SAN BERNARDINO COMMUNITY COLLEGE DISTRICT

TO: Board of Trustees

FROM: Bruce Baron, Chancellor

REVIEWED BY: Diana Rodriguez, President, SBVC

PREPARED BY: Dr. Terri Long, Interim Vice President, Instruction, SBVC

DATE: January 10, 2019

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 for addition, modification, and deletion by the Curriculum Committee of the Academic Senate and will be included in the 2018-2019 or 2019-2020 College Catalog.

INSTITUTIONAL VALUES

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

FINANCIAL IMPLICATIONS

None.

SAN BERNARDINO VALLEY COLLEGE
SUBMITTED FOR BOARD OF TRUSTEE APPROVAL
January 10, 2019

CONTENT REVIEW

No Changes to the College Catalog

AUTO 020	AUTOIN 010	AUTORS 010	AUTOST 010
CHEM 104	CHEM 104H		

Rationale: Content Review
Effective: Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID: **AUTO 620**
Course Title: Non-Structural Body Repair
Hours: 128 - 144
Lecture: 5 contact hour(s) per week
80 - 90 contact hours per semester
Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester
Prerequisite: None.
Catalog Description: This noncredit course covers theory and practical experience in automotive collision damage repair and shop safety with a focus on automotive construction, regulations, oxyacetylene and Metal Inert Gas (MIG) welding, surface preparation, basic spray painting, and detailing. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test B-3.
Schedule Description: This noncredit course covers theory and practical experience in automotive collision damage repair and shop safety with a focus on automotive construction, regulations, oxyacetylene and MIG welding, surface preparation, basic spray painting, and detailing. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test B-3.
Rationale: Noncredit mirror course of AUTO 020, which will be added to the Automotive noncredit certificates.
TOP Code: 0949.00
Equate: Course not offered at CHC.
Effective: Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**AUTOIN 610**
Course Title:	Basic Auto Upholstery
Hours:	128 - 144
Lecture:	2 contact hour(s) per week 32 - 36 contact hours per semester
Laboratory:	6 contact hour(s) per week 96 - 108 contact hours per semester
Prerequisite:	None.
Catalog Description:	This noncredit course offers students basic theory and practical experience in creating custom automotive interiors. Safe work practices and the use of tools to develop, cut, sew and fit are emphasized.
Schedule Description:	This noncredit course offers students basic theory and practical experience in creating custom automotive interiors. Safe work practices and the use of tools to develop, cut, sew and fit are emphasized.
Rationale:	Noncredit mirror course of AUTOIN 610, which will be added to the Automotive noncredit certificates.
TOP Code:	0948.00
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**AUTOIN 612**
Course Title:	Advanced Custom Auto Interiors
Hours:	128 - 144
Lecture:	2 contact hour(s) per week 32 - 36 contact hours per semester
Laboratory:	6 contact hour(s) per week 96 - 108 contact hours per semester
Prerequisite:	None.
Catalog Description:	This noncredit course offers advanced level instruction on theory and installation of custom and hot rod automotive interiors. Safe work practices and the use of tools to design, cut, sew and fit complex interiors are emphasized.
Schedule Description:	This noncredit course offers advanced level instruction on theory and practical experience in creating custom automotive interiors. Safe work practices and the use of tools to design, cut, sew and fit complex interiors are emphasized.
Rationale:	Noncredit mirror course of AUTOIN 612, which will be added to the Automotive noncredit certificates.
TOP Code:	0949.10
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID: **AUTORS 610**
Course Title: Basic Vehicle Restoration
Hours: 128 - 144
Lecture: 2 contact hour(s) per week
32 - 36 contact hours per semester
Laboratory: 6 contact hour(s) per week
96 - 108 contact hours per semester
Prerequisite: None.
Catalog Description: The noncredit course includes basic vehicle restoration theory and practical experience as well as safe work practices, disassembly, cleaning, body repair, welding and assembly.
Schedule Description: The noncredit course includes basic vehicle restoration theory and practical experience as well as safe work practices, disassembly, cleaning, body repair, welding and assembly.
Rationale: Noncredit mirror course of AUTORS 010, which will be added to the Automotive noncredit certificates.
TOP Code: 0949.10
Equate: Course not offered at CHC.
Effective: Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID: **AUTOST 610**
Course Title: Beginning Street Rod Construction
Hours: 96 - 108
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 noncredit course covers theory and practical experience in building a street rod vehicle. Topics include shop safety, design and construction of frame and chassis systems and components, body repair, paint preparation, refinishing, and welding.
Schedule Description: This noncredit course covers the design and construction of a street rod vehicle including chassis systems and components, body repair, paint preparation, refinishing, and welding.
Rationale: Noncredit mirror course of AUTOST 010, which will be added to the Automotive noncredit certificates.
TOP Code: 0949.10
Equate: Course not offered at CHC.
Effective: Fall 2019

