN WASTE WATER AND ADVANCE LEVEL LICENSING EXAM IN WATER TREATMENT AND DISTRIBUTION.</p>

MODIFIED COURSE				
COURSE ID	COURSE TITLE	MODIFICATION	EFF DATE	RATIONALE
AUTO 038X3	BASIC AUTO BODY	<p>COURSE TITLE: NON-STRUCTURAL ANALYSIS AND DAMAGE REPAIR</p> <p>LECTURE: 6 CONTACT HOURS PER WEEK 96 - 108 CONTACT HOURS PER SEMESTER</p> <p>LABORATORY: 9 CONTACT HOURS PER WEEK 144 - 162 CONTACT HOURS PER SEMESTER</p> <p>CATALOG DESCRIPTION: This course covers theory and practical experience in automotive collision repair and refinishing and shop safety practices. Topics include Oxy-acetylene welding fundamentals, metal finishing, and South Coast Air Quality Management District (SCAQMD) rules and regulations. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test. Students are advised to take AUTO 038 Non-structural Analysis and Damage Repair first in this series of auto collision repair and refinishing courses.</p> <p>SCHEDULE DESCRIPTION: This course covers theory and practical experience in the fundamentals of automotive collision repair and refinishing and shop safety practices. This course may be used in preparation for the ASE National Test. Students are advised to take AUTO 038 Non-structural Analysis and Damage Repair first in this series of auto collision repair and refinishing courses.</p>	FA09	<p>UPDATING COURSE TO KEEP UP WITH NATIONAL AUTOMOTIVE TECHNICIANS EDUCATION FOUNDATION (NATEF), AUTOMOTIVE SERVICE EXCELLENCE (ASE), AND AUTOMOTIVE COLLISION AND REFINISHING INDUSTRY STANDARDS. COURSE TITLE: TO KEEP UP WITH INDUSTRY STANDARDS COMPLETE SENTENCES ON CATALOG AND SCHEDULE DESCRIPTIONS HOURS: DUE TO THE AMOUNT OF THE NEW INFORMATION THAT NEEDS TO BE CONVEYED TO THE STUDENTS, MORE LECTURE HOURS ARE REQUIRED.</p>
AUTO 039X3	SECONDARY AUTO BODY	<p>COURSE TITLE: STRUCTURAL ANALYSIS AND DAMAGE REPAIR</p> <p>LECTURE: 6 CONTACT HOURS PER WEEK 96 - 108 CONTACT HOURS PER SEMESTER</p> <p>LABORATORY: 9 CONTACT HOURS PER WEEK</p>	FA09	<p>UPDATING COURSE TO KEEP UP WITH NATIONAL AUTOMOTIVE TECHNICIANS EDUCATION FOUNDATION (NATEF), AUTOMOTIVE SERVICE</p>

		<p>144 - 162 CONTACT HOURS PER SEMESTER</p> <p>CATALOG DESCRIPTION: This course covers theory and practical experience in auto collision repair and shop safety, with a focus on Metal Inert Gas (MIG) welding, panel replacement, theory and practical experience in minor unibody frame repair, painting equipment and refinishing materials, Environmental Protection Agency (EPA) and South Coast Air Quality Management District (SCAQMD) requirements. Students are advised to take AUTO 038 Non-structural Analysis and Damage Repair first in this series of auto collision repair and refinishing courses.</p> <p>SCHEDULE DESCRIPTION: This course covers theory and practical experience in the fundamentals of automotive collision repair and refinishing and shop safety practices. This course may be used in preparation for the ASE National Test. Students are advised to take AUTO 038 Non-structural Analysis and Damage Repair first in this series of auto collision repair and refinishing courses.</p>		<p>EXCELLENCE (ASE), AND AUTOMOTIVE COLLISION AND REFINISHING INDUSTRY STANDARDS. COURSE TITLE: TO KEEP UP WITH INDUSTRY STANDARDS COMPLETE SENTENCES ON CATALOG AND SCHEDULE DESCRIPTIONS HOURS: DUE TO THE AMOUNT OF THE NEW INFORMATION THAT NEEDS TO BE CONVEYED TO THE STUDENTS, MORE LECTURE HOURS ARE REQUIRED. CHANGE PREREQUISITE TO DEPARTMENTAL ADVISORY: DUE TO THE AUTO 039X3 COURSE MODIFICATION, IT IS RECOMMENDED NOT REQUIRED THAT STUDENTS COMPLETE AUTO 038X3 PRIOR TO ENROLL IN AUTO 039X3.</p>
AUTO 048X3	INTERMEDIATE AUTO BODY	<p>COURSE TITLE: AUTO COLLISION REFINISHING</p> <p>LECTURE: 6 CONTACT HOURS PER WEEK 96 - 108 CONTACT HOURS PER SEMESTER</p> <p>LABORATORY: 9 CONTACT HOURS PER WEEK 144 - 162 CONTACT HOURS PER SEMESTER</p> <p>CATALOG DESCRIPTION: This course covers theory and practical experience in automotive collision repair and refinishing, shop safety practices, personal safety, and health protection as outlined by Environmental Protection Agency (EPA) and South Coast Air Quality Management District (SCAQMD). Topics include Metal Inert Gas (MIG)</p>	FA09	<p>UPDATING COURSE TO KEEP UP WITH NATIONAL AUTOMOTIVE TECHNICIANS EDUCATION FOUNDATION (NATEF), AUTOMOTIVE SERVICE EXCELLENCE (ASE), AND AUTOMOTIVE COLLISION AND REFINISHING INDUSTRY STANDARDS. COURSE TITLE: TO KEEP UP WITH INDUSTRY STANDARDS COMPLETE SENTENCES ON CATALOG AND SCHEDULE</p>

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		<p>welding/aluminum; major frame repair; measuring and analyzing collision damage; operating electronic measuring systems; Sheet Molded Compound (SMC) panel replacement; heat reshaping plastic parts; electrical and electronic systems; single-, two-, and three-stage refinishing systems; spot repairing/blending; polishing; detailing; estimating; and custom painting. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test B2. Students are advised to take AUTO 039 Structural Analysis and Damage Repair second in this series of auto collision repair and refinishing courses.</p> <p>SCHEDULE DESCRIPTION: This course covers theory and practical experience in automotive collision repair and refinishing; shop safety practices, personal safety and health protection; single-, two-, and three-stage refinishing systems; spot repairing/blending; polishing; and detailing. This course may be used in preparation for the ASE National Test B2. Students are advised to take AUTO 039 Structural Analysis and Damage Repair second in this series of auto collision repair and refinishing courses.</p>		<p>DESCRIPTIONS HOURS: DUE TO THE AMOUNT OF THE NEW INFORMATION THAT NEEDS TO BE CONVEYED TO THE STUDENTS, MORE LECTURE HOURS ARE REQUIRED. CHANGE PREREQUISITE TO DEPARTMENTAL ADVISORY: DUE TO THE AUTO 048X3 COURSE MODIFICATION, IT IS RECOMMENDED NOT REQUIRED THAT STUDENTS COMPLETE AUTO 039X3 PRIOR TO ENROLL IN AUTO 048X3.</p>
AUTO 084	GENERAL AUTOMOTIVE TECHNOLOGY	<p>CATALOG DESCRIPTION: This course covers general theory, principles, and service procedures relating to an introduction to automotive maintenance with emphasis on component identification, basic functions, minor maintenance, and service.</p> <p>SCHEDULE DESCRIPTION: This course covers general theory, principles, and service procedures relating to an introduction to automotive maintenance with emphasis on component identification, basic functions, minor maintenance, and service.</p>	FA09	<p>CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION</p>
BIOL 270	MICROBIOLOGY	<p>DEPARTMENTAL ADVISORY: ENGL 101 OR ENGL 101H</p> <p>PREREQUISITE:</p>	FA09	<p>TO REFLECT CHANGES IN CURRICULUM</p>

