

SAN BERNARDINO COMMUNITY COLLEGE DISTRICT

TO: Board of Trustees
FROM: Bruce Baron, Chancellor
REVIEWED BY: Dr. Glen Kuck, Interim President, SBVC
PREPARED BY: Dr. Haragewen Kinde, Interim Vice President, Instruction SBVC
DATE: January 17, 2013
SUBJECT: Consideration of Approval of Curriculum - SBVC

RECOMMENDATION

It is recommended that the Board of Trustees approve the SBVC curriculum modifications.

OVERVIEW

The courses, certificates and degrees at SBVC are continually being revised and updated to reflect and meet student needs.

ANALYSIS

These courses, certificates and degrees have been approved by the Curriculum Committee of the Academic Senate and will be included in the 2013-2014 College Catalog.

BOARD IMPERATIVE

II. Learning Centered Institution for Student Access, Retention and Success

FINANCIAL IMPLICATIONS

None

SAN BERNARDINO VALLEY COLLEGE
SUBMITTED FOR BOARD OF TRUSTEE APPROVAL
January 17, 2013

NEW COURSE

Course ID: AUTO 028

Course Title: Damage Analysis and Estimating

Units: 3

Lecture: 2.5 contact hour(s) per week
40 - 45 contact hours per semester

Laboratory: 1.5 contact hour(s) per week
24 - 27 contact hours per semester

Prerequisites: AUTO 020 and AUTO 022

Catalog Description: This course focuses on the process of measuring and evaluating structural collision damage, collision estimating, customer service, parts ordering, tracking, and documentation. It introduces students to modern vehicle designs, unibody, body over frame (BOF) construction, computerized measuring, and frame straightening. Emphasis is on damage diagnosis and the effects of indirect damage, the generation of organized, competitive, and efficient damage reports.

Schedule Description: This course focuses on the process of measuring and evaluating structural collision damaged vehicles and introduces a repair estimate.

Rationale: The Auto Collision and Refinishing Advisory Committee recommended that this course be created.

Effective: FA13

Course ID: AUTO 029

Course Title: Estimating

Units: 3

Lecture: 2.5 contact hour(s) per week
40 - 45 contact hours per semester

Laboratory: 1.5 contact hour(s) per week
24 - 27 contact hours per semester

Prerequisite: AUTO 028

Catalog Description: This course focuses on the process of evaluating collision damages to a vehicles and generating a repair estimate. It includes customer service, parts ordering, tracking, and documentation. Students are introduced to modern vehicle designs, unibody, construction including body over frame (BOF), computerized measuring and frame straightening.

Schedule Description: This course focuses on the process of evaluating collision damaged vehicles and generating a repair estimate. Students are introduced to vehicle design construction, computerized measuring and frame straightening.

Rationale: The Auto Collision and Refinishing Advisory Committee recommended that this course be created.

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

NEW COURSE

Course ID: CULART 011

Course Title: Culinary Arts Internship II

Units: 5.5

Laboratory: 16.5 contact hour(s) per week
264 - 297 contact hours per semester

Prerequisite: CULART 010

Catalog Description: This course provides a supervised internship in the student run restaurant. The concentration will be building on the basic preparation techniques, recipe standardization, time management and preparing meals for customers. The skills learned in this course will build on skills learned in Internship I.

Schedule Description: This course provides a supervised internship in the student run restaurant. The student will continue to gain skills in the kitchen in the following areas: basic preparation techniques, recipe standardization, time management and customer service skills.

EQUATE: NO

Rationale: Leveling CULART 010x4

Effective: FA13

Course ID: CULART 012

Course Title: Culinary Arts Internship III

Units: 5.5

Laboratory: 16.5 contact hour(s) per week
264 - 297 contact hours per semester

Prerequisite: CULART 011

Catalog Description: This course provides a supervised internship in the culinary arts operational restaurant. The concentration will be on building management skills needed to manage or run a kitchen or the front of the house within a restaurant.

Schedule Description: This course provides a supervised internship in the culinary arts operational restaurant. The concentration will be on building management skills needed to manage or run a kitchen or the front of the house within a restaurant.

EQUATE: NO

Rationale: Leveling CULART 010x4

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

NEW COURSE

Course ID: CULART 041

Course Title: Advanced Baking

Units: 6

Lecture: 2 contact hour(s) per week
32 - 36 contact hours per semester

Laboratory: 12 contact hour(s) per week
192 - 216 contact hours per semester

Prerequisite: CULART 040

Catalog Description: This course highlights baking techniques found in commercial kitchens with a focus on cakes and decorating, artisan breads, and complex pastry.

Schedule Description: This course highlights baking techniques found in commercial kitchens with a focus on cakes and decorating, artisan breads, and complex pastry.

Rationale: There is a direct need for this course in the industry. Many students graduate from programs in junior colleges without the understanding or skill to make and frost a cake or bake artisan breads. The time constraint that is placed on the classes prohibits these items from being taught. Industry is in need of skilled bakers. The students will be learning breads, cakes, and complex desserts from multiple cultures. These items will then be sold in the Den (the campus coffee shop) for the entire campus to enjoy.

Effective: FA13

Course ID: GIS 222

Course Title: Independent Study in Geographic Information Systems

Units: 1 - 3

Directed Study: 3 - 9 hour(s) per week
Min: 48 - 54 hours per semester
Max: 144 - 162 hours per semester

Prerequisite: GIS 130 or GIS 131

Catalog Description: Students with previous course work in GIS may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of GIS. Prior to registration, a written contract must be prepared jointly by the instructor and the student.

Schedule Description: Students with previous course work in GIS may do assigned projects involving research and analysis of selected topics. Prior to registration, a written contract must be prepared. See instructor for details.

Rationale: This course will allow students to work on GIS projects and further their understanding of GIS.

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

3 of 48

NEW COURSE

Course ID: HIST145

Course Title: History of California

Units: 3

Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

Catalog Description: This course surveys the rich heritage of California from its earliest inhabitants and Spanish/Mexican settlements to the present. An emphasis will be placed on the impact of the ethnic and cultural diversity of California along with the importance of geography and immigration. Other topics will include political, economic, and social development of the region from the early 19th century to the present.

Schedule Description: This course surveys the rich heritage of California from its earliest inhabitants and Spanish/Mexican settlements to the present. An emphasis will be placed on the impact of the ethnic and cultural diversity of California along with the importance of geography and immigration. Other topics will include political, economic, and social development of the region from the early 19th century to the present.

EQUATE: YES

Rationale: CSUSB offers HIST 270 California History as a lower-division course. HIST 270 is required for all Liberal Studies majors. Liberal Studies is one of the top five majors at CSU. HIST 145 was previously deleted Fall 2007; however, since CSUSB has since offered California History lower-division, it is in the best interest of SBVC students to reinstate HIST 145.

Effective: FA13

Course ID: POLIT140

Course Title: Introduction to Comparative Politics

Units: 3

Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

Catalog Description: This introductory course compares different political systems to evaluate their similarities and dissimilarities with respect to their corresponding political institutions and processes. Themes covered include presidential versus parliamentary democratic governance; authoritarian versus democratic regimes; patterns of state involvement in the political economy; society and citizen participation through interests groups, political parties and elections.

Schedule Description: This introductory course compares different political systems to evaluate their similarities and dissimilarities with respect to their corresponding political institutions and processes. Themes covered include presidential versus parliamentary democratic governance; authoritarian versus democratic regimes; patterns of state involvement in the political economy; society and citizen participation through interests groups, political parties and elections.

Rationale: Comparative politics is one of the four fundamental subfields that are offered in American colleges and universities. Students majoring in political science are usually required to have at least a course in each of the four subfields. The Department of Political Science wants to make all four subfields available to our students. This course will also increase the number of courses that are transferrable from our department and college to other colleges and universities.

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

NEW COURSE

Course ID: READ 915

Course Title: Reading Fundamentals for English as a Second Language Learners

Units: 4

Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester

Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: None

Catalog Description: This course explores reading fundamentals which provides an individualized beginning reading program for ESL learners, including reading readiness, phonics, pronunciation, word perception, dictionary use, syllabication, context clues, spelling, verbal and written expressions, and beginning comprehension skills.

Schedule Description: This course explores reading fundamentals which provides an individualized beginning reading program for ESL learners, including reading readiness, phonics, pronunciation, word perception, dictionary use, syllabication, context clues, spelling, verbal and written expressions, and beginning comprehension skills.

Rationale: This course addresses the reading needs of low-skill-level English as second language learners. ESL students differ culturally and linguistically from native-born speakers of English and the approach to teaching reading skills needs to consider their unique language-learning needs.

Effective: FA13

Course ID: SPAN 101H

Course Title: College Spanish I - Honors

Units: 5

Lecture: 5 contact hour(s) per week
80 - 90 contact hours per semester

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 and ENGL 101H as determined through the SBVC assessment process

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. **This course is intended for students in the Honors Program, but it is open to all students who desire more challenging course work.**

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. **This course is intended for students in the Honors Program, but it is open to all students who desire more challenging course work.**

Rationale: This course includes the academically enriched activities of an honors course for SPAN 101.

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

5 of 48

NEW COURSE

Course ID: SPAN 102H

Course Title: College Spanish II - **Honors**

Units: 5

Lecture: 5 contact hour(s) per week
80 - 90 contact hours per semester

Prerequisite: SPAN 101 or SPAN 101H

Catalog Description: In this course students continue to develop conversational, reading and writing skills in Spanish with emphasis on past tense verbs, grammar, vocabulary expansion and the culture of Spanish speaking countries. **This course is intended for students in the Honors Program but is open to all students who desire more challenging course work.**

Schedule Description: In this course students continue to develop conversational, reading and writing skills in Spanish with emphasis on past tense verbs, grammar, vocabulary expansion and the culture of Spanish speaking countries. **This course is intended for students in the Honors Program but is open to all students who desire more challenging course work.**

Rationale: This course includes the academically enriched activities of an honors course for SPAN 101.