Curriculum Meeting: 11/26/18, 12/10/18
Conjoint Meeting: 12/12/18
Board of Trustees Meeting: January 10, 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**INSPEC 011**
Course Title:	Fundamentals of Construction Inspection: Soils and Concrete
Units:	3
Lecture:	3 contact hour(s) per week 48 - 54 contact hours per semester
Outside of Class Hours:	6 hour(s) per week
Prerequisite:	None.
Catalog Description:	This course provides a basic study of soils engineering, soils construction methods, soils identification, soils terminology, concrete and asphalt including cements, aggregates, admixtures, job and batch control, properties of concrete, finishing, curing, reinforcing and nomenclature for inspectors.
Schedule Description:	This course provides a basic study of soils engineering, soils construction methods, soils identification, soils terminology, concrete and asphalt including cements, aggregates, admixtures, job and batch control, properties of concrete, finishing, curing, reinforcing and nomenclature for inspectors.
Rationale:	Creating course to be added to the Inspection Technology program.
TOP Code:	0957.20
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**INSPEC 027**
Course Title:	Structural Plan Review
Units:	3
Lecture:	3 contact hour(s) per week 48 - 54 contact hours per semester
Outside of Class Hours:	6 hour(s) per week
Prerequisite:	None.
Catalog Description:	This is a basic study of simplified engineering that can be applied to both plan checking and field inspections.
Schedule Description:	This is a basic study of simplified engineering that can be applied to both plan checking and field inspections.
Rationale:	Creating course to be added to the Inspection Technology program.
TOP Code:	0957.20
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**INSPEC 028**
Course Title:	California Residential Code
Units:	3
Lecture:	3 contact hour(s) per week 48 - 54 contact hours per semester
Outside of Class Hours:	6 hour(s) per week
Prerequisite:	None.
Catalog Description:	This course provides building and safety personnel with a study of the California Residential Code (CRC) including application, interpretation, and use of the code.
Schedule Description:	This course provides building and safety personnel with a study of the California Residential Code (CRC) including application, interpretation, and use of the code.
Rationale:	Creating course to be added to the Inspection Technology program.
TOP Code:	0957.20
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**INSPEC 029**
Course Title:	Community Relations for Building Personnel
Units:	3
Lecture:	3 contact hour(s) per week 48 - 54 contact hours per semester
Outside of Class Hours:	6 hour(s) per week
Prerequisite:	None.
Catalog Description:	This course covers the development of oral and written communication skills for code enforcement personnel and an introduction to community relations for civil service employees. Topics include the proper methods of dealing with different types of encounters that an inspector may have with do-it-yourself homeowners, contractors, developers, etc. and the legal aspects of code administration and enforcement.
Schedule Description:	This course covers the development of oral and written communication skills for code enforcement personnel and an introduction to community relations for civil service employees. Topics include the proper methods of dealing with different types of encounters that an inspector may have with do-it-yourself homeowners, contractors, developers, etc. and the legal aspects of code administration and enforcement.
Rationale:	Creating course to be added to the Inspection Technology program.
TOP Code:	0957.20
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**INSPEC 031**
Course Title:	Aspects of Building and Safety
Units:	3
Lecture:	3 contact hour(s) per week 48 - 54 contact hours per semester
Outside of Class Hours:	6 hour(s) per week
Prerequisite:	None.
Catalog Description:	This course prepares students for the basic administrative functions of building and safety including: Title 25, Disabled access, staff roles, permit and plan checking, building inspection, and code enforcement.
Schedule Description:	This course prepares students for the basic administrative functions of building and safety including: Title 25, Disabled access, staff roles, permit and plan checking, building inspection, and code enforcement.
Rationale:	Creating course to be added to the Inspection Technology program.
TOP Code:	0957.20
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**INSPEC 611**
Course Title:	Fundamentals of Construction Inspection: Soils and Concrete
Hours:	48 - 54
Lecture:	3 contact hour(s) per week 48 - 54 contact hours per semester
Prerequisite:	None.
Catalog Description:	This noncredit course provides a basic study of soils engineering, soils construction methods, soils identification, soils terminology, concrete and asphalt including cements, aggregates, admixtures, job and batch control, properties of concrete, finishing, curing, reinforcing and nomenclature for inspectors.
Schedule Description:	This noncredit course provides a basic study of soils engineering, soils construction methods, soils identification, soils terminology, concrete and asphalt including cements, aggregates, admixtures, job and batch control, properties of concrete, finishing, curing, reinforcing and nomenclature for inspectors.
Rationale:	New noncredit course to act as a mirror course of INSPEC 011.
TOP Code:	0957.20
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**INSPEC 612**
Course Title:	Fundamentals of Construction Inspection: Wood, Steel, Masonry
Hours:	48 - 54
Lecture:	3 contact hour(s) per week 48 - 54 contact hours per semester
Prerequisite:	None.
Catalog Description:	This noncredit course is a basic study of structures, including wood, steel, and masonry construction, building occupancies, construction and separations, acoustics and sound control.
Schedule Description:	This noncredit course is a basic study of structures, including wood, steel, and masonry construction, building occupancies, construction and separations, acoustics and sound control.
Rationale:	New noncredit course to act as a mirror course of INSPEC 012.
TOP Code:	0957.20
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**INSPEC 613**
Course Title:	Advanced Construction Inspection: International Building Code (IBC)
Hours:	48 - 54
Lecture:	3 contact hour(s) per week 48 - 54 contact hours per semester
Prerequisite:	None.