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		<p>BIOL 250 OR BIOL 260 OR BIOL 261 OR BIOL 201 CHEM 101</p> <p>CATALOG DESCRIPTION: This course is a formal introduction to the fundamental principles of microbiology and immunology. Attention is given to the morphology, control, metabolism and genetics of microorganisms. Emphasis is placed on the pathogenesis of and immunity to infectious diseases.</p> <p>SCHEDULE DESCRIPTION: This course is a formal introduction to the principles of microbiology and immunology. The pathogenesis of and immunity to infectious diseases is covered.</p>		
BIOL 290	BIOTECHNOLOGY I	<p>PREREQUISITE: BIOL 201 or BIOL 270</p> <p>COREQUISITE: CHEM 104 or CHEM 212 or CHEM 212H</p> <p>CATALOG DESCRIPTION: This course will focus on basic principles of cellular and molecular biology and laboratory methods utilized in the biotechnology industry. Students will learn the foundations of lab safety and documentation, skills in the maintenance and calibration of basic lab equipment, calculation and preparation of laboratory solutions and principles of separation of cellular components and macromolecules.</p> <p>SCHEDULE DESCRIPTION: This course will focus on basic principles of cellular and molecular biology as it relates to biotechnology and laboratory methods utilized in the biotechnology industry.</p>	FA09	TO REFLECT CHANGES IN CURRICULUM
CIT 020	WORD PROCESSING: MICROSOFT WORD	<p>CATALOG DESCRIPTION: This course is an introduction to word processing and the creation of professional quality documents using Microsoft Word software.</p> <p>SCHEDULE DESCRIPTION:</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION

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		This course is an introduction to word processing and the creation of professional quality documents using Microsoft Word software.		
CIT 025	MICROSOFT OFFICE OUTLOOK	<p>CATALOG DESCRIPTION: This course is an introduction to a personal information management program that helps organize a busy schedule. Students will learn how to track schedules, organize meetings, create e-mail messages, share information and data within workgroups, and maintain contact lists.</p> <p>SCHEDULE DESCRIPTION: This course is an introduction to a personal information management program that helps organize a busy schedule. Students will learn how to track schedules, organize meetings, create e-mail messages, share information and data within workgroups, and maintain contact lists.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
CIT 092	NETWORKING FUNDEMENTALS BASIC ROUTING, SEMESTER TWO (CISCO NETWORKING ACADEMY)	<p>COURSE TITLE: BASIC ROUTING SEMESTER TWO (CISCO NETWORKING ACADEMY)</p> <p>CATALOG DESCRIPTION: This course is the second course in a four course sequence preparing students to take the Cisco Certified Network Associate certification examination. The course gives students theoretical and hands-on practical experience with TCP/IP based internetwork routing including appropriate configurations of routers. Network design and operation for operational efficiency, scalability, robustness, security, and reliability are emphasized. Critical analysis of requirements and analytical troubleshooting skills are taught and practiced.</p> <p>SCHEDULE DESCRIPTION: This course is the second course in a four course sequence preparing students to take the Cisco Certified Network Associate certification examination.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
CIT 093	FUNDEMENTALS OF LANS, LOCAL AREA NETWORKS, SEMESTER THREE	<p>PREREQUISITE: CIT 091</p> <p>CATALOG DESCRIPTION:</p>	FA09	TO REFLECT CHANGES IN TECHNOLOGY AND CISCO

	(CISCO NETWORKING ACADEMY)	<p>This course is designed to provide students with classroom and laboratory experience in configuring routers, switches, and Wireless Access Points for various industry standard protocols. Includes LAN design fundamentals, Virtual LANs and Virtual Trunking Protocol. Equipment is configured to handle standard security issues as well as additional security concerns that are inherent with wireless access.</p> <p>SCHEDULE DESCRIPTION: This course is part of a four course group designed to prepare students to take the Cisco Certified Network Associate certification examination. This course thoroughly covers topics related to wired and wireless LANs.</p>		<p>CERTIFICATION EXAMINATIONS.</p> <p>CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION</p>
CIT 094	FUNDEMENTALS OF WANS, WIDE AREA NETWORKS, SEMESTER FOUR (CISCO NETWORKING ACADEMY)	<p>PREREQUISITE: CIT 091</p> <p>CATALOG DESCRIPTION: The fourth semester of the Cisco Academy program provides students with classroom and laboratory experience with Wide Area Networks (WANs) and network security. WAN design, configuration, installation and management topics are included. Security issue relating to WAN access including user access control, packet and protocol filtering, and security policies are also covered.</p> <p>SCHEDULE DESCRIPTION: This course is part of a four course group designed to prepare students to take the Cisco Certified Network Associate certification examination. The topics of Wide Area Networks and network security are covered.</p>	FA09	<p>TO REFLECT CHANGES IN TECHNOLOGY.</p> <p>CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION</p>
CIT 100	INTRODUCTION TO PERSONAL COMPUTERS	<p>CATALOG DESCRIPTION: A survey course for the use of software tools such as word processing, spreadsheets, graphics, presentation and database using Microsoft Office.</p> <p>SCHEDULE DESCRIPTION: A survey course for the use of software tools such as word processing, spreadsheets, graphics, presentation and database using Microsoft Office.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION

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CIT 105	INTRODUCTION TO WINDOWS	<p>LECTURE: 1 CONTACT HOURS PER WEEK 16 - 18 CONTACT HOURS PER SEMESTER</p> <p>LABORATORY: 3 CONTACT HOURS PER WEEK 48 - 54 CONTACT HOURS PER SEMESTER</p> <p>CATALOG DESCRIPTION: This course is an introduction to the computer operating system that simplifies the process of working with documents and applications. It will provide the necessary background to understand the graphical user interface of the most widely used operating system.</p> <p>SCHEDULE DESCRIPTION: This course is an introduction to the computer operating system that simplifies the process of working with documents and applications.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
CIT 120	INTERNET	<p>LECTURE: 1 CONTACT HOURS PER WEEK 16 - 18 CONTACT HOURS PER SEMESTER</p> <p>LABORATORY: 3 CONTACT HOURS PER WEEK 48 - 54 CONTACT HOURS PER SEMESTER</p> <p>CATALOG DESCRIPTION: This course provides the basics of the Internet using current technology browser software. The course includes the effective use of web search portals, online collaboration software, and implications of security, privacy and ethical usage.</p> <p>SCHEDULE DESCRIPTION: This course provides the basics of the Internet using current technology browser software. The course includes the effective use of web search portals, online collaboration software, and implications of security, privacy and ethical usage.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
CIT 122	WEB PUBLISHING	<p>CATALOG DESCRIPTION: An introduction to Web Page design using hypertext markup language (HTML) and web design software.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE

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		SCHEDULE DESCRIPTION: An introduction to Web Page design using hypertext language (HTML) and web design software.		DESCRIPTION
ELECTR 220B	F.C.C. RULES AND REGULATIONS	COURSE ID: ELECTR 220C CATALOG DESCRIPTION: This course is a review of the requirements and questions for the General Radiotelephone Operator's License offered by the Federal Communications Commission. SCHEDULE DESCRIPTION: This course is a review of the requirements and questions for the General Radiotelephone Operator's License offered by the Federal Communications Commission.	FA09	MODIFY COURSE NUMBER FROM ELECTR 220B TO ELECTR 220C DUE TO THE RAPID CHANGES IN TECHNOLOGY, LAWS AND CODES, AND THE NECESSITY FOR TECHNICIAN RE-CERTIFICATION, SOME AGENCIES (I.E. EPA, FCC, STATE AND FEDERAL GOVERNMENTS) ARE REQUIRING RE-CERTIFICATION.
ELECTR 250B	RADIO TRANSMITTERS, RECEIVERS AND ANTENNAS	COURSE ID: ELECTR 250C PREREQUISITE: ELECTR 115 and ELECTR 116 CATALOG DESCRIPTION: This course includes coverage of radio frequency amplifiers, oscillators, signal spectra, elements of noise, AM and FM modulation and demodulation, AM and FM transmitter and receiver systems, transmitter and receiver circuits, frequency and phase modulation and demodulation, phase locked loops, pulse and digital modulation and demodulation, and data communication techniques. SCHEDULE DESCRIPTION: This course is a study of AM and FM transmitter and receiver systems and data communication techniques.	FA09	MODIFY COURSE NUMBER FROM ELECTR 250B TO ELECTR 250C DUE TO THE RAPID CHANGES IN TECHNOLOGY, LAWS AND CODES, AND THE NECESSITY FOR TECHNICIAN RE-CERTIFICATION, SOME AGENCIES (I.E. FCC AND STATE AND FEDERAL GOVERNMENTS) ARE REQUIRING RE-CERTIFICATION.
ELECTR 255B	TELEPHONE NETWORKING	COURSE ID: ELECTR 255C COURSE TITLE: TELEPHONE AND DATA NETWORKING PREREQUISITE: ELECTR 115 and ELECTR 116 CATALOG DESCRIPTION: This course includes telephone topology with emphasis on the Open System Interconnection (OSI) model, telephony color code, tools, patch	FA09	MODIFY COURSE NUMBER FROM ELECTR 255B TO ELECTR 255C DUE TO THE RAPID CHANGES IN TECHNOLOGY, LAWS AND CODES, AND THE NECESSITY FOR TECHNICIAN RE-CERTIFICATION, SOME AGENCIES (I.E. FEDERAL COMMUNICATIONS COMMISSION AND