Effective: FA13

Course ID: WELD 010

Course Title: Introduction to Welding

Units: 2

Lecture: 1 contact hour(s) per week
16 - 18 contact hours per semester

Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: None

Catalog Description: This is an introductory course for students in any field that utilizes welding processes. The course provides exploration of various techniques by demonstration and through hands on practice. Emphasis will be on Oxy-Acetylene welding and cutting processes and on welding using Gas Metal Arc Welding (also known as MIG or wire) in flat and horizontal positions.

Schedule Description: This is an introductory course for students in any field that utilizes welding processes. The course provides exploration of various techniques by demonstration and through hands on practice. Emphasis will be on Oxy-Acetylene welding and cutting processes and on welding using Gas Metal Arc Welding (also known as MIG or wire) in flat and horizontal positions.

Rationale: This course will provide a clear entry point for anyone who wants to learn to weld safely. The introductory course will expose students to various welding processes, equipments, methods and safety procedures. Welding for fabrication and metal repair are useful and marketable skills that anyone can acquire and practice safely. Among the many tradespeople that use basic welding are plumbers, landscapers, theater prop designers, handymen, metal sculpturers, HVAC technicians and auto body repairers. Upon completion of this course, the students may progress to higher level courses to become professional welders or continue to use basic welding in their chosen trade or hobby.

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
ADJUS 108	JUVENILE PROCEDURES

Catalog Description: This course is an examination of the origin, development, and organization of the Juvenile Justice System as it evolved in the American Justice System. The course explores the theories that focuses on juvenile law, courts and processes, and the constitutional protections extended to juveniles administered by the American Justice System.

Schedule Description: This course explores the theories that focuses on juvenile law, courts and processes, and the constitutional protections extended to juveniles administered by the American Justice System.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
CHEM 101	INTRODUCTORY CHEMISTRY

Prerequisites: ENGL 914 or eligibility for ENGL 015 or higher as determined by the SBVC assessment process and MATH 090 or eligibility for MATH 095 or higher as determined by the SBVC assessment process

Schedule Description: This course provides a foundation for the concepts of chemistry and includes the study of physical and chemical properties of substances, measurements, atomic structure, the periodic table, chemical equations, states of matter, and basic organic and biochemistry.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
CS 110	FUNDAMENTALS OF COMPUTER SCIENCE

Prerequisites: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process and MATH 102

Corequisite: MATH 102

Catalog Description: This course is an overview of the computer science discipline investigating the design and use of the computer devices, the art and science of problem solving and programming, the representation of data, human-computer interactions and ethical considerations, and information security principles. Also included is hands-on experience with command line and GUI operating systems; application of HTML, CSS, and scripts to web pages; and computer programming with an object-oriented language such as C++, Java, or C#.

Schedule Description: This course is an overview of the computer science discipline investigating the design and use of the computer devices, the art and science of problem solving and programming, the representation of data, human-computer interactions and ethical considerations, and information security principles. Also included is hands-on experience with command line and GUI operating systems; application of HTML, CSS, and scripts to web pages; and computer programming with an object-oriented language such as C++, Java, or C#.

Rationale: Content review

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
CS 130	APPLIED COMPUTER LOGIC

Course Title: Discrete Structures

Prerequisites: CS 110 and MATH 102

Catalog Description: This course surveys discrete structures used in computer science with an emphasis on applications. Topics covered include: functions, relations, and sets; basic logic; proof techniques; basics of counting; graphs and trees; and discrete probability.

Schedule Description: This course surveys discrete structures used in computer science with an emphasis on applications. Topics covered include: functions, relations, and sets; basic logic; proof techniques; basics of counting; graphs and trees; and discrete probability.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
CS 170	ASSEMBLY LANGUAGE

Catalog Description: This course focuses on the organization and behavior of computer systems at the assembly-language level. The mapping of high-level language statements and constructs to machine-level instructions and internal representation of common data types and simple structures is studied including the methods of numerical computation with assembly language constructs emphasizing common pitfalls associated with data representation and procedural errors encountered during the creation of machine language routines. This course includes hands on experience creating assembly language programs.

Schedule Description: This course focuses on the organization and behavior of computer systems at the assembly-language level and includes hands on experience creating assembly language programs.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
CS 190	PROGRAMMING IN C++

Prerequisites: CS 110 and CS 130 and ENGL 101 or ENGL 101H or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

Corequisite: CS 130

Catalog Description: This course is an examination of intermediate object-oriented programming concepts and their application using the C++ language. Topics include event-driven programming; human-computer interactions; analysis of iterative and recursive solution complexity for searching/sorting algorithms; intermediate data structures; and programming constructs; object-oriented design and modeling; integration of database access into programming solutions; impact of computer science on selected societal issues; and software assurance.

Schedule Description: This course is an examination of intermediate object-oriented programming concepts and their application using the C++ language. Topics include event-driven programming; human-computer interactions; analysis of iterative and recursive solution complexity for searching/sorting algorithms; intermediate data structures; and programming constructs; object-oriented design and modeling; integration of database access into programming solutions; impact of computer science on selected societal issues; and software assurance.

Rationale: Content review

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
CS 265	DATA STRUCTURES

Course Title: Data Structures and Algorithms with C++

Prerequisites: CS 130 and CS 190 and MATH 250

Corequisite: MATH 250

Catalog Description: This course is an introduction to algorithmic analysis and data structures. Topics include formal computing algorithms, algorithmic strategies, and basic algorithm analysis; canonical data structures; intermediate recursion; human-computer interaction; professionalism and ethical behavior; software information assurance, software engineering, and software reuse.

Schedule Description: This course is an introduction to algorithmic analysis and data structures. Topics include formal computing algorithms, algorithmic strategies, and basic algorithm analysis; canonical data structures; intermediate recursion; human-computer interaction; professionalism and ethical behavior; software information assurance, software engineering, and software reuse.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
CULART 010x4	CULINARY ARTS INTERNSHIP

Course ID: CULART 010

Course Title: Culinary Arts Internship I

Units: 5.5

Laboratory: 16.5 contact hour(s) per week
264 - 297 contact hours per semester

Prerequisites: CULART 160 and CULART 225

Catalog Description: This course provides a supervised internship in the Culinary Arts Program's operational restaurant. The concentration will be on building basic preparation techniques, recipe standardization, time management and preparing meals for customers. (Formerly CULART 010x4)

Schedule Description: This course provides a supervised internship in the Culinary Arts Program's operational restaurant. The concentration will be on building basic preparation techniques, recipe standardization, time management and preparing meals for customers. (Formerly CULART 010x4)

EQUATE: YES

Remove Repeatability

Rationale: Leveling CULART 010x4

Effective: FA13

COURSE ID	COURSE TITLE
CULART 020	CATERING AND BANQUETS I

Prerequisite: CULART 160

Rationale: Content review

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
CULART 030x2	CATERING AND BANQUETS II

Course ID: CULART 030

Units: 6

Laboratory: 18 contact hour(s) per week
288 - 324 contact hours per semester

Catalog Description: This course is an intermediate course in catering and banquets. Topics include the management aspect of catering and banquet services, such as ordering, receiving, purchasing, staffing events, customer service, food presentation and catering set-ups for 100 to 500 people. (Formerly CULART 030x2)

Schedule Description: This course is an intermediate course in catering and banquets. Topics include the management aspect of catering and banquet services, such as ordering, receiving, purchasing, staffing events, customer service, food presentation and catering set-ups for 100 to 500 people. (Formerly CULART 030x2)

EQUATE: YES

Remove Repeatability

Rationale: Leveling CULART 030x2

Effective: FA13

COURSE ID	COURSE TITLE
CULART 040	INTRODUCTION TO BAKING

Units: 3

Lecture: 1 contact hour(s) per week
16 - 18 contact hours per semester

Laboratory: 6 contact hour(s) per week
96 - 108 contact hours per semester

Prerequisite: CULART 160

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
CULART 101	INTRODUCTION TO CULINARY ARTS

Prerequisite: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

Catalog Description: This course is an overview of the food service and hospitality industries with an emphasis on career opportunities, customer service, and personal success strategies. Topics include brief history, description and interrelationships of key industry segments emphasizing the application of technology, ethics, leadership, teams, critical thinking, and service standards for the restaurant and hotel-related business.

Schedule Description: This course is an overview of the food service and hospitality industries with an emphasis on career opportunities, customer service, and personal success strategies. Topics include brief history and description of key industry segments emphasizing technology, ethics, leadership, teams, and service standards.

Rationale: Content review

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
CULART 160	INTRODUCTION TO FOODS

Prerequisites: CULART 225 and MATH 942 or eligibility for MATH 952 as determined by the SBVC assessment process

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
CULART 161	QUANTITY FOOD PREPARATION

Prerequisites: CULART 160 and CULART 240

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
CULART 201	CULINARY AND HOSPITALITY MANAGEMENT

Prerequisite: CULART 101

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
CULART 225	SANITATION AND SAFETY

Departmental Advisory: None

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
CULART 235	MENU PLANNING PRINCIPLES

Prerequisites: CULART 101 and MATH 942 or eligibility for MATH 952 as determined by the SBVC assessment process

Catalog Description: This course presents the menu as the central influence on all food service functions. It focuses on the development of menus with an emphasis on the practical details of costing, planning, analyzing, purchasing and production, promotion and service.

Schedule Description: This course presents the menu as the central influence on all food service functions. It focuses on the development of menus with an emphasis on the practical details of costing, planning, analyzing, purchasing and production, promotion and service.

Rationale: Content review

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
CULART 240	PROCUREMENT, PURCHASING AND SELECTION

Prerequisites: CULART 235 and MATH 942 or eligibility for MATH 952 as determined by the SBVC assessment process

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
CULART 250	FOOD, WINE AND BEVERAGE SERVICE CONCEPTS

Prerequisite: CULART 235

Catalog Description: This course covers the psychology of service, dining room organization, serving styles, wine and beverage service, staffing and management; a thorough study of major wines, grape varieties and world-wide appellations where they are grown.