Catalog Description:	This noncredit course provides for inspectors a study of the International Building Code (IBC) including application, interpretation, and use of the code.
Schedule Description:	This noncredit course provides for inspectors a study of the International Building Code (IBC) including application, interpretation, and use of the code.
Rationale:	New noncredit course to act as a mirror course of INSPEC 013.
TOP Code:	0957.20
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**INSPEC 614**
Course Title:	Advanced Construction Inspection: National Electrical Code (NEC)
Hours:	48 - 54
Lecture:	3 contact hour(s) per week 48 - 54 contact hours per semester
Prerequisite:	None.
Catalog Description:	This noncredit course provides an understanding of the National Electrical Code and a study of its applications.
Schedule Description:	This noncredit course provides an understanding of the National Electrical Code and a study of its applications.
Rationale:	New noncredit course to act as a mirror course of INSPEC 014.
TOP Code:	0957.20
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**INSPEC 615**
Course Title:	Advanced Construction Inspection: Uniform Plumbing Code (UPC)
Hours:	48 - 54
Lecture:	3 contact hour(s) per week 48 - 54 contact hours per semester
Prerequisite:	None.
Catalog Description:	This noncredit course is a study, interpretation and application of the CA Plumbing Code (CPC).
Schedule Description:	This noncredit course is a study, interpretation and application of the CA Plumbing Code (CPC).
Rationale:	New noncredit course to act as a mirror course of INSPEC 015.
TOP Code:	0957.20
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**INSPEC 616**
Course Title:	Advanced Construction Inspection: Uniform Mechanical Code (UMC)
Hours:	48 - 54
Lecture:	3 contact hour(s) per week 48 - 54 contact hours per semester
Prerequisite:	None.
Catalog Description:	This noncredit course is a study of the requirements for the design, construction, installation and maintenance of heating, ventilating, cooling, refrigeration systems, incinerators and other heat-producing appliances required by the CA Mechanical Code (CMC).
Schedule Description:	This noncredit course is a study of the requirements for the design, construction, installation and maintenance of heating, ventilating, cooling, refrigeration systems, incinerators and other heat-producing appliances required by the CA Mechanical Code (CMC).
Rationale:	New noncredit course to act as a mirror course of INSPEC 016.
TOP Code:	0957.20
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID: **INSPEC 617**
Course Title: California State Energy Regulations for Residential Buildings
Hours: 48 - 54
Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester
Prerequisite: None.
Catalog Description: This noncredit course is a study of the basic compliance requirements of the California Title 24 Energy Efficiency Standards for residential buildings and the 2016 CA Green Building Standards Code. It includes prescriptive and performance methods such as alternative packages and computer models.
Schedule Description: This noncredit course is a study of the basic compliance requirements of the California Title 24 Energy Efficiency Standards for residential buildings and the 2016 CA Green Building Standards Code. It includes prescriptive and performance methods such as alternative packages and computer models.
Rationale: New noncredit course to act as a mirror course of INSPEC 017.
TOP Code: 0957.20
Equate: Course not offered at CHC.
Effective: Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID: **INSPEC 618**
Course Title: California State Energy Regulations for Non-residential Buildings
Hours: 48 - 54
Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester
Prerequisite: None.
Catalog Description: This noncredit course studies basic compliance with California Title 24 Energy Efficiency Standards for non-residential buildings and CA Green Building Standards Code. It includes prescriptive and performance methods such as alternative packages and computer models.
Schedule Description: This noncredit course studies basic compliance with California Title 24 Energy Efficiency Standards for non-residential buildings and CA Green Building Standards Code. It includes prescriptive and performance methods such as alternative packages and computer models.
Rationale: New noncredit course to act as a mirror course of INSPEC 018.
TOP Code: 0957.20
Equate: Course not offered at CHC.
Effective: Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID: **INSPEC 626**
Course Title: Non-Structural Plan Review
Hours: 48 - 54
Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester
Prerequisite: None.
Catalog Description: This noncredit course provides training in the application of the CA Codes to construction drawings, including legal requirements for non-structural plan review, local, State, and Federal laws applicable to construction drawings, and the use of plan reviews as a first step in performing consistent and thorough inspections.
Schedule Description: This noncredit course provides training in the application of the CA Codes to construction drawings.
Rationale: New noncredit course to act as a mirror course of INSPEC 026.
TOP Code: 0957.20
Equate: Course not offered at CHC.
Effective: Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID: **INSPEC 627**
Course Title: Structural Plan Review
Hours: 48 - 54
Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester
Prerequisite: None.
Catalog Description: This is a noncredit basic study of simplified engineering that can be applied to both plan checking and field inspections.
Schedule Description: This is a noncredit basic study of simplified engineering that can be applied to both plan checking and field inspections.
Rationale: New noncredit course to act as a mirror course of INSPEC 027.
TOP Code: 0957.20
Equate: Course not offered at CHC.
Effective: Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID: **INSPEC 628**
Course Title: California Residential Code
Hours: 48 - 54
Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester
Prerequisite: None.
Catalog Description: This noncredit course provides building and safety personnel with a study of the California Residential Code (CRC) including application, interpretation, and use of the code.
Schedule Description: This course provides building and safety personnel with a study of the California Residential Code (CRC) including application, interpretation, and use of the code.
Rationale: New noncredit course to act as a mirror course of INSPEC 028.
TOP Code: 0957.20