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		panels, phone wiring and installation, voice and data block wiring, installation, and programming/troubleshooting a digital key system and network. SCHEDULE DESCRIPTION: Telephone and data networking, TCP/IP fundamentals		THE STATE AND FEDERAL GOVERNMENTS) ARE REQUIRING RE-CERTIFICATION.
ELECTR 257B	NAVIGATION AND COMMUNICATION SYSTEMS	COURSE ID: ELECTR 257C PREREQUISITE: ELECTR 250C CATALOG DESCRIPTION: This course covers the bench test, installation and ramp test of transmitter and receiver systems and their operating principles. Systems include Auto Direction Finder, Very High Frequency Omnirange, LORAN-C, Omega, INS, DME, ILS, VHF communication, HF communication, FM transceivers and transponder. SCHEDULE DESCRIPTION: This course covers the bench test, installation and ramp test of transmitter and receiver systems and their operating principles.	FA09	MODIFY COURSE NUMBER FROM ELECTR 257B TO ELECTR 257C DUE TO THE RAPID CHANGES IN TECHNOLOGY, LAWS AND CODES, AND THE NECESSITY FOR TECHNICIAN RE-CERTIFICATION, SOME AGENCIES (I.E. FEDERAL COMMUNICATIONS COMMISSION AND THE STATE AND FEDERAL GOVERNMENTS) ARE REQUIRING RE-CERTIFICATION. MODIFY PREREQUISITE FROM ELECTR 250B TO ELECTR 250C TO REFLECT THE CHANGE IN COURSE NUMBER.
ELECTR 265	DIGITAL LOGIC DESIGN	CATALOG DESCRIPTION: This course covers combinational logic utilizing Boolean algebra and the binary numbering system. Topics include Karnaugh maps, truth tables, coding, switching circuits, converters, logic circuit elements, timers, digital-to-analog and analog-to-digital conversions, decoders, multiplexers, demultiplexers, and displays. SCHEDULE DESCRIPTION: This course covers combinational logic utilizing Boolean algebra and the binary numbering system. Topics include Karnaugh maps, truth tables, coding, switching circuits, converters, logic circuit elements, timers, digital-to-analog and analog-to-digital conversions, decoders, multiplexers, demultiplexers, and displays.	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION

<p>ELECTR 266</p>	<p>MICROPROCESSOR TECHNOLOGY</p>	<p>COURSE TITLE: MICROPROCESSOR TECHNOLOGY WITH ASSEMBLY LANGUAGE</p> <p>CATALOG DESCRIPTION: This course covers the fundamental principles of microprocessors, the 8051 series microcontroller, emphasizing their operation and applications in radio, VCRs and traffic control. Makes use of assembly language interfacing with both analog and digital circuitry. Includes breadboarding circuits and controlling them with the 8051 series microcontroller.</p> <p>SCHEDULE DESCRIPTION: This course covers the fundamental principles of microprocessors, the 8051 series microcontroller, emphasizing their operation and applications in radio, VCRs and traffic control.</p>	<p>FA09</p>	<p>CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION</p>
<p>ELECTR 270</p>	<p>LINEAR INTEGRATED CIRCUIT ANALYSIS</p>	<p>CATALOG DESCRIPTION: This course is a review of bipolar transistor fundamentals and differential amplifiers with emphasis on inner connections and circuit designs using integrated circuit operational amplifiers, phase-lock loops, and current differentiating amplifiers. Includes breadboarding and evaluation of various types of active linear and pulse circuits involving operational amplifiers and phase-lock loops.</p> <p>SCHEDULE DESCRIPTION: This course is a review of bipolar transistor fundamentals, differential amplifiers, and phase-lock loops.</p>	<p>FA09</p>	<p>CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION</p>
<p>ELECTR 280B</p>	<p>MINI COMPUTER OPERATION AND MAINTENANCE</p>	<p>COURSE ID: ELECTR 280C</p> <p>COURSE TITLE: COMPUTER OPERATION AND MAINTENANCE</p> <p>CATALOG DESCRIPTION: This course provides a working knowledge of the principles and analysis techniques applicable to computer operations and maintenance. Includes the theory and experience necessary to understand and analyze computer circuitry as needed for entry-level work in the computer and electronics industry.</p>	<p>FA09</p>	<p>MODIFY COURSE NUMBER FROM ELECTR 280B TO ELECTR 280C DUE TO THE RAPID CHANGES IN TECHNOLOGY, LAWS AND CODES, AND THE NECESSITY FOR PROFESSIONAL DEVELOPMENT AND TECHNICIAN RE- CERTIFICATION, COMPUTER REPAIR TECHNICIANS HOLD WHAT IS CALLED IN THE INDUSTRY AS A+</p>

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		<p>SCHEDULE DESCRIPTION: This course provides a working knowledge of the principles and analysis techniques applicable to computer operations and maintenance.</p>		<p>CERTIFICATION, WHICH IS THE BASIS FOR THIS COURSE, AND ARE REQUIRED TO BE RE-CERTIFIED.</p>
<p>ELECTR 290B</p>	<p>INDUSTRIAL COMPUTERS AND ROBOTICS MAINTENANCE</p>	<p>COURSE ID: ELECTR 290C</p> <p>CATALOG DESCRIPTION: This course is a comprehensive study of computers and robots used in industry. Including diagnostics and programming for controlling robots, machines and medical equipment.</p> <p>SCHEDULE DESCRIPTION: This course is a comprehensive study of computers and robots used in industry. Including diagnostics and programming for controlling robots, machines and medical equipment. knowledge of the principles and analysis techniques applicable to computer operations and maintenance.</p>	<p>FA09</p>	<p>MODIFY COURSE NUMBER FROM ELECTR 290B TO ELECTR 290C DUE TO THE RAPID CHANGES IN TECHNOLOGY, LAWS AND CODES, AND THE NECESSITY FOR PROFESSIONAL DEVELOPMENT AND TECHNICIAN RE-CERTIFICATION, SOME AGENCIES (I.E. FEDERAL COMMUNICATIONS COMMISSION, NARTE, AND THE STATE AND FEDERAL GOVERNMENTS) ARE REQUIRING RE-CERTIFICATION.</p>
<p>ENGL 911</p>	<p>BASIC GRAMMAR AND USAGE REVIEW</p>	<p>CATALOG DESCRIPTION: This course covers a review of basic English grammar and common errors in grammar and usage.</p> <p>SCHEDULE DESCRIPTION: This course covers a review of basic English grammar and common errors in grammar and usage.</p>	<p>FA09</p>	<p>CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION</p>
<p>ESL 907</p>	<p>PRACTICAL CONVERSATION</p>	<p>COURSE TITLE: BASIC CONVERSATIONAL ENGLISH</p> <p>CATALOG DESCRIPTION: This course is designed to increase nonnative students' skills in basic conversation, listening and pronunciation of the English language.</p> <p>SCHEDULE DESCRIPTION: This course is designed to increase nonnative students' skills in basic conversation, listening and pronunciation of the English language.</p>	<p>FA09</p>	<p>CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION</p>
<p>ESL 930</p>	<p>PATTERNS OF CONTEMPORARY ENGLISH I</p>	<p>COURSE TITLE: COMPOSITION BASED ESL LEVEL 1 – BEGINNING</p> <p>DEPARTMENTAL ADVISORY: COMPLETION OF THE HIGHEST</p>	<p>FA09</p>	<p>CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE</p>