Schedule Description: This course covers the psychology of service, dining room organization, serving styles, wine and beverage service, staffing and management; a thorough study of major wines, grape varieties and world-wide appellations where they are grown.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
CULART 275	FOOD, BEVERAGE AND LABOR COST CONTROL

Prerequisite: CULART 240

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
DIESEL 019	TRUCK AND BUS HEAVY-DUTY ELECTRICAL SYSTEMS

Course Title: Heavy-Duty Truck Electrical Systems

Catalog Description: This course covers basic principles of truck heavy-duty electricity and electronics systems. Detailed topics include batteries, charging, starting systems, and the use of a digital multi-meter for analysis and diagnosis of series, parallel, and series-parallel circuits.

Schedule Description: This course covers basic principles of truck heavy-duty electricity and electronics systems. Detailed topics include batteries, charging, starting systems, and the use of a digital multi-meter for analysis and diagnosis of series, parallel, and series-parallel circuits.

Rationale: Content review

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
DIESEL 021	DIESEL ENGINES – LIGHT DUTY

Course Title: Heavy-Duty Diesel Engines

Catalog Description: This course covers theory and practical shop work in the repair, operation, and maintenance of heavy-duty industrial diesel engines and fuel injection systems including general troubleshooting and diagnostic testing. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test.

Schedule Description: This course covers theory and practical shop work in the repair, operation, and maintenance of heavy-duty industrial diesel engines and fuel injection systems.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
DIESEL 022	HEAVY-DUTY TRUCK BRAKES

Units: 4

Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester

Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Catalog Description: This course covers theory and practical shop work in the construction, operation, and repair of heavy-duty truck brake systems and components including principles of hydraulic and pneumatic brake systems, anti-lock, and computer controlled braking systems used in today's modern heavy-duty diesel trucks and busses.

Schedule Description: This course covers theory and practical shop work in the construction, operation, and repair of heavy-duty truck brake systems and components including principles of hydraulic and pneumatic brake systems, anti-lock, and computer controlled braking systems used in today's modern heavy-duty diesel trucks and busses.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
DIESEL 023	HEAVY-DUTY TRUCK SUSPENSION AND STEERING

Units: 4

Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester

Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Catalog Description: This course covers theory and practical shop work in the construction, operation, and repair of heavy-duty truck suspension and steering components including principles of hydraulic and pneumatic steering and suspension systems.

Schedule Description: This course covers theory and practical shop work in the construction, operation, and repair of heavy-duty truck suspension and steering components including principles of hydraulic and pneumatic steering and suspension systems.

Rationale: Content review

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
DIESEL 024x3	ADVANCED HEAVY-DUTY DIESEL ENGINES

Course ID: DIESEL 024

Catalog Description: This course is an advanced engine rebuilds class that covers theory and practical shop work in the repair, operation, and maintenance of various heavy-duty diesel engines. Topics include general troubleshooting and diagnostic testing of engine components and systems found in most engines from a variety of engine manufacturers. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test. (Formerly DIESEL 024x3)

Schedule Description: This course is an advanced engine rebuilds class that covers theory and practical shop work in the repair, operation, and maintenance of various heavy-duty diesel engines. (Formerly DIESEL 024x3)

EQUATE: YES

Remove Repeatability

Rationale: Leveling DIESEL 024x3

Effective: FA13

COURSE ID	COURSE TITLE
DIESEL 026x3	COMPUTER CONTROLLED DIESEL ENGINES

Course ID: DIESEL 026

Catalog Description: This course covers theory and practical shop work in the repair, operation, and maintenance of computer controlled diesel engines. Topics include general troubleshooting and diagnostics using assorted electronic and computerized test equipment on operable computer controlled diesel engines. (Formerly DIESEL 026x3)

Schedule Description: This course covers theory and practical shop work in the repair, operation, and maintenance of computer controlled diesel engines. (Formerly DIESEL 026x3)

EQUATE: YES

Remove Repeatability

Rationale: Leveling DIESEL 026x3

Effective: FA13

COURSE ID	COURSE TITLE
DIESEL 028	HEAVY-DUTY TRUCK PREVENTIVE MAINTENANCE

Course Title: Heavy-Duty Truck Systems

Prerequisite: DIESEL 019

Catalog Description: This course covers theory and practical shop work in maintenance, air conditioning, Antilock Brake System (ABS), computers, and operations of the heavy-duty truck and bus systems. Course is designed to provide students the needed skills and knowledge to perform advanced level labor tasks in the heavy-duty truck and bus service industry.

Schedule Description: This course covers theory and practical shop work in maintenance, air conditioning, Antilock Brake System (ABS), computers, and operations of the heavy-duty truck and bus systems.

Rationale: Content review

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
DIESEL 035	HEAVY-DUTY VEHICLE AUTOMATIC TRANSMISSIONS

Catalog Description: This course provides theory and hands-on experience with heavy- and medium-duty automatic transmission operation, construction, service and overhaul procedures.

Schedule Description: This course provides theory and hands-on experience with heavy- and medium-duty transmission operation, construction, service and overhaul procedures.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
DIESEL 038	HEAVY-DUTY DIESEL EMISSIONS

Units: 1

Lecture: 0.75 contact hour(s) per week
12 - 13.5 contact hours per semester

Laboratory: 0.75 contact hour(s) per week
12 - 13.5 contact hours per semester

Prerequisite: DIESEL 026

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
FN 064	NUTRITION MANAGEMENT

Departmental Advisories: ENGL 914 and MATH 942

Catalog Description: The focus of this course is on the food service and nutrition management in a health care facility. It includes the development of policies, protocols and procedures for organizing, staffing and training, as well as the promotion of sound financial planning and a cost control system.

Schedule Description: The focus of this course is on the food service and nutrition management in a health care facility. It includes the development of policies, protocols and procedures for organizing, staffing and training, as well as the promotion of sound financial planning and a cost control system.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
FN 162	NUTRITION

Departmental Advisories: MATH 942 and ENGL 914

Rationale: Content review

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
GEOL 101	INTRODUCTION TO PHYSICAL GEOLOGY

Prerequisites: ENGL 914 or eligibility for ENGL 015 as determined through the SBVC assessment process and MATH 942 or eligibility for MATH 952 as determined by the SBVC assessment process

Departmental Advisory: GEOL 111

Catalog Description: This course is an introduction to the study of the Earth, with emphasis on the materials that make up the Earth. It emphasizes Plate Tectonics, the processes that created the continents and the ocean basins, and the processes that change the landscape.

Schedule Description: This course is an introduction to the study of the Earth, with emphasis on the materials that make up the Earth. It emphasizes Plate Tectonics, the processes that created the continents and the ocean basins, and the processes that change the landscape.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
GEOL 111	PHYSICAL GEOLOGY LABORATORY

Course Title: Introduction to Physical Geology Laboratory

Department Advisory: None

Catalog Description: This course is a hands-on introduction to the study of the Earth, with an emphasis on the materials that make up the Earth. Students will participate in one or more field trips. This course is recommended for students concurrently enrolled in GEOL 101 or who have successfully completed GEOL 101 within the last two years.

Schedule Description: This course is a hands-on introduction to the study of the Earth, with an emphasis on the materials that make up the Earth. Students will participate in one or more field trips. This course is recommended for students concurrently enrolled in GEOL 101 or who have successfully completed GEOL 101 within the last two years.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
GEOL 112	HISTORICAL GEOLOGY

Prerequisites: GEOL 101 and GEOL 111

Catalog Description: This course reviews the geologic history of the Earth. Specific topics include the planet's origin and chronological processes that produce major continental and oceanic features, plate tectonics, stratigraphy, interpretation of Earth history from rock and fossil records, and the evolutionary development of plant and animal life. Students should anticipate participating in one or more field trips.

Schedule Description: This course reviews the geologic history of the Earth. Specific topics include the planet's origin and chronological processes that produce major continental and oceanic features, plate tectonics, stratigraphy, interpretation of Earth history from rock and fossil records, and the evolutionary development of plant and animal life. Students should anticipate participating in one or more field trips.

Rationale: Content review

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
GEOL 122	ENVIRONMENTAL GEOLOGY

Prerequisites: GEOL 101 and GEOG 110

Catalog Description: This course introduces the relationships among geologic processes, natural resources, and the needs of society. Topics include natural hazards such as earthquakes, landslides, and mudflows; mineral and energy resources; and the particular problems associated with urbanization, resource use, and pollution. Students should anticipate participating in one or more field trips.

Schedule Description: This course introduces the relationships among geologic processes, natural resources, and the needs of society. Topics include natural hazards such as earthquakes, landslides, and mudflows; mineral and energy resources; and the particular problems associated with urbanization, resource use, and pollution. Students should anticipate participating in one or more field trips.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
GEOL 170x4	GEOLOGIC HISTORY OF THE GREAT BASIN

Course ID: GEOL 170

Course Title: Geological History of the Great Basin Province

Laboratory: 1.5 contact hour(s) per week
24 - 27 contact hours per semester

Prerequisites: GEOL 101 or GEOG 110

Departmental Advisory: GEOL 112

Catalog Description: Students will discuss and observe the physical and historical geology of the Great Basin Province of the United States, with special emphasis on the geology of Death Valley National Park. Coursework will involve a series of lectures leading to a three to four day field trip through the Great Basin in and around Death Valley. Students must attend the field trip for the successful completion of the course. The field trips will emphasize the geological features and anthropological history of the Great Basin Province. (Formerly GEOL 170x4)

Schedule Description: Students will discuss and observe the physical and historical geology of the Great Basin Province of the United States, with special emphasis on the geology of Death Valley National Park. Coursework will involve a series of lectures leading to a three to four day field trip through the Great Basin in and around Death Valley. Students must attend the field trip for the successful completion of the course. The field trips will emphasize the geological features and anthropological history of the Great Basin Province. (Formerly GEOL 170x4)

EQUATE: YES

Remove Repeatability

Rationale: Leveling GEOL 170x4

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
GEOL 201	MINERALOGY

Prerequisites: GEOL 101 and GEOL 111 and CHEM 101 or CHEM 150 or CHEM 150H

Catalog Description: This course emphasizes the classification and origin of minerals through chemical and physical tests, as well as spectroscopic, optical, and x-ray diffraction analyses. There is an ancillary study of crystal structures with models, natural crystals, and stereographic projections. Students should anticipate participating in one or more field trips.