Equate: Course not offered at CHC.
Effective: Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID: **INSPEC 629**
Course Title: Community Relations for Building Personnel
Hours: 48 - 54
Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester
Prerequisite: None.
Catalog Description: This noncredit course covers the development of oral and written communication skills for code enforcement personnel and an introduction to community relations for civil service employees. Topics include the proper methods of dealing with different types of encounters that an inspector may have with do-it-yourself homeowners, contractors, developers, etc. and the legal aspects of code administration and enforcement.
Schedule Description: This noncredit course covers the development of oral and written communication skills for code enforcement personnel and an introduction to community relations for civil service employees. Topics include the proper methods of dealing with different types of encounters that an inspector may have with do-it-yourself homeowners, contractors, developers, etc. and the legal aspects of code administration and enforcement.
Rationale: New noncredit course to act as a mirror course of INSPEC 029.
TOP Code: 0957.20
Equate: Course not offered at CHC.
Effective: Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID: **INSPEC 630**
Course Title: Aspects of Building and Safety
Hours: 48 - 54
Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester
Prerequisite: None.
Catalog Description: This noncredit course prepares students for the basic administrative functions of building and safety including: Title 25, Disabled access, staff roles, permit and plan checking, building inspection, and code enforcement.
Schedule Description: This noncredit course prepares students for the basic administrative functions of building and safety including: Title 25, Disabled access, staff roles, permit and plan checking, building inspection, and code enforcement.
Rationale: New noncredit course to act as a mirror course of INSPEC 031.
TOP Code: 0957.20
Equate: Course not offered at CHC.
Effective: Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID: **PHLB 600**
Course Title: Phlebotomy I: Introduction
Hours: 40
Lecture: 20 contact hour(s) per semester
Laboratory: 20 contact hour(s) per semester
Departmental Advisory: The California Department of Health Services requires that applicants for certification as a phlebotomist have a high school diploma or equivalent and the ability to obtain and process official documents in English.
Limitation on Enrollment: Prior to beginning of clinical laboratory component, requires evidence of current CPR certification and titers, and medical clearance from healthcare provider to be on file in the department office.
Catalog Description: This noncredit course provides theoretical and laboratory preparation for entry-level certification as a phlebotomy technician; includes overview of federal and state regulations governing clinical laboratories; focuses on vascular anatomy and physiology and performance of venipuncture and dermal puncture techniques, describes additional responsibilities of phlebotomy technicians as members of the health care team; requires demonstration of skill competency.
Schedule Description: This noncredit course provides theoretical and laboratory preparation for entry-level certification as a phlebotomy technician.
Rationale: Community college healthcare CTE programs are in demand as healthcare needs in the area grow by 2% per year. In addition, noncredit certificate programs are more accessible to the public.
TOP Code: 1205.10
Equate: Course not offered at CHC.
Effective: Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID: **PHLB 601**
Course Title: Phlebotomy II: Clinical Practicum
Hours: 60 - 64
Laboratory: 60 - 64 contact hour(s) per semester
Prerequisite: PHLB 600
Catalog Description: In this noncredit course students will be placed in a clinical setting in order to complete a minimum of 60 hours of clinical training. Students will complete a minimum of 10 skin punctures and 50 venipunctures that fulfill all sampling requirements as set forth by the CA Department of Health. Students must complete a minimum of 60 hours of verified, supervised field experience and meet the required competencies through actual on-the-job performance in order to receive a certificate of completion. The student will practice skills learned in PHLB 600.
Schedule Description: In this noncredit course students will be placed in a clinical setting in order to complete a minimum of 60 hours of clinical training.
Rationale: Community college healthcare CTE programs are in demand as healthcare needs in the area grow by 2% per year. In addition, non-credit certificate programs are more accessible to the public.
TOP Code: 1205.10
Equate: Course not offered at CHC.
Effective: Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**POLICE 095**
Course Title:	Force Option Simulator Instructor
Units:	1
Lecture:	10 contact hour(s) per semester
Laboratory:	30 contact hour(s) per semester
Outside of Class Hours:	20 contact hour(s) per semester
Prerequisite:	Completion of POLICE 002, 100, 101, 102, and 103 (POST Regular Basic Course) or CRMJUS 059, 060, and 061 (Modules I, II, and III).
Catalog Description:	This course is designed as a "train the trainer" class and meets all requirements for Peace Officer Standards and Training (POST) force options simulator instructor certification. This class will provide the trainer with an in-depth understanding of scenario-based training, increase their knowledge of federal and state laws governing use of force, and increase their knowledge of case laws and department policies regarding use of force.
Schedule Description:	This course is designed as a "train the trainer" class and meets all requirements for Peace Officer Standards and Training (POST) force options simulator instructor certification. This class will provide the trainer with an in-depth understanding of scenario-based training, increase their knowledge of federal and state laws governing use of force, and increase their knowledge of case laws and department policies regarding use of force.
Rationale:	This new course will be a given in partnership with the Sheriff's Academy.
TOP Code:	2105.00
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**POLICE 096**
Course Title:	Firearms Instructor Course
Units:	1
Lecture:	10 contact hour(s) per semester
Laboratory:	30 contact hour(s) per semester
Outside of Class Hours:	20 contact hour(s) per semester
Prerequisite:	Completion of POLICE 002, 100, 101, 102, and 103 (POST Regular Basic Course) or CRMJUS 059, 060, and 061 (Modules I, II, and III).
Catalog Description:	This course is designed to prepare the student with the fundamentals of teaching law enforcement firearms techniques to others and to create and administer a safe and quality firearms training program. Part of the training includes various shooting styles, updates, and instruction on the most effective contemporary techniques used in law enforcement today. How to diagnose shooting problems through target analysis, and how to properly correct the problems will be covered as well.
Schedule Description:	This course is designed to prepare the student with the fundamental of teaching law enforcement firearms techniques to others and to create and administer a safe and quality firearms training program. Part of the training include various shooting styles, updates, and instruction on the most effective contemporary techniques used in law enforcement today. How to diagnose shooting problems through target analysis, and how to properly correct the problems will be covered as well.