		<p>LEVEL ESL COURSE COMMONLY TAUGHT AT ADULT SCHOOLS</p> <p>CATALOG DESCRIPTION: This is the first of a four-course sequence designed to give non-native speakers of English a comprehensive understanding of English composition. The focus of this course is on creating effective sentences and paragraphs, including a review of grammar, punctuation and usage. The grammatical emphasis of this course will be on simple present, past and future tenses. It also has some emphasis on pronunciation, listening and speaking. This course is taught through total immersion.</p> <p>SCHEDULE DESCRIPTION: This is the first of a four-course sequence designed to give non-native speakers of English a comprehensive understanding of English composition. The focus of this course is on creating effective sentences and paragraphs, including a review of grammar, punctuation and usage.</p>		DESCRIPTION
ESL 931	PATTERNS OF CONTEMPORARY ENGLISH II	<p>COURSE TITLE: COMPOSITION BASED ESL LEVEL 2 – BEGINNING</p> <p>CATALOG DESCRIPTION: This is the second of a four-course sequence designed to give nonnative speakers of English a comprehensive understanding of English composition. The focus of this course is on creating effective sentences and paragraphs, including a review of grammar, punctuation and usage. The grammatical emphasis of this course will be on present, past and future continuous tenses and modal usage. It also has some emphasis on pronunciation, listening and speaking. This course is taught through total immersion.</p> <p>SCHEDULE DESCRIPTION: This is the second of a four-course sequence designed to give nonnative speakers of English a comprehensive understanding of English composition. The focus of this course is on creating effective sentences and paragraphs, including a review of grammar, punctuation and</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION

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		usage. The grammatical emphasis of this course will be on present, past and future continuous tenses and modal usage. It also has some emphasis on pronunciation, listening and speaking. This course is taught through total immersion.		
ESL 940	PATTERNS OF CONTEMPORARY ENGLISH III	<p>COURSE TITLE: COMPOSITION BASED ESL LEVEL 3 - INTERMEDIATE</p> <p>CATALOG DESCRIPTION: This is the third of a four-course sequence designed to give nonnative speakers of English a comprehensive understanding of English composition. The focus of this course is on creating effective sentences and paragraphs, including a review of grammar, punctuation and usage.</p> <p>SCHEDULE DESCRIPTION: This is the third of a four-course sequence designed to give nonnative speakers of English a comprehensive understanding of English composition. The focus of this course is on creating effective sentences and paragraphs, including a review of grammar, punctuation and usage.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
ESL 941	PATTERNS OF CONTEMPORARY ENGLISH IV	<p>COURSE TITLE: COMPOSITION BASED ESL LEVEL 4 - ADVANCED</p> <p>CATALOG DESCRIPTION: This is the last of a four-course sequence designed to give nonnative speakers of English a comprehensive understanding of English composition. The focus of this course is on creating effective sentences and paragraphs, including a review of grammar, punctuation and usage.</p> <p>SCHEDULE DESCRIPTION: This is the last of a four-course sequence designed to give nonnative speakers of English a comprehensive understanding of English composition. The focus of this course is on creating effective sentences and paragraphs, including a review of grammar, punctuation and usage.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION

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HUMSV 179	LEGAL/ETHICAL ISSUES IN HUMAN SERVICES	<p>CATALOG DESCRIPTION: This course is a study of the interpretation and practice of the legal/ethical responsibilities and liabilities encountered in providing and utilizing Human Services with special focus on privileged relationships, counseling, and confidentiality.</p> <p>SCHEDULE DESCRIPTION: This course is a study of the interpretation and practice of the legal/ethical responsibilities and liabilities encountered in Human Services.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
PHIL 101	INTRODUCTION TO PHILOSOPHY	<p>CATALOG DESCRIPTION: This course is a general introduction to the major problems in philosophy, with attention directed to both classical and modern philosophy as a basis for discussion of issues such as epistemology, metaphysics, ethics, and aesthetics.</p> <p>SCHEDULE DESCRIPTION: This is a general introduction to the major problems in philosophy, with attention directed to both classical and modern philosophy as a basis for discussion of issues such as epistemology, metaphysics, ethics, and aesthetics.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
PHIL 101H	INTRODUCTION TO PHILOSOPHY - HONORS	<p>CATALOG DESCRIPTION: This course is a general introduction to the major problems of philosophy, with attention directed to classical and modern philosophy as a basis for discussion of issues such as epistemology, metaphysics, ethics, and aesthetics. This course is intended for students in the Honors Program but is open to all students who desire more challenging coursework.</p> <p>SCHEDULE DESCRIPTION: This course is a general introduction to the major problems of philosophy, with attention directed to classical and modern philosophy as a basis for discussion of issues such as epistemology, metaphysics, ethics, and aesthetics. This course is intended for students in the Honors Program but is open to all students who desire more challenging coursework.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION

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PHIL 103	INTRODUCTION TO LOGIC: ARGUMENT AND EVIDENCE	<p>CATALOG DESCRIPTION: Introduction to the techniques of critical thought, including language analysis, inductive and deductive logic, symbolic logic, and the development of the scientific method.</p> <p>SCHEDULE DESCRIPTION: Introduction to the techniques of critical thought, including language analysis, inductive and deductive logic, symbolic logic, and the development of the scientific method.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
PHIL 105	INTRODUCTION TO ETHICS	<p>CATALOG DESCRIPTION: This course is an introduction to ethics focusing on the analysis of the basic ideas and principles underlying moral conduct. Theories such as utilitarianism, deontology, virtue ethics, and many others will form the basis of the course. Specific ethical problems arising in disciplines such as business, health care, administration of justice, and politics, as well as specific ethical problems confronting individuals, will also be addressed in this course.</p> <p>SCHEDULE DESCRIPTION: This course is an introduction to ethics focusing on the analysis of the basic ideas and principles underlying moral conduct. Theories such as utilitarianism, deontology, and virtue ethics will be used to analyze problems arising in the realms of business, health care, and politics.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
PHIL 112	PHILOSOPHY IN LITERATURE	<p>CATALOG DESCRIPTION: This course addresses ethical and metaphysical themes as presented in literature from the classical to the modern period. Philosophical problems such as freedom and determinism, the nature of virtue, the meaning of death, and the individual's relationship to the state and the structure of reality are explored through the encounter with novels, plays, short stories, and film.</p> <p>SCHEDULE DESCRIPTION: This course addresses ethical and metaphysical themes - such as freedom and determinism, the nature of virtue, and the meaning of death - as presented in literature (e.g. novels, plays, short stories, and essays) from the classical to the modern period.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION

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PHIL 180	DEATH AND DYING	<p>CATALOG DESCRIPTION: This course is a study of dying, death, and bereavement. Medical, ethical, legal, philosophical, and religious considerations will be explored (also offered as RELIG 180).</p> <p>SCHEDULE DESCRIPTION: This course is a study of dying, death, and bereavement. Medical, ethical, legal, philosophical, and religious considerations will be explored (also offered as RELIG 180).</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
PHT 041	PHARMACY SYSTEMS	<p>CATALOG DESCRIPTION: This course covers the application of advanced distribution and methods for dispensing medications within a laboratory setting. Emphasizes advanced concepts of pharmacy inventory control, data input, and repackaging systems.</p> <p>SCHEDULE DESCRIPTION: This course covers the application of advanced distribution and methods for dispensing medications within a laboratory setting. Emphasizes advanced concepts of pharmacy inventory control, data input, and repackaging systems.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
REALST 100	REAL ESTATE PRINCIPLES	<p>CATALOG DESCRIPTION: Fundamentals of real estate covering basic laws and principles of California real estate. Includes the background and terminology necessary for advanced study of real estate. The California Real Estate Commission requires this course in order to take the State of California Real Estate Salesperson License exam.</p> <p>SCHEDULE DESCRIPTION: Fundamentals of real estate covering basic laws and principles of California real estate. The California Real Estate Commission requires this course in order to take the State of California Real Estate Salesperson License exam.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
REALST 200	REAL ESTATE PRACTICE	<p>DEPARTMENTAL ADVISORY: NONE</p> <p>CATALOG DESCRIPTION: This course includes the day-to-day operations in real estate, overview of brokerage procedures and the various roles of the employee. The California Real Estate Commission requires this</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION

		<p>course in order to take the State of California Real Estate Salesperson and Broker License exams.</p> <p>SCHEDULE DESCRIPTION: This course includes the day-to-day operations in real estate, overview of brokerage procedures and the various roles of the employee. The California Real Estate Commission requires this course in order to take the State of California Real Estate Salesperson and Broker License exams.</p>		
REALST 205	REAL ESTATE APPRAISAL: RESIDENTIAL	<p>DEPARTMENT ADVISORY: NONE</p> <p>PREREQUISITE: REALST 100</p> <p>CATALOG DESCRIPTION: This course addresses purpose of appraisals, appraisal process and the different methods, approaches and techniques used to determine the value of various types of property. Successful completion of this course meets elective qualification for salesperson or broker licensing approval.</p> <p>SCHEDULE DESCRIPTION: This course addresses purpose of appraisals, appraisal process and the different methods, approaches and techniques used to determine the value of various types of property. Successful completion of this course meets elective qualification for salesperson or broker licensing approval.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
REALST 210	REAL ESTATE FINANCE	<p>DEPARTMENT ADVISORY: NONE</p> <p>PREREQUISITE: REALST 100</p> <p>CATALOG DESCRIPTION: This courses addresses the analysis of real estate financing including lending policies and problems in financing transactions in residential, apartment, commercial and special purpose properties, emphasizing methods of financing. Successful completion of this course meets elective qualification for salesperson or broker licensing approval.</p> <p>SCHEDULE DESCRIPTION: This course addresses the analysis of real estate financing including lending</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION

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		policies and problems in financing transactions in residential, apartment, commercial and special purpose properties.		
REALST 215	LEGAL ASPECTS OF REAL ESTATE	<p>CATALOG DESCRIPTION: This course is the study of real estate law with emphasis on applications in real estate brokerage and related fields. Successful completion of this course meets elective qualification for salesperson or broker licensing approval.</p> <p>SCHEDULE DESCRIPTION: This course is the study of real estate law with emphasis on applications in real estate brokerage and related fields.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
REFRIG 101X3	REFRIGERATION I	<p>COURSE ID: REFRIG 001X3</p> <p>CATALOG DESCRIPTION: This course covers basic principles of refrigeration, refrigerants, refrigeration components and tools; repair and testing of refrigeration units; and basic brazing and soldering. (Formerly REFRIG 101X3)</p> <p>SCHEDULE DESCRIPTION: This course covers basic principles of refrigeration, refrigerants, refrigeration components and tools; repair and testing of refrigeration units; and basic brazing and soldering. (Formerly REFRIG 101X3)</p> <p>COURSE EQUATES TRANSFER STATUS: Non transferable</p>	FA09	THE REFRIGERATION COURSES NO LONGER ARTICULATE WITH CSU. RE-NUMBERED TO ASSOCIATE DEGREE LEVEL ONLY.
REFRIG 102X3	REFRIGERATION II	<p>COURSE ID: REFRIG 002X3</p> <p>PREREQUISITE: REFRIG 001X3</p> <p>CATALOG DESCRIPTION: This course covers principles of refrigeration compression systems, operations and controls, refrigeration and freezer construction, piping and parts layout. Included in the lab work is troubleshooting and servicing domestic refrigeration units. (Formerly REFRIG 102X3)</p> <p>SCHEDULE DESCRIPTION: This course covers principles of refrigeration compression systems, operations and controls, refrigeration</p>	FA09	THE REFRIGERATION COURSES NO LONGER ARTICULATE WITH CSU. RE-NUMBERED TO ASSOCIATE DEGREE LEVEL ONLY.

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		<p>and freezer construction, piping and parts layout. Included in the lab work is troubleshooting and servicing domestic refrigeration units. (Formerly REFRIG 102X3)</p> <p>COURSE EQUATES TRANSFER STATUS: Non transferable</p>		
REFRIG 103X3	REFRIGERATION III	<p>COURSE ID: REFRIG 003X3</p> <p>PREREQUISITE: REFRIG 001X3</p> <p>CATALOG DESCRIPTION: This course covers theory of compressor construction and operation, principles of all types of refrigerant controls and multi-stage control devices pertaining to commercial and industrial refrigeration including practical lab work. (Formerly REFRIG 103X3)</p> <p>SCHEDULE DESCRIPTION: This course covers theory of compressor construction and operation, principles of all types of refrigerant controls and multi-stage control devices pertaining to commercial and industrial refrigeration including practical lab work. (Formerly REFRIG 103X3)</p> <p>COURSE EQUATES TRANSFER STATUS: Non transferable</p>	FA09	THE REFRIGERATION COURSES NO LONGER ARTICULATE WITH CSU. RE-NUMBERED TO ASSOCIATE DEGREE LEVEL ONLY.
REFRIG 104X3	REFRIGERATION ELECTRICITY I	<p>COURSE ID: REFRIG 004X3</p> <p>CATALOG DESCRIPTION: This course covers fundamentals of direct and alternating current circuits, test equipment, electric motors of all types, wiring and control devices used in modern refrigeration equipment including practical lab work with electrical refrigeration trainers and projects. (Formerly REFRIG 104X3)</p> <p>SCHEDULE DESCRIPTION: This course covers fundamentals of direct and alternating current circuits, test equipment, electric motors of all types, wiring and control devices used in modern refrigeration equipment including practical lab work with electrical refrigeration</p>	FA09	THE REFRIGERATION COURSES NO LONGER ARTICULATE WITH CSU. RE-NUMBERED TO ASSOCIATE DEGREE LEVEL ONLY.

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		trainers and projects. (Formerly REFRIG 104X3) COURSE EQUATES TRANSFER STATUS: Non transferable		
REFRIG 105X3	REFRIGERATION ELECTRICITY II	COURSE ID: REFRIG 005X3 PREREQUISITE: REFRIG 004X3 CATALOG DESCRIPTION: This course covers solid state control systems with emphasis on schematic reading and electrical troubleshooting pertaining to refrigeration equipment including practical lab work with electrical refrigeration trainers and projects. (Formerly REFRIG 105X3) SCHEDULE DESCRIPTION: This course covers solid state control systems with emphasis on schematic reading and electrical troubleshooting pertaining to refrigeration equipment including practical lab work with electrical refrigeration trainers and projects. (Formerly REFRIG 105X3) COURSE EQUATES TRANSFER STATUS: Non transferable	FA09	THE REFRIGERATION COURSES NO LONGER ARTICULATE WITH CSU. RE-NUMBERED TO ASSOCIATE DEGREE LEVEL ONLY.
REFRIG 106X3	AIR CONDITIONING AND HEATING	COURSE ID: REFRIG 006X3 PREREQUISITE: REFRIG 001X3 CATALOG DESCRIPTION: This course covers theory of multiple-stage systems and multiple-control devices with emphasis on condensing and evaporation equipment, heavy duty piping layout, forced-air heating, ventilation, and air conditioning including lab work with refrigeration trainers and projects. (Formerly REFRIG 106X3) SCHEDULE DESCRIPTION: This course covers theory of multiple-stage systems and multiple-control devices with emphasis on condensing and evaporation equipment, heavy duty piping layout, forced-air heating, ventilation, and air conditioning including lab work with refrigeration trainers and projects. (Formerly REFRIG 106X3) COURSE EQUATES	FA09	THE REFRIGERATION COURSES NO LONGER ARTICULATE WITH CSU. RE-NUMBERED TO ASSOCIATE DEGREE LEVEL ONLY.