Schedule Description: This course emphasizes the classification and origin of minerals through chemical and physical tests, as well as spectroscopic, optical, and x-ray diffraction analyses. There is an ancillary study of crystal structures with models, natural crystals, and stereographic projections. Students should anticipate participating in one or more field trips.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
GEOL 222	INDEPENDENT STUDY IN GEOLOGY

Prerequisite: GEOL 101

Catalog Description: Students with previous course work in Geology may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of Geology. Prior to registration, a written contract must be prepared jointly by the instructor and the student.

Schedule Description: Students with previous course work in Geology may do assigned projects involving research and analysis of selected topics. Prior to registration, a written contract must be prepared. See instructor for details.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
GEOL 250	GEOLOGY OF CALIFORNIA

Prerequisites: GEOL 101 or GEOG 110

Catalog Description: This course introduces students to the physical and historical geology of California, emphasizing the distinctive geologic features of each of California's twelve geomorphic provinces. Students should anticipate participating in one or more field trips.

Schedule Description: This course introduces students to the physical and historical geology of California, emphasizing the distinctive geologic features of each of California's twelve geomorphic provinces. Students should anticipate participating in one or more field trips.

Rationale: Content review

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
GEOL 251	GEOLOGY OF THE NATIONAL PARKS AND MONUMENTS

Prerequisites: GEOL 101 or GEOG 110

Departmental Advisories: GEOL 111 or GEOG 111 and CIT 118

Catalog Description: This course comprises a study of the geology of selected national parks, monuments, seashores, recreational areas, and other public sites of geologic interest within the United States and its territories. There is an emphasis on the geologic processes that formed these notable sites. Students should anticipate participating in one or more field trips.

Schedule Description: This course comprises a study of the geology of selected national parks, monuments, seashores, recreational areas, and other public sites of geologic interest within the United States and its territories. There is an emphasis on the geologic processes that formed these notable sites. Students should anticipate participating in one or more field trips.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
GEOL 260	INTRODUCTION TO FIELD GEOLOGY

Units: 3

Lecture: 2 contact hour(s) per week
32 - 36 contact hours per semester

Prerequisites: GEOL 101 or GEOL 112 or GEOL 201

Departmental Advisory: GIS 130

Catalog Description: This course emphasizes demonstration, discussion, and practice of field investigations of geologic environments. Activities include describing, mapping, and identifying geologic phenomena using the Brunton compass, GPS units, and topographic maps. As this is a hands-on course, students will spend time in the field.

Schedule Description: This course emphasizes demonstration, discussion, and practice of field investigations of geologic environments. Activities include describing, mapping, and identifying geologic phenomena using the Brunton compass, GPS units, and topographic maps. As this is a hands-on course, students will spend time in the field.

Rationale: Content review

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
GEOL 270x2	GEOLOGY OF THE EASTERN SIERRA NEVADA

Course ID: GEOL 270

Laboratory: 1.5 contact hour(s) per week
24 - 27 contact hours per semester

Prerequisites: GEOL 101 or GEOG 110

Departmental Advisory: GEOL 112

Catalog Description: This course provides a lecture discussion and field observation of the physical and historical geology of the Eastern Sierra Nevada Province. It includes a three to four day field trip along the boundary between the Sierra Nevada and Basin and Range Provinces. A three to four day field trip demonstrates volcanic, glacial, and other geologic or economic processes. This field trip is required for the successful completion of the course. (Formerly GEOL 270x2)

Schedule Description: This course provides a lecture discussion and field observation of the physical and historical geology of the Eastern Sierra Nevada Province. It includes a three to four day field trip along the boundary between the Sierra Nevada and Basin and Range Provinces. A three to four day field trip demonstrates volcanic, glacial, and other geologic or economic processes. This field trip is required for the successful completion of the course. (Formerly GEOL 270x2)

EQUATE: YES

Remove Repeatability

Rationale: Leveling GEOL 270x2

Effective: FA13

COURSE ID	COURSE TITLE
GIS 098	GIS WORK EXPERIENCE

Work Experience: 5 - 20 contact hour(s) per week

Prerequisite: GIS 135

Corequisite: GIS 135

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
HIST 150	INTRODUCTION TO LATIN AMERICAN HISTORY

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

Catalog Description: This course studies the historical heritage of Latin America from its Indian, European and African origins to present. Course material is presented in chronological order with themes ranging from social, political, and cultural developments, to poverty, international conflicts, and race relations.

Schedule Description: This course studies the historical heritage of Latin America from its Indian, European and African origins to present. Course material is presented in chronological order with themes ranging from social, political, and cultural developments, to poverty, international conflicts, and race relations.

Rationale: Content review

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
HUMSV 140	CASE MANAGEMENT IN PUBLIC SERVICE

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

Catalog Description: This course provides an overview of the history, theories, skills and knowledge of case management in public social service settings. Topics include organizational structure, funding streams, regulatory issues, job descriptions, skills, personal qualities, evaluation, assessment and referral, employment services, and career paths. It is designed for students entering into the field of case management in public service.

Schedule Description: This course provides an overview of the history, theories, skills and knowledge of case management in public social service settings.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
HUMSV 167	CRISIS INTERVENTION, ASSESSMENT, REFERRAL, AND EVALUATION

Course Title: Crisis Intervention

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

Catalog Description: The course examines the history and definitions of crisis intervention. Practical application of intervention theories and models, interviewing techniques, referral procedures, and assessment are explained and demonstrated. Analysis of types of crises such as suicide, substance abuse and violence in the workplace; common dangers; and coping methods will be presented. Professional issues including legal and ethical issues, confidentiality, cultural sensitivity and burn out are also covered.

Schedule Description: This course examines the history, definitions, models and techniques of crisis intervention strategies including interviewing, assessment, and community resources/referral. Analysis of types of crises, common dangers and coping methods will be presented.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
HUMSV 170	INTRODUCTION TO HUMAN SERVICES

Departmental Advisory: ENGL 914

Catalog Description: This course is an exploration of the historical and theoretical perspectives of human services in response to social problems. Examination of legal, ethical, and problem solving models are presented and implications of ethnic, gender, and cultural diversity issues are discussed.

Schedule Description: This course is an exploration and examination of historical and theoretical perspectives of human services in response to social problems. Legal, ethical, and problem solving models are presented and implications of ethnic, gender, and cultural diversity issues are discussed.

Rationale: Content review

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
HUMSV 172	GROUP AND FAMILY DYNAMICS

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

Catalog Description: This course offers a comprehensive study of the dynamics operating in groups and families including the identification of healthy versus dysfunctional groups/families; methods of intervention in dysfunctional groups/families; and the techniques of facilitating treatment groups.

Schedule Description: This course offers a comprehensive study of the dynamics operating in groups and families including the identification of healthy versus dysfunctional groups/families; methods of intervention, and techniques of facilitation treatment groups. Approved for continuing education credit for nurses. Provider approved by California Board of Registered Nursing. Provider #01480 for 45 contact hours.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
HUMSV 173	HELPING AND INTERPERSONAL SKILLS

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

Catalog Description: This course offers a practical study of helping strategies and interpersonal skills. The focus is on the use of techniques to improve communication, better evaluate relationships, and resolve conflicts.

Schedule Description: This course offers a practical study of helping strategies and interpersonal skills. The focus is on the use of techniques to improve communication, better evaluate relationships, and resolve conflicts. This course qualifies for continuing education for nurses. Provider approved by the California board of Registered Nursing, provider number 01480, for 45 contact hours.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
HUMSV 179	LEGAL/ETHICAL ISSUES IN HUMAN SERVICES

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined through the SBVC assessment process

Schedule Description: This course is a study of the interpretation and practice of the legal/ethical responsibilities and liabilities encountered in Human Services.

Rationale: Content review

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
HUMSV 181	ALCOHOL/DRUG STUDIES: INTRODUCTION

Departmental Advisory: ENGL 914

Catalog Description: An exploration of the psychological, sociological, and physical causes and effects of alcohol and drug abuse is provided in this course. Also included, are the examination of stereotypes about substance abusers, and the major prevention and treatment strategies.

Schedule Description: An exploration of the psychological, sociological, and physical causes and effects of alcohol and drug abuse is provided in this course. This course is approved for continuing education for nurses. Provider approved by the California Board of Registered Nursing. Provider #01480 for 45 contact hours.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
HUMSV 182	ALCOHOL/DRUG: PROGRAM MODALITIES

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined through the SBVC assessment process

Catalog Description: This course presents a comprehensive introduction to the various treatment modalities in the field of substance abuse treatment, including analysis and a detailed exploration of the continuum of care in the field and a review of the state certification and licensing requirements. The course will include a history of treatment and the responses to the changes within the economic environment.

Schedule Description: This course presents a comprehensive introduction to the various types of modalities in the field of substance abuse treatment, including analysis and a detailed exploration of continuum of care in the field and a review of the state certification and licensing requirements. This course is approved for continuing education credit for nurses. Provider approved by the California Board of Registered Nursing. Provider #01480 for 45 contact hours.

Rationale: Content review

Effective: FA13

COURSE ID	COURSE TITLE
PS 112	INTRODUCTION TO THE DEVELOPMENT OF MODERN SCIENCE

Prerequisite: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

Department Advisory: None

Catalog Description: This course is a survey of the rise of modern science from the Scientific Revolution of the 16th and 17th centuries through the biological and earth science revolutions of the 20th century and today. The historical forces that led to major scientific developments and the impact of science and science-based technology on society will be examined.

Schedule Description: This course is a survey of the rise of modern science from the Scientific Revolution through today. The historical forces that led to major scientific and technological advancement will be examined.