Rationale: This new course will be a given in partnership with the Sheriff's Academy. Students will obtain additional skills on firearms instruction.
TOP Code: 2105.00
Equate: Course not offered at CHC.
Effective: Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID: **PSYTCH 601**
Course Title: Psychiatric Technician Licensure Exam Preparation
Hours: 16 - 18
Lecture: 16 - 18 contact hour(s) per semester
Prerequisite: None
Catalog Description: This noncredit course prepares students that have completed or are nearing completion of the psychiatric technology program for the state administered licensing examination for psychiatric technicians. This course is also recommended for students who desire refresher training. Topics include, but are not limited to, nursing science – theory and techniques, basic nursing, developmental disabilities, medications, psychiatric mental health nursing. Also included are some basic test-taking techniques to increase proficiency on the state exam.
Schedule Description: This noncredit course prepares students for the multiple choice questions on the psychiatric technician licensing examination that require a sound knowledge base and application of critical thinking skills to scenarios typically encountered when providing care to patients with medical, developmental and psychiatric disabilities.
Rationale: Department felt the need to offer a noncredit option for students to improve in success rate of BVNPT pass rate.
TOP Code: 1239.00
Equate: Course not offered at CHC.
Effective: Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID: **WELD 645**
Course Title: Shielded Metal Arc Welding - Beginning
Hours: 112 - 126
Lecture: 16 - 18 contact hour(s) per semester
Laboratory: 96 - 108 contact hour(s) per semester
Prerequisite: None.
Catalog Description: This is a noncredit introductory course in the Shielded Metal Arc Welding (SMAW) process often referred to as stick welding or arc welding. Welding safety, equipment and joint construction on mild steel are stressed.
Schedule Description: This is a noncredit introductory course in the Shielded Metal Arc Welding (SMAW) process often referred to as stick welding or arc welding. Welding safety, equipment and joint construction on mild steel are stressed.
Rationale: Noncredit mirror course of WELD 045, will be included in the new Welding noncredit certificate.
TOP Code: 0956.50
Equate: Course not offered at CHC.
Effective: Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**WELD 646**
Course Title:	Shielded Metal Arc Welding - Intermediate
Hours:	160 - 180
Lecture:	16 - 18 contact hour(s) per semester
Laboratory:	144 - 162 contact hour(s) per semester
Prerequisite:	WELD 645
Catalog Description:	This is an intermediate noncredit course in the Shielded Metal Arc Welding (SMAW) process. Vertical and overhead groove welds and the lab portion of the structural weld certification for the City of Los Angeles are stressed.
Schedule Description:	This is an intermediate noncredit course in the Shielded Metal Arc Welding (SMAW) process. Vertical and overhead groove welds and the lab portion of the structural weld certification for the City of Los Angeles are stressed.
Rationale:	Noncredit mirror course of WELD 046, which will be included in the new Welding noncredit certificate.
TOP Code:	0956.50
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**WELD 660**
Course Title:	Fabrication and Layout - Beginning
Hours:	128 - 144
Lecture:	32 - 36 contact hour(s) per semester
Laboratory:	96 - 108 contact hour(s) per semester
Prerequisite:	None.
Catalog Description:	This noncredit course is designed to provide the training needed to read blueprints, create shop drawings, and fabricate and assemble parts.