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		TRANSFER STATUS: Non transferable		
RELIG 100	INTRODUCTION TO RELIGIOUS STUDIES	<p>CATALOG DESCRIPTION: This course is an introductory study of religion, with emphasis on religious experience, the origins and function of religion, and the various modes of religious expression. Necessarily broad in scope, this course will draw on Eastern, Western, ancient, and modern religious phenomena to help students understand various religious components, such as myth, ritual, scripture, art, doctrine, and mysticism.</p> <p>SCHEDULE DESCRIPTION: This course is an introductory study of religion, with emphasis on religious experience, the origins and function of religion, and the various modes of religious expression. Necessarily broad in scope, this course will draw on Eastern, Western, ancient, and modern religious phenomena to help students understand various religious components, such as myth, ritual, scripture, art, doctrine, and mysticism.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
RELIG 100H	INTRODUCTION TO RELIGIOUS STUDIES - HONORS	<p>CATALOG DESCRIPTION: This course is an introductory study of religion, with emphasis on religious experience, the origins and function of religion, and the various modes of religious expression. Necessarily broad in scope, this course will draw on Eastern, Western, ancient, and modern religious phenomena to help students understand various religious components, such as myth, ritual, scripture, art, doctrine, and mysticism. This course is intended for students in the Honors Program but is open to all students who desire more challenging coursework.</p> <p>SCHEDULE DESCRIPTION: This course is an introductory study of religion, with emphasis on religious experience, the origins and function of religion, and the various modes of religious expression. Necessarily broad in scope, this course will draw on Eastern, Western, ancient, and modern religious phenomena to help students understand various religious components, such as myth, ritual, scripture, art, doctrine, and</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION

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		mysticism. This course is intended for students in the Honors Program but is open to all students who desire more challenging coursework.		
RELIG 101	INTRODUCTION TO WORLD RELIGIONS	<p>CATALOG DESCRIPTION: This course is an introduction to the major religious traditions of the world with an emphasis on the beliefs, practices, and histories of Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, and Taoism.</p> <p>SCHEDULE DESCRIPTION: This course is an introduction to the major religious traditions of the world with an emphasis on the beliefs, practices, and histories of Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, and Taoism.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
RELIG 135	RELIGION IN AMERICA	<p>CATALOG DESCRIPTION: This course is an introduction to the diverse expression of religion in the United States. Although limited by the history and geography of one country, the course necessarily draws from religions around the globe to help students understand how religion has grown and developed in the U.S. So, this course deals with a wide variety of expressions of religion, including the Puritans, slave religion, the religious reform movements, the Catholic, Protestant, Jewish, and Muslim communities, the African American religious experience, Eastern religions in America, and contemporary syncretistic religious movements.</p> <p>SCHEDULE DESCRIPTION: This course is an introduction to the diverse expression of religion in the United States, including the Puritans, slave religion, the religious reform movements, the Catholic, Protestant, Jewish, and Muslim communities, the African American religious experience, Eastern religions in America, and contemporary syncretistic religious movements.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
RELIG 150	INTRODUCTION TO MYTHOLOGY	<p>CATALOG DESCRIPTION: This course is an introduction to myth and its function in culture through an examination of creation stories, end-of-the world stories, hero stories, and trickster stories. Although focusing</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION

		<p>on the narrative expression of religion, this course necessarily draws from many traditions, including Native American, Greek, Roman, European, Islamic, Chinese, Hindu, and Japanese traditions of myth. In addition, this class will examine modern American myths.</p> <p>SCHEDULE DESCRIPTION: This course is an introduction to myth and its function in culture through an examination of creation stories, end-of-the world stories, hero stories, and trickster stories. Although focusing on the narrative expression of religion, this course necessarily draws from many traditions, including Native American, Greek, Roman, European, Islamic, Chinese, Hindu, and Japanese traditions of myth. In addition, this class will examine modern American myths.</p>		
RELIG 176	JESUS AND HIS INTERPRETERS	<p>CATALOG DESCRIPTION: This course is a study of images and interpretations of Jesus with three principle divisions: Jesus and the gospels or biblical tradition; Jesus and the historians, including the quest of historians and theologians for the Jesus of history; and Jesus and the arts (Jesus in art, music, film, and the literary arts, such as novels, poems, and plays.)</p> <p>SCHEDULE DESCRIPTION: This course is a study of images and interpretations of Jesus with three principle divisions: Jesus and the gospels or biblical tradition; Jesus and the historians, including the quest of historians and theologians for the Jesus of history; and Jesus and the arts (Jesus in art, music, film, and the literary arts, such as novels, poems, and plays.)</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
RELIG 180	DEATH AND DYING	<p>CATALOG DESCRIPTION: This course is a study of dying, death, and bereavement. Medical, ethical, legal, philosophical, and religious considerations will be explored (also offered as PHIL 180).</p> <p>SCHEDULE DESCRIPTION: This course is a study of dying, death, and bereavement. Medical, ethical, legal, philosophical, and religious considerations will be explored (also</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION

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		offered as PHIL 180).		
SOC 110	CONTEMPORARY SOCIAL ISSUES	<p>CATALOG DESCRIPTION: This course is an analysis of issues of concern in American society with an emphasis on social institutions and other areas such as crime, racism, sexism, aging, substance abuse, divorce, social inequality, poverty and social change.</p> <p>SCHEDULE DESCRIPTION: This course is an analysis of issues of concern in American society with an emphasis on social institutions and other areas such as crime, racism, sexism, aging, substance abuse, divorce, social inequality, poverty and social change.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION
SPAN 101	COLLEGE SPANISH I	<p>CATALOG DESCRIPTION: In this course students will develop the ability to converse, read, and write in Spanish. The course includes the study of essentials of pronunciation, vocabulary, idioms and grammatical structures along with an introduction to the cultures of Spanish speaking countries. This course corresponds to the first two years of high school study.</p> <p>SCHEDULE DESCRIPTION: In this course students will develop the ability to converse, read and write in Spanish. The course includes the study of essentials of pronunciation, vocabulary, idioms, and grammatical structures along with an introduction to the cultures of Spanish speaking countries. This course corresponds to the first two years of high school study.</p>	FA09	CONTENT REVIEW COMPLETE SENTENCES CATALOG & SCHEDULE DESCRIPTION

COURSE DELETION

COURSE ID	COURSE TITLE	EFF DATE	RATIONALE
AERO 011	POWER PLANT MAINTENANCE REVIEW	FA09	THIS COURSE HAS NOT BEEN OFFERED IN OVER EIGHT YEARS AND THE DEPARTMENT WILL NOT BE OFFERING THE COURSE IN THE NEAR FUTURE.
AERO 013	AIRFRAME MAINTENANCE REVIEW	FA09	THIS COURSE HAS NOT BEEN OFFERED IN OVER EIGHT YEARS AND THE DEPARTMENT WILL NOT BE OFFERING THE COURSE IN THE NEAR FUTURE.
AERO 131B	PRIVATE COMMERCIAL PILOT GROUND SCHOOL	FA09	THIS COURSE HAS NOT BEEN OFFERED IN OVER EIGHT YEARS AND THE DEPARTMENT WILL NOT BE OFFERING THE COURSE IN THE NEAR FUTURE.
CRMJUS 040	CITIZENS' ORIENTATION TO LAW ENFORCEMENT FUNCTIONS	FA09	THE SHERIFF'S DEPARTMENT IS NO LONGER OFFERING THIS COURSE.
CRMJUS 041	BASIC CRIME PREVENTION	FA09	THE SHERIFF'S DEPARTMENT IS NO LONGER OFFERING THIS COURSE.
CRMJUS 042	BUSINESS ACADEMY	FA09	THE SHERIFF'S DEPARTMENT IS NO LONGER OFFERING THIS COURSE.
MATH 285	HONORS IN MATHEMATICS I	FA09	THE MATH DEPARTMENT HAS DECIDED TO NO LONGER OFFER THIS COURSE, BASED ON RECENT ENROLLMENT.
POLICE 015	BASIC MOUNTED PATROL	FA09	THE SHERIFF'S DEPARTMENT IS NO LONGER OFFERING THIS COURSE.
POLICE 016	MOUNTED SEARCH AND RESCUE	FA09	THE SHERIFF'S DEPARTMENT IS NO LONGER OFFERING THIS COURSE.
POLICE 039	DIVE RESCUE	FA09	THE SHERIFF'S DEPARTMENT IS NO LONGER OFFERING

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			THIS COURSE.
POLICE 063	ARREST AND CONTROL	FA09	THE SHERIFF'S DEPARTMENT IS NO LONGER OFFERING THIS COURSE.
POLICE 066	PRELIMINARY INVESTIGATION	FA09	THE SHERIFF'S DEPARTMENT IS NO LONGER OFFERING THIS COURSE.
POLICE 077	TACTICAL TRAINING AND PATROL	FA09	THE SHERIFF'S DEPARTMENT IS NO LONGER OFFERING THIS COURSE.