Rationale: Content review

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
POLIT 204	INTRODUCTION TO WORLD POLITICS

Course ID: POLIT 141

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

Catalog Description: This introductory course in world politics (international relations) surveys the principal actors, issues and processes involved in international relations. It includes paradigms and approaches in the study of world politics; foreign policy; issues of war and peace; international organizations; international law; globalization; international political economy, including global financial and trade institutions; human rights; and the global environment with respect to sustainable development. (Formerly POLIT 204)

Schedule Description: An introduction to world politics (international relations), this course surveys the major actors, processes and issues that inform international relations, including foreign policy, war and peace, international organizations, global political economy, human rights, international law, the global environment, and sustainable development. (Formerly POLIT 204)

EQUATE: YES

Rationale: Content Review

Effective: FA13

COURSE ID	COURSE TITLE
REFRIG 001	REFRIGERATION I

Course ID: HVAC/R 001

Course Title: HVAC/R Fundamentals

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 001)

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 001)

EQUATE: YES

Rationale: Modified to reflect program name change approved by the Board of Trustees March 2012

Effective: FA13

COURSE ID	COURSE TITLE
REFRIG 002	REFRIGERATION II

Course ID: HVAC/R 002

Course Title: Domestic Mechanical Refrigeration

Prerequisite: HVAC/R 001

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 002)

Schedule 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 002)

EQUATE: YES

Rationale: Modified to reflect program name change approved by the Board of Trustees March 2012

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
REFRIG 003	REFRIGERATION III

Course ID: HVAC/R 003

Course Title: Commercial Mechanical Refrigeration

Prerequisite: HVAC/R 001

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 003)

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 003)

EQUATE: YES

Rationale: Modified to reflect program name change approved by the Board of Trustees March 2012

Effective: FA13

COURSE ID	COURSE TITLE
REFRIG 004	REFRIGERATION ELECTRICITY I

Course ID: HVAC/R 004

Course Title: Electrical Fundamentals for HVAC/R

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 004)

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 trainers and projects. (Formerly REFRIG 004)

EQUATE: YES

Rationale: Modified to reflect program name change approved by the Board of Trustees March 2012

Effective: FA13

COURSE ID	COURSE TITLE
REFRIG 005	REFRIGERATION ELECTRICITY I

Course ID: HVAC/R 005

Course Title: Commercial Electric for HVAC/R

Prerequisite: HVAC/R 004

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 005)

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 005)

EQUATE: YES

Rationale: Modified to reflect program name change approved by the Board of Trustees March 2012

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
REFRIG 006	AIR CONDITIONING AND HEATING (HVAC)

Course ID: HVAC/R 006

Course Title: HVAC/R Air Distribution Systems

Prerequisite: HVAC/R 001

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 006)

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 006)

EQUATE: YES

Rationale: Modified to reflect program name change approved by the Board of Trustees March 2012

Effective: FA13

COURSE ID	COURSE TITLE
REFRIG 007	REFRIGERATION WELDING

Course ID: HVAC/R 007

Course Title: Welding for HVAC/R

Catalog Description: This course covers intensive training in soldering, brazing and welding techniques on copper tubing, steel and dissimilar metals using oxyacetylene and special gas torches as practiced in the refrigeration, HVAC industry including blueprint reading and fabrication. (Formerly REFRIG 007)

Schedule Description: This course covers intensive training in soldering, brazing and welding techniques on copper tubing, steel and dissimilar metals using oxyacetylene and special gas torches as practiced in the refrigeration, HVAC industry. (Formerly REFRIG 007)

EQUATE: YES

Rationale: Modified to reflect program name change approved by the Board of Trustees March 2012

Effective: FA13

COURSE ID	COURSE TITLE
SPAN 102	COLLEGE SPANISH II

Prerequisite: SPAN 101 or SPAN 101H

Rationale: Content Review

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY COURSE

COURSE ID	COURSE TITLE
WELD 023	OXY-ACETYLENE WELDING

Course ID: WELD 012

Units: 2

Lecture: 1 contact hour(s) per week
16 - 18 contact hours per semester

Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: WELD 010

Catalog Description: This course provides training to develop the manual skills necessary to produce a quality weld using oxy-acetylene welding and flame cutting that are essential for maintenance welding and cutting. (Formerly WELD 023)

Schedule Description: This course provides training to develop the manual skills necessary to produce a quality weld using oxy-acetylene welding and flame cutting that are essential for maintenance welding and cutting. (Formerly WELD 023)

EQUATE: YES

Rationale: Content Review

Effective: FA13

CONTENT REVIEW**NO CHANGES TO COURSE ID, TITLE, UNITS, REQUISITES, HOURS, CATALOG OR SCHEDULE DESCRIPTIONS**

CHEM 104

CHEM 104H

GIS 130

MUS 104

MUS 105

MUS 106

SPAN 101

Effective: FA13

Rationale: 6-year review cycle

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

DELETE COURSES

AERO 100.2	CRMJUS 018	DIESEL 034	POLICE 040	POLICE 074	POLICE 092
AERO 101.2	CRMJUS 020	HUMSV 175	POLICE 041	POLICE 075	POLICE 095
AERO 121	CRMJUS 031	HUMSV 176	POLICE 050	POLICE 078	POLICE 996
AERO 122	CRMJUS 036	HUMSV 178	POLICE 054	POLICE 079	POLICE 997
AERO 124	CRMJUS 065	HUMSV 198G	POLICE 058	POLICE 080	
AERO 125	CRMJUS 066	POLICE 004x20	POLICE 059	POLICE 082	
AERO 126	CRMJUS 068	POLICE 005x20	POLICE 064	POLICE 084	
AERO 134	CRMJUS 069	POLICE 010	POLICE 065	POLICE 086	
AERO 140	CRMJUS 072x20	POLICE 020	POLICE 069	POLICE 087	
AERO 144	CRMJUS 075	POLICE 025	POLICE 070	POLICE 088	
BIOL 204	DIESEL 020	POLICE 028	POLICE 072	POLICE 090	
CIT 060	DIESEL 030	POLICE 029	POLICE 073	POLICE 091	

Effective: FA13

Rationale: Courses are no longer offered

DISTRIBUTED EDUCATION

ADJUS 108	GEOL 250	PS 112
CHEM 101	GEOL 251	SPAN 101
CHEM 104	GIS 130	SPAN 101H
CHEM 104H	GIS 222	SPAN 102
CS 110	HIST 145	SPAN 102H
CS 130	HUMSV 140	
CS 170	HUMSV 167	
CS 190	HUMSV 170	
CS 265	HUMSV 179	
FN 064	HUMSV 181	
FN 162	MUS 104	
GEOL 101	MUS 105	
GEOL 112	MUS 106	
GEOL 122	POLIT 141	

100% ONLINE

Effective: FA13

Rationale: One of the planning themes of San Bernardino Valley College (SBVC) is access. For career technical courses, the issue of scheduling is crucial. Students working the night shift can only take class in the morning while those working traditional day schedules can only take evening classes. Given these variables and difficult schedules, students need the flexibility of time that an online class affords. An asynchronous online class allows students to study when their schedules allow and where they have the space and materials to do so effectively. The online delivery method of these courses supports the mission of SBVC by providing access to education to a diverse community of learners who find themselves in a community with complicated lives and difficult and demanding schedules and responsibilities.

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

Communication Studies Transfer Degree, AA-T

The Associate in Arts for Transfer (AA-T) in communication studies provides opportunities for students through the Student Transfer Achievement Reform Act (SB 1440). The law states that students will have guaranteed admission to a California State University (CSU) campus upon successful completion of the specified program requirements. This degree encourages student to examine and evaluate human communication across and within various contexts for the purpose of increasing communication competence. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals.

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does not accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

To earn this AA-T degree, students must meet the following requirements:

- completion of the following major requirements with grades of C or better;
- completion of a minimum of 60 CSU transferable semester units with a grade point average of at least 2.0; and
- certified completion of the CSU General Education-Breadth (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) for CSU, which requires a minimum of 39 units.

It is highly recommend that students complete courses that satisfy the U.S. History, Constitution, and American Ideals requirement as part of CSUGE or IGETC before transferring to a CSU.

Students planning to transfer to a four-year institution and major in Communication Studies should consult with a counselor regarding the transfer process and lower division requirements.

REQUIRED CORE COURSE

	Units
COMMST 100 Elements of Public Speaking	3
or	
COMMST 100H Elements of Public Speaking - Honors	3

LIST A: 6 units minimum

	Units
COMMST 111 Interpersonal Communication	3
COMMST 125 Critical Thinking Through Argumentation and Debate	3
COMMST 140 Small Group Communication	3

LIST B: 6 units minimum

Any course not used from List A

	Units
COMMST 135 Mass Media and Society	3
COMMST 174 Intercultural Communication	3
ENGL 102 Intermediate Composition and Critical Thinking	4
or	
ENGL 102H Intermediate Composition and Critical Thinking - Honors	4

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

List C: 3 units minimum

		Units
COMMST 176	Gender Differences in Communication	3
ENGL 122	Journalism Production: Introduction	2
ENGL 151	Freshman Composition and Literature	3
PSYCH 100	General Psychology	3
	or	
PSYCH 100H	General Psychology - Honors	3
SOC 100	Introduction to Sociology	3
	or	
SOC 100H	Introduction to Sociology - Honors	3
Major Total: 18-21		
CSU GE-Breadth or IGETC for CSU requirements: 39-42		
CSU electives (as needed to reach 60 transferrable units): 0-3		
<hr/>		
Total Units		60

Effective: FA13

Rationale: Offering a communication studies TMC degree will offer additional options for students who wish to pursue transfer to the CSU system. This TMC offers many benefits to our students. The most significant advantage is the assurance that this AA-T will be accepted as appropriate major preparation at all CSU campuses, rather than just the one nearest to the college at which the degree was completed. The degrees authorized under SB 1440 encourage students to complete their associate degrees before transferring while offering a streamlined pathway for transfer to the CSU, thus benefiting students in multiple ways.