Schedule Description:	This noncredit course is designed to provide the training needed to read blueprints, create shop drawings, and fabricate and assemble parts.
Rationale:	Creating this noncredit mirror course of WELD 060 to be added to the new Welding noncredit certificate.
TOP Code:	0956.50
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**WELD 666**
Course Title:	Preparation for Los Angeles City Welding Certification-Structural (AWS D1.1)
Hours:	48 - 54
Lecture:	48 - 54 contact hour(s) per semester
Prerequisite:	None.
Catalog Description:	This noncredit course prepares students for the written Structural Steel examination offered by the City of Los Angeles Department of Building and Safety (LADBS) with a focus on the American Welding Society (AWS) D1.1 structural welding code.
Schedule Description:	This noncredit course prepares students for the written Structural Steel examination offered by the City of Los Angeles Department of Building and Safety (LADBS) with a focus on the AWS D1.1.
Rationale:	Noncredit mirror course of WELD 066 to be added to the new Welding noncredit certificate.
TOP Code:	0956.50
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**WELD 680**
Course Title:	Gas Metal Arc Welding - Beginning
Hours:	112 - 126
Lecture:	16 - 18 contact hour(s) per semester
Laboratory:	96 - 108 contact hour(s) per semester
Prerequisite:	None.
Catalog Description:	This noncredit course introduces techniques and methods of Gas Metal Arc Welding (GMAW-S, GMAW Spray Transfer) in all positions and on various thicknesses of mild steel.
Schedule Description:	This noncredit course introduces techniques and methods of Gas Metal Arc Welding (GMAW-S, GMAW Spray Transfer) in all positions and on various thicknesses of mild steel.
Rationale:	This noncredit mirror course of WELD 080 will be added to the new Welding noncredit certificate.
TOP Code:	0956.50
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**WELD 681**
Course Title:	Gas Metal Arc Welding - Intermediate
Hours:	160 - 180
Lecture:	16 - 18 contact hour(s) per semester
Laboratory:	144 - 162 contact hour(s) per semester
Prerequisite:	WELD 680
Catalog Description:	This noncredit course is the study of intermediate techniques and methods of Gas Metal Arc Welding (GMAW) and Metal-Cored Arc Welding (MCAW) in all positions and on various thicknesses of mild steel and aluminum.
Schedule Description:	This noncredit course is the study of intermediate techniques and methods of Gas Metal Arc Welding (GMAW) and Metal-Cored Arc Welding (MCAW) in all positions and on various thicknesses of mild steel and aluminum.
Rationale:	New noncredit mirror course of WELD 081, which will be added to the new Welding noncredit certificate.
TOP Code:	0956.50
Equate:	Course not offered at CHC.
Effective:	Fall 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID:	**WELD 690**
Course Title:	Flux Cored Arc Welding-Gas Shielded
Hours:	160 - 180
Lecture:	16 - 18 contact hour(s) per semester
Laboratory:	144 - 162 contact hour(s) per semester
Prerequisite:	None.
Catalog Description:	This noncredit course introduces techniques and methods of Flux Cored Arc Welding- Gas shielded (FCAW-G) in all positions and on various thicknesses of carbon steel.
Schedule Description:	This noncredit course introduces techniques and methods of Flux Cored Arc Welding- Gas shielded (FCAW-G) in all positions and on various thicknesses of carbon steel.
Rationale:	New noncredit mirror course of WELD 090 to be added to the Welding noncredit certificate.
TOP Code:	0956.50
Equate:	Course not offered at CHC.
Effective:	Fall 2019