DISTANCE EDUCATION			
COURSE ID	COURSE TITLE	EFF DATE	RATIONALE
CIT 020	WORD PROCESSING: MICROSOFT WORD	FA09	100% ONLINE
CIT 025	MICROSOFT OFFICE OUTLOOK	FA09	100% ONLINE
CIT 092	BASIC ROUTING SEMESTER TWO (CISCO NETWORKING ACADEMY)	FA09	100% ONLINE
CIT 093	FUNDEMENTALS OF LANS, LOCAL AREA NETWORKS, SEMESTER THREE (CISCO NETWORKING ACADEMY)	FA09	100% ONLINE
CIT 094	FUNDEMENTALS OF WANS, WIDE AREA NETWORKS, SEMESTER FOUR (CISCO NETWORKING ACADEMY)	FA09	100% ONLINE
CIT 100	INTRODUCTION TO PERSONAL COMPUTERS	FA09	100% ONLINE
CIT 105	INTRODUCTION TO WINDOWS	FA09	100% ONLINE
CIT 120	INTERNET	FA09	100% ONLINE
CIT 122	WEB PUBLISHING	FA09	100% ONLINE
HUMSV 179	LEGAL/ETHICAL ISSUES IN HUMAN SERVICES	FA09	100% ONLINE
PHIL 101	INTRODUCTION TO PHILOSOPY	FA09	100% ONLINE
PHIL 101H	INTRODUCTION TO PHILOSOPY - HONORS	FA09	100% ONLINE
PHIL 103	INTRODUCTION TO LOGIC: ARGUMENT AND EVIDENCE	FA09	100% ONLINE
PHIL 105	INTRODUCTION TO ETHICS	FA09	100% ONLINE
PHIL 112	PHILOSOPHY IN LITERATURE	FA09	100% ONLINE
PHIL 180	DEATH AND DYING	FA09	100% ONLINE
REALST 100	REAL ESTATE PRINCIPLES	FA09	100% ONLINE
REALST 200	REAL ESTATE PRACTICE	FA09	100% ONLINE
REALST 205	REAL ESTATE APPRAISAL: RESIDENTIAL	FA09	100% ONLINE
REALST 210	REAL ESTATE FINANCE	FA09	100% ONLINE
REALST 215	LEGAL ASPECTS OF REAL ESTATE	FA09	100% ONLINE
RELIG 100	INTRODUCTION TO RELIGIOUS STUDIES	FA09	100% ONLINE
RELIG 100H	INTRODUCTION TO RELIGIOUS STUDIES - HONORS	FA09	100% ONLINE
RELIG 101	INTRODUCTION TO WORLD RELIGIONS	FA09	100% ONLINE
RELIG 135	RELIGION IN AMERICA	FA09	100% ONLINE
RELIG 150	INTRODUCTION TO MYTHOLOGY	FA09	100% ONLINE
RELIG 176	JESUS AND HIS INTERPRETERS	FA09	100% ONLINE
RELIG 180	DEATH AND DYING	FA09	100% ONLINE

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SOC 110	CONTEMPORARY SOCIAL ISSUES	FA09	100% ONLINE
SPAN 101	COLLEGE SPANISH I	FA09	HYBRID Combining all the online and hybrid classes offered by SBVC, a student can fulfill one of the transfer packages. However, the exception is the foreign language requirement of the IGETC package. For the Foreign Language Department to offer Spanish 101 in an online format would complete the IGETC online transfer package. Students could take that path and fulfill ALL the requirements by taking SBVC online or hybrid classes.

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Biotechnology A.S. Degree Major

This degree has been designed to meet the increasing need for entry-level laboratory technicians in biotechnology. Technicians in this field must be proficient in the application of scientific methodology to solve problems. They must learn/implement laboratory procedures and use specialized laboratory equipment. Much of the technician's work involves repetitive routines that must be done precisely, quickly and safely. Upon completion of this degree students will be eligible for positions such as lab assistant, and laboratory support worker. In addition, competency in organizational, computational and communications skills is essential. Students must complete the following required courses plus the general breadth requirements for the Associate Degree for a total of **60** units.

NOTE: BIOL 270 has a prerequisite of a Biology course (BIOL 250 or BIOL 260 or BIOL 261 or BIOL 201) and CHEM 101. MATH 102 and 108 have a prerequisite of MATH 095 or eligibility for MATH 102 as determined through the SBVC assessment process.

Required Courses:		Units
BIOL 201	Cell and Molecular Biology	4
BIOL 270	Microbiology	5
BIOL 290	Biotechnology I	5
BIOL 291	Biotechnology II	5
CHEM 150	General Chemistry I	5
	or	
CHEM 150H	General Chemistry I - Honors	5
CHEM 151	General Chemistry II	5
	or	
CHEM 151H	General Chemistry II - Honors	5
CHEM 212	Organic Chemistry I	4
	or	
CHEM 212H	Organic Chemistry I - Honors	4
CHEM 213	Organic Chemistry II	4
	or	
CHEM 213H	Organic Chemistry II - Honors	4
CIT 101	Introduction to Computer Literacy	3
MATH 102	College Algebra	4
MATH 108	Introduction to Probability and Statistics	4
PHIL 105	Introduction to Ethics	3
Total Units		51

Effective Date: FA09

Rationale: There are no similar programs on our campus. Introduction to some biotechniques are offered in our Biology 201 course for biology majors; however, this exposure does not prepare students for a career in biotechnology.

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Biotechnology Certificate

The certificate has been designed to meet the increasing need for entry-level laboratory technicians in biotechnology. Technicians in this field must be proficient in the application of scientific methodology. They must implement laboratory procedures and use specialized laboratory equipment. Much of the technician's work involves repetitive routines that must be done precisely, quickly and safely. Upon completion of this certificate students will be eligible for positions such as lab assistant, and laboratory support worker. Competency in organizational, computational and communication skills is essential.

NOTE: BIOL 270 has a prerequisite of a Biology course (BIOL 250 or BIOL 260 or BIOL 261 or BIOL 201) and CHEM 101

Required Courses:		Units
BIOL 270	Microbiology	5
BIOL 290	Biotechnology I	5
BIOL 291	Biotechnology II	5
CHEM 104	Introduction to Organic and Biochemistry	4
CIT 101	Introduction to Computer Literacy	3
ENGL 101	Freshman Composition	4
or		
ENGL 101H	Freshman Composition-Honors	4
PHIL 105	Introduction to Ethics	3
<hr/> Total Units		29

Effective Date: FA09

Rationale: There are no similar programs on our campus. Introduction to some biotechniques are offered in our Biology 201 course for biology majors; however, this exposure does not prepare students for a career in biotechnology.

Advanced Automotive Collision Repair and Refinishing A.S. Degree Major

To graduate with a specialization in Advanced Automotive Collision Repair and Refinishing, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate of Science Degree (minimum total = 60 units).

REQUIRED COURSES:		Units
AUTO 038x3	Non-structural Analysis and Damage Repair	9
AUTO 039x3	Structural Analysis and Damage Repair	9
AUTO 048x3	Auto Collision Refinishing	9
AUTO 050	Automotive Brakes	4
or		
AUTO 52	Automotive Suspension and Steering	4
AUTO 084	General Automotive Technology	4
 RECOMMENDED COURSES:		 Units
AUTO 056	Automotive Heating and Air Conditioning	4
AUTO 064	Automotive Electrical: Battery, Starting & Charging Systems	5
or		
AUTO 065	Electrical Accessory Diagnostic	5
 Total Units		 35

Effective Date: FA09

Rationale: Modify Program Title to keep up with industry standards. Removing AUTO 055 and TECALC 950, which are in the process of being deleted.

Avionics Technology A.S. Degree Major

To graduate with a specialization in Avionics Technology, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units).

REQUIRED COURSES:		Units
TECALC 087	Technical Calculations	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
AERO 121 *	Aviation Fundamentals	3
AERO 140D *	Instrument Ground School and Flight Simulators	4
ELECTR 220C	FCC Rules and Regulations	3
ELECTR 250C	Radio Transmitters, Receivers and Antennas	4
ELECTR 257C	Navigation and Communication Systems	4
<hr/>		
Total Units		52

*AERO 102 & 103 can be substituted for AERO 121 & 140D

Effective Date: FA09

Rationale: To reflect the course numbers changed from B to C and C to D.

Basic Automotive Collision Repair and Refinishing A.S. Degree Major

To graduate with a specialization in Basic Automotive Collision Repair and Refinishing, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate of Science Degree (minimum total = 60 units).