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

30 of 48

Computer Science Transfer Degree, AS-T

The Associate of Science for Transfer (AS-T) in Computer Science is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus.

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does not accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

To earn this AS-T degree, students must meet the following requirements:

- completion of the following major requirements with grades of C or better;
- completion of a minimum of 60 CSU transferable semester units with a grade point average of at least 2.0; and
- certified completion of the CSU General Education-Breadth (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) for CSU, which requires a minimum of 39 units.

It is highly recommend that students complete courses that satisfy the U.S. History, Constitution, and American Ideals requirement as part of CSUGE or IGETC before transferring to a CSU.

Students planning to transfer to a four-year institution and major in Computer Science should consult with a counselor regarding the transfer process and lower division requirements.

COMPUTER SCIENCE MAJOR REQUIRED COURSES:

		Units
CS 130	Discrete Structures	3
CS 170	Assembly Language	4
CS 190	Programming in C++	4
CS 265	Data Structures and Algorithms with C++	3
MATH 250	Single Variable Calculus I	4
MATH 251	Single Variable Calculus II	4
PHYSIC 200	Physics I	6
PHYSIC 201	Physics II	6

Major Total: 34

CSU GE-Breadth or IGETC for CSU requirements: 39-42

Total Units

60

MATH 250 and PHYSIC 200 meet CSU GE-Breadth and IGETC requirements. No more than 60 units are required for an AS-T degree.

This is a Gainful Employment Program

Effective: FA13

Rationale: Offering a computer science TMC degree will offer additional options for students who wish to pursue transfer to the CSU system. This TMC offers many benefits to our students. The most significant advantage is the assurance that this AS-T will be accepted as appropriate major preparation at all CSU campuses, rather than just the one nearest to the college at which the degree was completed. The degrees authorized under SB 1440 encourage students to complete their associate degrees before transferring while offering a streamlined pathway for transfer to the CSU, thus benefiting students in multiple ways.

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

Geography Transfer Degree, AS-T

This Associate in Science degree in Geography for Transfer (A.S.-T.) provides a path to students who wish to transfer to a CSU campus in Geography and serves the diverse needs of students who wish to obtain a broad and an in-depth understanding of the field. Additionally, this degree allows students to examine the environmental and spatial science of geography including both physical and cultural landscapes across the Earth. Courses in Geography also prepare students interested in careers in environmental studies, education, engineering, urban planning, and architecture.

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does not accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

To earn this AS-T degree, students must meet the following requirements:

- completion of the following major requirements with grades of C or better;
- completion of a minimum of 60 CSU transferable semester units with a grade point average of at least 2.0; and
- certified completion of the CSU General Education-Breadth (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) for CSU, which requires a minimum of 39 units.

It is highly recommend that students complete courses that satisfy the U.S. History, Constitution, and American Ideals requirement as part of CSUGE or IGETC before transferring to a CSU.

Students planning to transfer to a four-year institution and major in Geography should consult with a counselor regarding the transfer process and lower division requirements.

Required Courses

	Units
GEOG 102 Cultural Geography	3
GEOG 110 Physical Geography	3
GEOG 111 Physical Geography Laboratory	1
or	
GEOG 111H Physical Geography Laboratory - Honors	1

List A- Select 6 to 7 units from the following:

	Units
GEOG 120 World Regional Geography	3
GIS 130 Introduction to Geographic Information Systems (GIS)	3
GEOG 114 Weather and Climate	4

List B- Select 6 units from the following:

	Units
ANTHRO 102 Cultural Anthropology	3
GEOL 101 Introduction to Physical Geology	3
POLIT 204 Introduction to World Politics	3
GIS 133 GIS Cartography and Base Map Development	3
ENGL 102 Intermediate Composition and Critical Thinking	4

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

	or	
ENGL 102H	Intermediate Composition and Critical Thinking - Honors	4
OCEAN 101	Elements of Oceanography	3
	and	
OCEAN 111	Elements of Oceanography Laboratory	1
Major Total: 19-22		
CSU GE-Breadth or IGETC for CSU requirements: 39-42		
CSU electives (as needed to reach 60 transferrable units): 0-2		
Total Units		60

Effective: FA13

Rationale: Offering a geography TMC degree will offer additional options for students who wish to pursue transfer to the CSU system. This TMC offers many benefits to our students. The most significant advantage is the assurance that this AS-T will be accepted as appropriate major preparation at all CSU campuses, rather than just the one nearest to the college at which the degree was completed. The degrees authorized under SB 1440 encourage students to complete their associate degrees before transferring while offering a streamlined pathway for transfer to the CSU, thus benefiting students in multiple ways.

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

33 of 48

Geology Transfer Degree, AS-T

The Associate of Geology for Transfer (AS-T) in Geology is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus.

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does not accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

To earn this AS-T degree, students must meet the following requirements:

- completion of the following major requirements with grades of C or better;
- completion of a minimum of 60 CSU transferable semester units with a grade point average of at least 2.0; and
- certified completion of the CSU General Education-Breadth (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) for CSU, which requires a minimum of 39 units.

It is highly recommend that students complete courses that satisfy the U.S. History, Constitution, and American Ideals requirement as part of CSUGE or IGETC before transferring to a CSU.

Students planning to transfer to a four-year institution and major in Geology should consult with a counselor regarding the transfer process and lower division requirements.

Required Courses

		Units
GEOL 101	Introduction to Physical Geology	3
GEOL 111	Introduction to Physical Geology Laboratory	1
GEOL 112	Historical Geology	4
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
MATH 250	Single Variable Calculus I	4
MATH 251	Single Variable Calculus II	4

Recommended Courses:

		Units
BIOL 100	General Biology	4
	or	
BIOL 109	History of Life	4
	or	
BIOL 109H	History of Life - Honors	4

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

GEOG 110	Physical Geography	3
GEOL 201	Mineralogy	4
GIS 130	Introduction to Geographic Information Systems (GIS)	3
PHYSIC 150A	General Physics for the Life Sciences I	5
	and	
PHYSIC 150B	General Physics for the Life Sciences II	5
	or	
PHYSIC 200	Physics I	6
	and	
PHYSIC 201	Physics II	6

Major Total: 26

CSU GE-Breadth or IGETC for CSU requirements: 39-42

Total Units

60

GEOL or CHEM and MATH 250 meet CSU GE-Breadth and IGETC requirements. No more than 60 units are required for an AS-T degree.

Effective: FA13

Rationale: Offering a geology TMC degree will offer additional options for students who wish to pursue transfer to the CSU system. This TMC offers many benefits to our students. The most significant advantage is the assurance that this AS-T will be accepted as appropriate major preparation at all CSU campuses, rather than just the one nearest to the college at which the degree was completed. The degrees authorized under SB 1440 encourage students to complete their associate degrees before transferring while offering a streamlined pathway for transfer to the CSU, thus benefiting students in multiple ways.

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

35 of 48

Political Science Transfer Degree, AA-T

Political Science is the academic discipline that investigates the institutions and processes by which human societies are ruled. Political scientists use the techniques of empirical research and historical analysis, along with normative consideration of the ends of political action, to explore the outcomes of various governmental arrangements and alternatives. The study of political science will prepare students for careers in law, politics, governmental service, social science teaching, and journalism, as well as for active participation in the political system of the United States.

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does not accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

To earn this AA-T degree, students must meet the following requirements:

- completion of the following major requirements with grades of C or better;
- completion of a minimum of 60 CSU transferable semester units with a grade point average of at least 2.0; and
- certified completion of the CSU General Education-Breadth (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) for CSU, which requires a minimum of 39 units.

It is highly recommend that students complete courses that satisfy the U.S. History, Constitution, and American Ideals requirement as part of CSUGE or IGETC before transferring to a CSU.

Students planning to transfer to a four-year institution and major in political science should consult with a counselor regarding the transfer process and lower division requirements.

Required Core:

POLIT 100	American Politics	Units 3
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List A (Any Three of These):

POLIT 110	Introduction to Political Theory	Units 3
or		
POLIT 110H	Introduction to Political Theory - Honors	3
POLIT 140	Introduction to Comparative Politics	3
POLIT 141	Introduction to World Politics	3
ECON 208	Business and Economics Statistics	4
or		
MATH 108	Introduction to Probability and Statistics	4
or		
PSYCH 105	Statistics for the Behavioral Sciences	3

List B (Any Two of These):

ANTHRO 102	Cultural Anthropology	Units 3
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Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

ECON 100	Introduction to Economics	3
ECON 200	Principles of Macroeconomics	3
	or	
ECON 200H	Principles of Macroeconomics - Honors	3
ECON 201	Principles of Microeconomics	3
	or	
ECON 201H	Principles of Microeconomics - Honors	3
ENGL 102	Intermediate Composition and Critical Thinking	4
	or	
ENGL 102H	Intermediate Composition and Critical Thinking - Honors	4
HIST 100	United States History to 1877	3
HIST 101	United States History: 1865 to Present	3
HIST 137	Racial and Ethnic Groups in United States History	3
HIST 150	Introduction to Latin American History	3
HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3
PHIL 101	Introduction to Philosophy	3
	or	
PHIL 101H	Introduction to Philosophy - Honors	3
POLIT 138	Service Learning: Student Leadership	3
POLIT 139	Service Learning: Community Leadership	3
PSYCH 100	General Psychology	3
	or	
PSYCH 100H	General Psychology - Honors	3
RELIG 100	Introduction to Religious Studies	3
	or	
RELIG 100H	Introduction to Religious Studies - Honors	3
SOC 100	Introduction to Sociology	3
	or	
SOC 100H	Introduction to Sociology - Honors	3
Major Total: 18-20		
CSU GE-Breadth or IGETC for CSU requirements: 39-42		
CSU electives (as needed to reach 60 transferrable units): 0-3		

Total Units **60**

Effective: FA13

Rationale: Offering a political science TMC degree will offer additional options for students who wish to pursue transfer to the CSU system. This TMC offers many benefits to our students. The most significant advantage is the assurance that this AA-T will be accepted as appropriate major preparation at all CSU campuses, rather than just the one nearest to the college at which the degree was completed. The degrees authorized under SB 1440 encourage students to complete their associate degrees before transferring while offering a streamlined pathway for transfer to the CSU, thus benefiting students in multiple ways.