Curriculum Meeting: 11/26/18, 12/10/18
Conjoint Meeting: 12/12/18
Board of Trustees Meeting: January 10, 2019

NEW COURSE

Addition to the 2019-2020 College Catalog

Course ID: **WELD 691**
Course Title: Flux Cored Arc Welding - Self Shielded
Hours: 160 - 180
Lecture: 16 - 18 contact hour(s) per semester
Laboratory: 144 - 162 contact hour(s) per semester
Prerequisite: None.
Departmental Advisory: WELD 690
Catalog Description: This noncredit course introduces techniques and methods of Flux Cored Arc Welding- Self shielded (FCAW-S) in all positions and on various thicknesses of carbon steel.
Schedule Description: This noncredit course introduces techniques and methods of Flux Cored Arc Welding- Self shielded (FCAW-S) in all positions and on various thicknesses of carbon steel.
Rationale: New noncredit mirror course of WELD 091, which will be added to the Welding noncredit certificate.
TOP Code: 0956.50
Equate: Course not offered at CHC.
Effective: Fall 2019

MODIFY COURSE

Changes to the 2019-2020 College Catalog

COURSE ID	COURSE TITLE
AERO 098	AERONAUTICS WORK EXPERIENCE

Work Experience: 60 - 300 contact hour(s) per semester
Catalog Description: Supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 courses. See department for specific guidelines.
Schedule Description: Supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 courses. See department for specific guidelines.
Rationale: Updating course descriptions and hours.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
AUTOIN 012	ADVANCED CUSTOM AUTO INTERIORS