REQUIRED COURSES:		Units
AUTO0 38x3	Non-structural Analysis and Damage Repair	9
AUTO0 39x3	Structural Analysis and Damage Repair	9
AUTO0 48x3	Auto Collision Refinishing	9

Total Units **27**

AUTO 038x3 may be waived through the Articulation 2+2+2 program with prior agreement with the auto collision and refinishing instructor.

Effective Date: FA09

Rationale: Modify Program Title to keep up with industry standards. Removing AUTO 055 and TECALC 950, which are in the process of being deleted.

Communication Engineering Technology A.S. Degree Major

To graduate with a specialization in Communication Engineering Technology, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units).

REQUIRED COURSES:		Units
TECALC 087	Technical Calculations	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
ELECTR 220C	FCC Rules and Regulations	3
ELECTR 250C	Radio Transmitters, Receivers and Antennas	4
ELECTR 255C	Telephone and Data Networking	4

Total Units **45**

Effective Date: FA09

Rationale: To reflect the course numbers change from B to C.

Curriculum Meetings: 09-22-08; 10-13-08; 10-27-08

Conjoint Meeting: 11-10-08

Board of Trustees Meeting: 12-11-08

Electric Power Technology A.S. Degree Major

To graduate with a specialization in Electric Power Technology, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units).

REQUIRED COURSES:		Units
TECALC 087	Technical Calculations	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
ELEC 216C	Introduction to Industrial Electricity	4
ELEC 217C	Industrial Electricity	4
ELEC 218C	Controlling Industrial Electricity	4
<hr/> Total Units		46

Effective Date: FA09

Rationale: To reflect the course numbers change from B to C.

Curriculum Meetings: 09-22-08; 10-13-08; 10-27-08

Conjoint Meeting: 11-10-08

Board of Trustees Meeting: 12-11-08

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Electronics Technology A.S. Degree Major

To graduate with a specialization in Electronics Technology, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units).

REQUIRED COURSES:		Units
TECALC 087	Technical Calculations	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology	4
ELECTR 270	Linear Integrated Circuit	4
<hr/>		
Total Units		34

Effective Date: FA09

Rationale: To enter program into Curricunet.

Curriculum Meetings: 09-22-08; 10-13-08; 10-27-08

Conjoint Meeting: 11-10-08

Board of Trustees Meeting: 12-11-08

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Advanced Automotive Collision Repair and Refinishing Certificate

This certificate is designed to prepare students for entry-level work as an auto collision repair and painter apprentice beyond the Basic Automotive Collision Repair and Refinishing Certificate and to prepare students for the Automotive Service Excellence (ASE) certification test. 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.

REQUIRED COURSES:		Units
AUTO 038x3	Non-structural Analysis and Damage Repair	9
AUTO 039x3	Structural Analysis and Damage Repair	9
AUTO 048x3	Auto Collision Refinishing	9
AUTO 050	Automotive Brakes	4
or		
AUTO 052	Automotive Suspension and Steering	4
AUTO 084	General Automotive Technology	4
RECOMMENDED COURSES:		Units
AUTO 056	Automotive Heating and Air Conditioning	4
AUTO 064	Automotive Electrical: Battery, Starting & Charging Systems	5
or		
AUTO 065	Electrical Accessory Diagnostic	5
Total Units		35

Effective Date: FA09

Rationale: Modify Program Title and Description to keep up with industry standards. Removing AUTO 055 and TECALC 950, which are in the process of being deleted.

Avionics Technology Certificate

This certificate is designed to provide students with the fundamentals of electronics technology as it applies to avionics. The curriculum prepares students for entry-level positions in aircraft electricity, maintenance, installation, field service, networking, and apprenticeship in the field of avionics technology. 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.

REQUIRED COURSES:		Units
TECALC 087	Technical Calculations	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
AERO 121 *	Aviation Fundamentals	3
AERO 140D *	Instrument Ground School and Flight Simulators	4
ELECTR 220C	FCC Rules and Regulations	3
ELECTR 250C	Radio Transmitters, Receivers and Antennas	4
ELECTR 257C	Navigation and Communication Systems	4
<hr/> Total Units		52

*AERO 102 & 103 can be substituted for AERO 121 & 140D

Effective Date: FA09

Rationale: To reflect the course numbers changed from B to C and C to D.

Basic Automotive Collision Repair and Refinishing Certificate

This certificate is designed to prepare students for entry-level work as an auto collision repair and painter apprentice, or in related areas of an automotive dealership or shop, such as chassis, front end, brake, or frame repair, and parts counter clerk. 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.

REQUIRED COURSES:		Units
AUTO 038x3	Non-structural Analysis and Damage Repair	9
AUTO 039x3	Structural Analysis and Damage Repair	9
AUTO 048x3	Auto Collision Refinishing	9
<hr/> Total Units		27

AUTO 038x3 may be waived through the Articulation 2+2+2 program with prior agreement with the auto collision and refinishing instructor.

Effective Date: FA09

Rationale: Modify Program Title to keep up with industry standards. Removing AUTO 055 and TECALC 950, which are in the process of being deleted.

Communication Engineering Technology Certificate

This certificate is designed to provide students with the fundamentals of electronics technology as it applies to communication engineering. The curriculum prepares students for entry-level positions in electronics communication maintenance, installation, field service, networking, and apprenticeship in the field of communication engineering technology. 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.

REQUIRED COURSES:		Units
TECALC 087	Technical Calculations	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
ELECTR 220C	FCC Rules and Regulations	3
ELECTR 250C	Radio Transmitters, Receivers and Antennas	4
ELECTR 255C	Telephone and Data Networking	4
<hr/> Total Units		45

Effective Date: FA09

Rationale: To reflect the course numbers change from B to C.

Electric Power Technology Certificate

This certificate is designed to provide students with the fundamentals of electronics technology as it applies to industrial electricity. The curriculum prepares students for entry-level positions in electrical maintenance, installation, field service, networking, and apprenticeship in the field of electric power technology. 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.

REQUIRED COURSES:		Units
TECALC 087	Technical Calculations	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
ELEC 216C	Introduction to Industrial Electricity	4
ELEC 217C	Industrial Electricity	4
ELEC 218C	Controlling Industrial Electricity	4
<hr/> Total Units		46

Effective Date: FA09

Rationale: To reflect the course numbers change from B to C.

Electronics Technology Certificate

This certificate is designed to provide students with the fundamentals of electronics technology. It also prepares students for entry-level positions in electronics maintenance, installation, field service, networking, and apprenticeship in the field of electronics technology. 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. Students should have normal color vision, hand/eye coordination and the ability to lift over 50 pounds.

REQUIRED COURSES:

		Units
TECALC 087	Technical Calculations	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology	4
ELECTR 270	Linear Integrated Circuit	4

Total Units **34**

Effective Date: FA09

Rationale: To enter program into Curricunet.

Curriculum Meetings: 09-22-08; 10-13-08; 10-27-08

Conjoint Meeting: 11-10-08

Board of Trustees Meeting: 12-11-08

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Pharmacy Technology Certificate

This certificate is designed to prepare students for entry level employment as a pharmacy technician, providing medications and other healthcare products to patients. Under the supervision of a Pharmacist, students learn to fill prescriptions, establish and maintain patient profiles, prepare insurance claim forms, take inventory, and stock medications. A background check may be required for clinical experience. The California Board of Pharmacy may deny the Pharmacy Technician license based on convictions substantially related to Pharmacy Technician practice. 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.

REQUIRED COURSES:

Complete the following courses with a grade of C or higher:

		Units
PHT 020	Introduction to Pharmacy Technology	2
PHT 030	Pharmacology	3
PHT 031	Pharmacy Calculations	3
PHT 041	Pharmacy Systems	3
PHT 042	Pharmacy Intern Seminar	1
PHT 043	Pharmacy Clinical Experience	4
MATH 952 ^{or higher}	Prealgebra	4
ENGL 015	Preparation for College Writing	4
	or	
ENGL 101	Freshman Composition	4

Total Units

24

Effective Date: FA09

Rationale: Content Review; to revise, condense, and clarify. Added "background check" requirement.

Curriculum Meetings: 09-22-08; 10-13-08; 10-27-08

Conjoint Meeting: 11-10-08

Board of Trustees Meeting: 12-11-08

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