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

37 of 48

MODIFY DEGREE

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

This degree is designed to prepare students for entry-level work as an auto collision repair technician and/or painter apprentice beyond the Basic Automotive Collision Repair and Refinishing Certificate.

To graduate with a specialization in Advanced Automotive Collision Repair and Refinishing, students must complete the following courses plus the general breadth requirements for the associate of science degree (minimum total = 60 units).

REQUIRED COURSES:

	Units
AUTO 020	6
AUTO 022	6
AUTO 024	6
AUTO 026	6
AUTO 028	3
AUTO 029	3
AUTO 050	4
or	
AUTO 052	4
AUTO 084	4

RECOMMENDED COURSE:

	Units
AUTO 056	4

Total Units

38

AUTO 020 may be waived through the Articulation 2+2 program with prior agreement with the auto collision and refinishing instructor.

This is a Gainful Employment Program

Effective: FA13

Rationale: Adding AUTO 028 and 029 per Advisory Committee's recommendation

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

38 of 48

Aviation Maintenance Technician A.S. Degree Major

To graduate with a specialization in Aviation Maintenance Technician, students must complete the following requirements with a grade of C or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units). This degree enables the holder to perform 100 hours and annual inspections on aircraft ranging from small aircraft used in general aviation to jets utilized by commercial airlines.

REQUIRED COURSES:

		Units
AERO 100	General/Calculations and Basic Electricity Airframe and Powerplant Technologies	5
AERO 100L	General Laboratory/Calculations and Basic Electricity Airframe and Powerplant Technologies	2
AERO 101	General/Materials and Servicing Airframe and Powerplant Technologies	5
AERO 101L	General Laboratory/Materials and Servicing Airframe and Powerplant Technologies	2
AERO 102	Airframe Maintenance - Structures	6
AERO 102L	Airframe Maintenance Laboratory - Structures	5
AERO 103	Airframe Maintenance - Systems and Components	6
AERO 103L	Airframe Maintenance Laboratory - Systems and Components	5
AERO 104	Powerplant Maintenance - Reciprocating Engine Overhaul	6
AERO 104L	Powerplant Maintenance Laboratory - Reciprocating Engine Overhaul	5
AERO 105	Powerplant Maintenance - Accessory Overhaul	6
AERO 105L	Powerplant Maintenance Laboratory - Accessory Overhaul	5

Total Units **58**

This is a Gainful Employment Program

Effective: FA13

Rationale: Updating curriculum changes

CIT – Office Technology A.A. Degree Major

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). This degree is designed to prepare students for entry-level positions such as general clerk, information clerk, receptionist, and secretary.

REQUIRED COURSES:

		Units
BUSAD 039	Strategies for Successful Employment	3
CIT 016	Advanced Keyboarding	3
CIT 020	Word Processing: Microsoft Word	3
CIT 101	Introduction to Computer Literacy	3
CIT 105	Introduction to Windows	2
CIT 114	Spreadsheets: Excel	3

Select one course from the following:

		Units
ART 145	Fundamentals of Graphic Design	3
CIT 025	Microsoft Office Outlook	2
CIT 118	Microsoft Powerpoint	3
CIT 120	Internet	2

Total Units **19 - 20**

This is a Gainful Employment Program

Effective: FA13

Rationale: Content Review

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY DEGREE

Culinary Arts Program A.A. Degree Major

To graduate with a specialization in Culinary Arts, students must complete the following required courses plus the general breadth requirements for the associate degree.

REQUIRED COURSES:		Units
BUSAD 100	Introduction to Business	3
CULART 011	Culinary Arts Internship II	5.5
CULART 012	Culinary Arts Internship III	5.5
CULART 041	Advanced Baking	6
CULART 101	Introduction to Culinary Arts	3
CULART 160	Introduction to Foods	3
CULART 161	Quantity Food Preparation	3
CULART 201	Culinary and Hospitality Management	3
CULART 225	Sanitation and Safety	3
CULART 235	Menu Planning Principles	3
CULART 240	Procurement, Purchasing and Selection	3
CULART 250	Food, Wine and Beverage Service Concepts	3
CULART 275	Food, Beverage and Labor Cost Control	3
FN 162	Nutrition	3
Total Units		50

This is a Gainful Employment Program

Effective: FA13

Rationale: Content Review

Engine Performance A.S. Degree Major

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

This degree is designed to prepare students for entry-level work as engine performance specialist and diagnostic technician or a state certified smog check and repair technician. Areas such as computer systems, electrical systems, basic engine diagnosis and emissions repair and certification are covered. Students working for this degree must have a basic knowledge in general automotive or take AUTO 084 General Automotive Technology first in order to learn and work in these occupations.

REQUIRED COURSES:		Units
AUTO 063	Emission Systems	4
or		
AUTO 067	Emission/Smog Check Technician Training	4
AUTO 064	Automotive Electrical: Battery, Starting and Charging Systems	5
AUTO 066	ASE Alternative A-6, A-8, L-1 Prep or Certificate	4
AUTO 068	Engine Performance - Ignition Systems	5
AUTO 069	Engine Performance - Fuel and Exhaust Systems	5
Total Units		23

This is a Gainful Employment Program

Effective: FA13

Rationale: Content Review

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

40 of 48

MODIFY DEGREE

Heating, Ventilation, Air Conditioning and Refrigeration A.S. Degree Major

To graduate with a specialization in Heating, Ventilation, Air Conditioning and Refrigeration, 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
HVAC/R 001	HVAC/R Fundamentals	4
HVAC/R 002	Domestic Mechanical Refrigeration	4
HVAC/R 003	Commercial Mechanical Refrigeration	4
HVAC/R 004	Electrical Fundamentals for HVAC/R	4
HVAC/R 005	Commercial Electric for HVAC/R	4
HVAC/R 006	HVAC/R Air Distribution Systems	4
HVAC/R 007	Welding for HVAC/R	3
Environmental Protection Agency (EPA) Universal Certification (608)		0

RECOMMENDED COURSE: Students are encouraged to take this course to augment their knowledge of air conditioning and heating:

AUTO 056	Automotive Heating and Air Conditioning	4
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Total Units

27

This is a Gainful Employment Program

Rationale: Modified to reflect program name change approved by the Board of Trustees March 2012

Effective: FA13

DELETE DEGREE

FLIGHT OPERATIONS AND MANAGEMENT

Rationale: Degree no longer offered

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

41 of 48

Advanced Automotive Collision Repair and Refinishing Certificate

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

REQUIRED COURSES:

		Units
AUTO 020	Non-Structural Body Repair	6
AUTO 022	Non-Structural Collision Repair	6
AUTO 024	Structural Analysis and Damage Repair	6
AUTO 026	Auto Collision Refinishing	6
AUTO 028	Damage Analysis and Estimating	3
AUTO 029	Estimating	3
AUTO 050	Automotive Brakes	4
or		
AUTO 052	Automotive Suspension and Steering	4
AUTO 084	General Automotive Technology	4

RECOMMENDED COURSE:

		Units
AUTO 056	Automotive Heating and Air Conditioning	4

Total Units

38

AUTO 020 may be waived through the Articulation 2+2 program with prior agreement with the auto collision and refinishing instructor.

This is a Gainful Employment Program

Effective: FA13

Rationale: Adding AUTO 028 and 029 per Advisory Committee's recommendation

Airframe Maintenance Technician Certificate

This certificate is designed to prepare students to qualify for the Airframe Certificate issued by the Federal Aviation Administration (FAA), which enables the holder to perform 100 hours and annual inspections on aircraft ranging from small aircraft used in general aviation to jets utilized by commercial airlines. The written examinations are administered by the FAA at computer testing centers. The total program requires 1,150 hours of lecture and laboratory.

REQUIRED COURSES:

		Units
AERO 100	General/Calculations and Basic Electricity Airframe and Powerplant Technologies	5
AERO 100L	General Laboratory/Calculations and Basic Electricity Airframe and Powerplant Technologies	2
AERO 101	General/Materials and Servicing Airframe and Powerplant Technologies	5
AERO 101L	General Laboratory/Materials and Servicing Airframe and Powerplant Technologies	2
AERO 102	Airframe Maintenance - Structures	6
AERO 102L	Airframe Maintenance Laboratory - Structures	5
AERO 103	Airframe Maintenance - Systems and Components	6
AERO 103L	Airframe Maintenance Laboratory - Systems and Components	5

Total Units

36

This is a Gainful Employment Program

Effective: FA13

Rationale: Updating course curriculum changes

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY CERTIFICATE

Aviation Maintenance Technician Certificate

This certificate is designed to prepare students to qualify for the airframe and powerplant certificates issued by the Federal Aviation Administration (FAA), which enables the holder to perform 100 hours and annual inspections on aircraft ranging from small aircraft used in general aviation to jets utilized by commercial airlines. The written examinations are administered by the FAA at computer testing centers. The total program requires 1,900 hours of lecture and laboratory.

REQUIRED COURSES:

		Units
AERO 100	General/Calculations and Basic Electricity Airframe and Powerplant Technologies	5
AERO 100L	General Laboratory/Calculations and Basic Electricity Airframe and Powerplant Technologies	2
AERO 101	General/Materials and Servicing Airframe and Powerplant Technologies	5
AERO 101L	General Laboratory/Materials and Servicing Airframe and Powerplant Technologies	2
AERO 102	Airframe Maintenance - Structures	6
AERO 102L	Airframe Maintenance Laboratory - Structures	5
AERO 103	Airframe Maintenance - Systems and Components	6
AERO 103L	Airframe Maintenance Laboratory - Systems and Components	5
AERO 104	Powerplant Maintenance - Reciprocating Engine Overhaul	6
AERO 104L	Powerplant Maintenance Laboratory - Reciprocating Engine Overhaul	5
AERO 105	Powerplant Maintenance Lecture - Accessory Overhaul	6
AERO 105L	Powerplant Maintenance Laboratory - Accessory Overhaul	5

Total Units **58**

This is a Gainful Employment Program

Effective: FA13

Rationale: Updating course curriculum changes

CISCO Certified Network Associate Certificate

This certificate is designed to prepare students to take the Cisco Certified Network Associate certification examination. This course of study prepares students for entry level employment in the computer networking field. The certificate is part of the Cisco Networking Academy program and all instruction is provided by Cisco Certified Academy Instructors using Cisco certified curriculum.

REQUIRED COURSES:

		Units
CIT 091	Networking Fundamentals Semester One (Cisco Networking Academy)	3
CIT 092	Basic Routing Semester Two (Cisco Networking Academy)	3
CIT 093	Fundamentals of LANs, Local Area Networks, Semester Three (Cisco Networking Academy)	3
CIT 094	Fundamentals of WANs, Wide Area Networks , Semester Four (Cisco Networking Academy)	3

Total Units **12**

This is a Gainful Employment Program

Effective: FA13

Rationale: Content Review

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY CERTIFICATE

Culinary Arts Certificate

The Culinary Arts Certificate is designed for students who are interested in entering middle-management positions within the restaurant/hospitality industry.

REQUIRED COURSES:

		Units
BUSAD 100	Introduction to Business	3
CULART 011	Culinary Arts Internship II	5.5
CULART 012	Culinary Arts Internship III	5.5
CULART 041	Advanced Baking	6
CULART 101	Introduction to Culinary Arts	3
CULART 160	Introduction to Foods	3
CULART 161	Quantity Food Preparation	3
CULART 201	Culinary and Hospitality Management	3
CULART 225	Sanitation and Safety	3
CULART 235	Menu Planning Principles	3
CULART 240	Procurement, Purchasing and Selection	3
CULART 250	Food, Wine and Beverage Service Concepts	3
CULART 275	Food, Beverage and Labor Cost Control	3
FN 162	Nutrition	3

RECOMMENDED COURSE:

		Units
BUSCAL 050	Quantitative Methods in Business	3

Total Units **50**

This is a Gainful Employment Program

Effective: FA13

Rationale: Content Review

Dining Room Service Certificate

The Dining Room Service Certificate is designed to prepare students for entry-level employment in the front-of-the-house of the restaurant/hospitality industry.

REQUIRED COURSES:

		Units
CULART 010	Culinary Arts Internship I	5.5
CULART 011	Culinary Arts Internship II	5.5
CULART 020	Catering and Banquets I	5
CULART 101	Introduction to Culinary Arts	3
CULART 225	Sanitation and Safety	3
CULART 235	Menu Planning Principles	3
CULART 250	Food, Wine and Beverage Service Concepts	3
CULART 275	Food, Beverage and Labor Cost Control	3

Total Units **31**

This is a Gainful Employment Program

Effective: FA13

Rationale: Content Review

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

MODIFY CERTIFICATE

Engine Performance Certificate

This certificate is designed to prepare students for entry-level work as engine performance specialist and diagnostic technician or a state certified smog check and repair technician. Areas such as computer systems, electrical systems, basic engine diagnosis and emissions repair and certification are covered. Students working for this certificate must have a basic knowledge of arithmetic, reading, writing and general automotive experience or take AUTO 084 General Automotive Technology first in order to learn and work in these occupations.

REQUIRED COURSES:

		Units
AUTO 063	Emission Systems	4
	or	
AUTO 067	Emission/Smog Check Technician Training	4
AUTO 064	Automotive Electrical: Battery, Starting and Charging Systems	5
AUTO 066	ASE Alternative A-6, A-8, L-1 Prep or Certificate	4
AUTO 068	Engine Performance - Ignition Systems	5
AUTO 069	Engine Performance - Fuel and Exhaust Systems	5
MATH 942	Arithmetic	3

Total Units

26

This is a Gainful Employment Program

Effective: FA13

Rationale: Content Review

Food Preparation Certificate

The Food Preparation Certificate is designed to prepare students for entry-level employment in food preparation.

REQUIRED COURSES:

		Units
CULART 010	Culinary Arts Internship I	5.5
CULART 011	Culinary Arts Internship II	5.5
CULART 012	Culinary Arts Internship III	5.5
CULART 020	Catering and Banquets I	5
CULART 030	Catering and Banquets II	6
CULART 040	Introduction to Baking	3
CULART 041	Advanced Baking	6
CULART 101	Introduction to Culinary Arts	3
CULART 160	Introduction to Foods	3
CULART 161	Quantity Food Preparation	3
CULART 225	Sanitation and Safety	3
CULART 240	Procurement, Purchasing and Selection	3

Total Units

51.5

This is a Gainful Employment Program

Effective: FA13

Rationale: Content Review

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

Food Service Certificate

The Food Service Certificate is designed for students interested in employment at commercial restaurants, institutions, health care facilities, school food services, and related food service industries.

REQUIRED COURSES:

		Units
BUSAD 100	Introduction to Business	3
CULART 101	Introduction to Culinary Arts	3
CULART 160	Introduction to Foods	3
CULART 161	Quantity Food Preparation	3
CULART 201	Culinary and Hospitality Management	3
CULART 225	Sanitation and Safety	3
CULART 235	Menu Planning Principles	3
CULART 240	Procurement, Purchasing and Selection	3
CULART 250	Food, Wine and Beverage Service Concepts	3
CULART 275	Food, Beverage and Labor Cost Control	3

Total Units **30**

This is a Gainful Employment Program

Effective: FA13

Rationale: Content Review

Heating, Ventilation, Air Conditioning and Refrigeration Certificate

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. This certificate is designed to prepare students with the necessary knowledge and skills to obtain entry-level employment in the field of heating, ventilation, air conditioning and refrigeration, installing, maintaining, and repairing such systems.

REQUIRED COURSES:

		Units
HVAC/R 001	HVAC/R Fundamentals	4
HVAC/R 002	Domestic Mechanical Refrigeration	4
HVAC/R 003	Commercial Mechanical Refrigeration	4
HVAC/R 004	Electrical Fundamentals for HVAC/R	4
HVAC/R 005	Commercial Electric for HVAC/R	4
HVAC/R 006	HVAC/R Air Distribution Systems	4
HVAC/R 007	Welding for HVAC/R	3
TECALC 087	Technical Calculations	4

or

MATH 095	Intermediate Algebra	4
	Environmental Protection Agency (EPA) Universal Certification (608)	0

RECOMMENDED COURSE: Students are encouraged to take this course to augment their knowledge of air conditioning and heating: **Units**

AUTO 056	Automotive Heating and Air Conditioning	4
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Total Units **31**

This is a Gainful Employment Program

Rationale: Modified to reflect program name change approved by the Board of Trustees March 2012

Effective: FA13

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

Heavy/Medium Duty Diesel Truck Technology Certificate

This certificate is designed to prepare students for entry-level positions for the repair and maintenance of diesel engines in trucks, locomotives, heavy vehicles, and mobile heavy-duty equipment.

REQUIRED COURSES:		Units
CIT 101	Introduction to Computer Literacy	3
DIESEL 019	Heavy-Duty Truck Electrical Systems	4
DIESEL 021	Heavy-Duty Diesel Engines	4
DIESEL 022	Heavy-Duty Truck Brakes	4
DIESEL 023	Heavy-Duty Truck Suspension and Steering	4
DIESEL 024	Advanced Heavy-Duty Diesel Engines	4
DIESEL 026	Computer Controlled Diesel Engines	4
DIESEL 028	Heavy-Duty Truck Systems	4
ENGL 914	Basic Writing	4
or		
Eligibility for ENGL 015 as determined by the SBVC assessment process		0 - 4
MATH 942	Arithmetic	3
or		
Eligibility for MATH 952 as determined by the SBVC assessment process		0 - 4
RECOMMENDED COURSE:		Units
WELD 010	Introduction to Welding	2

Total Units **33 - 41**

This is a Gainful Employment Program

Effective: FA13

Rationale: Content Review

Powerplant Maintenance Technician Certificate

This certificate is designed to prepare students to qualify for the Powerplant Certificate issued by the Federal Aviation Administration (FAA), which enables the holder to perform 100 hours and annual inspections on aircraft ranging from small aircraft used in general aviation to jets utilized by commercial airlines. The written examinations are administered by the FAA at computer testing centers. The total program requires 1,150 hours of lecture and laboratory.

REQUIRED COURSES:		Units
AERO 100	General/Calculations and Basic Electricity Airframe and Powerplant Technologies	5
AERO 100L	General Laboratory/Calculations and Basic Electricity Airframe and Powerplant Technologies	2
AERO 101	General/Materials and Servicing Airframe and Powerplant Technologies	5
AERO 101L	General Laboratory/Materials and Servicing Airframe and Powerplant Technologies	2
AERO 104	Powerplant Maintenance - Reciprocating Engine Overhaul	6
AERO 104L	Powerplant Maintenance Laboratory - Reciprocating Engine Overhaul	5
AERO 105	Powerplant Maintenance - Accessory Overhaul	6
AERO 105L	Powerplant Maintenance Laboratory - Accessory Overhaul	5

Total Units **36**

This is a Gainful Employment Program

Effective: FA13

Rationale: Updating course curriculum changes

Curriculum Meetings: 11-19-12; 12-03-12; 12-06-12

Conjoint Meeting: 12-14-12

Board of Trustees Meeting: January 17, 2013

DELETE CERTIFICATE

EATING DISORDERS STUDIES
FLIGHT OPERATIONS AND MANAGEMENT
FLUX CORE ARC WELDING (FCAW)
GAS METAL ARC WELDING (GMAW)
GAS TUNGSTEN ARC WELDING (GTAW)

Effective: FA13

Rationale: Certificate no longer offered