Departmental Advisory: None.
Rationale: Removing Departmental Advisory to align with noncredit mirror course.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
CHEM 101	INTRODUCTORY CHEMISTRY

Prerequisite: ENGL 101 or ENGL 101H or READ 100 and MATH 096 or eligibility for MATH 095 or higher as determined by the SBVC assessment process.
Rationale: Updating prerequisites, SLOs, course content, out of class assignments, and textbooks.
Equate: CHEM 101
Effective: Fall 2020

COURSE ID	COURSE TITLE
CHEM 105	INTRODUCTION TO GENERAL, ORGANIC AND BIOCHEMISTRY

Prerequisite: ENGL 101 or ENGL 101H or READ 100 and MATH 096 or eligibility for MATH 095 or higher as determined by the SBVC assessment process.
Rationale: Updating prerequisites.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CHEM 110	ENVIRONMENTAL AND CONSUMER CHEMISTRY

Prerequisite: ENGL 101 or ENGL 101H or READ 100
Rationale: Updating prerequisites, course objectives, course content, out of class assignments, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
GIS 098	GEOGRAPHIC INFORMATION SYSTEMS

Work Experience: 60 - 300 contact hour(s) per semester
Catalog Description: This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 courses. See department for specific guidelines.
Schedule Description: This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 courses. See department for specific guidelines.
Rationale: Updating course descriptions and hours.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
INSPEC 012B	FUNDAMENTALS OF CONSTRUCTION INSPECTION III: WOOD, STEEL, MASONRY

Course ID: **INSPEC 012**
Course Title: Fundamentals of Construction Inspection: Wood, Steel, Masonry
Departmental Advisory: None
Catalog Description: This course is a basic study of structures, including wood, steel, and masonry construction, building occupancies, construction and separations, acoustics and sound control (formerly INSPEC 012B).
Schedule Description: This course is a basic study of structures, including wood, steel, and masonry construction, building occupancies, construction and separations, acoustics and sound control (formerly INSPEC 012B).
Rationale: Content Review. Updating Course ID, descriptions, SLOs, course objectives, out of class assignments, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
INSPEC 013D	ADVANCED CONSTRUCTION INSPECTION: INTERNATIONAL BUILDING CODE (IBC)

Course ID: **INSPEC 013**
Departmental Advisory: None
Catalog Description: This course provides for inspectors a study of the International Building Code (IBC) including application, interpretation, and use of the code (formerly INSPEC 013D).
Schedule Description: This course provides for inspectors a study of the International Building Code (IBC) including application, interpretation, and use of the code (formerly INSPEC 013D).
Rationale: Content Review. Updating Course ID, descriptions, SLOs, course objectives, out of class assignments, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
INSPEC 014D	ADVANCED CONSTRUCTION INSPECTION: NATIONAL ELECTRICAL CODE (NEC)

Course ID: **INSPEC 014**
Departmental Advisory: None
Catalog Description: This course provides an understanding of the National Electrical Code and a study of its applications (formerly INSPEC 014D).
Schedule Description: This course provides an understanding of the National Electrical Code and a study of its applications (formerly INSPEC 014D).
Rationale: Content Review. Updating Course ID, descriptions, SLOs, course objectives, out of class assignments, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
INSPEC 015D	ADVANCED CONSTRUCTION INSPECTION: UNIFORM PLUMBING CODE (UPC)

Course ID: **INSPEC 015**
Departmental Advisory: None
Catalog Description: This course is a study, interpretation and application of the CA Plumbing Code (CPC) (Formerly INSPEC 015D).
Schedule Description: This course is a study, interpretation and application of the CA Plumbing Code (CPC) (Formerly INSPEC 015D).
Rationale: Content Review. Updating Course ID, descriptions, SLOs, course objectives, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
INSPEC 016D	ADVANCED CONSTRUCTION INSPECTION: UNIFORM MECHANICAL CODE (UMC)

Course ID: **INSPEC 016**
Departmental Advisory: None
Catalog Description: This course is a study of the requirements for the design, construction, installation and maintenance of heating, ventilating, cooling, refrigeration systems, incinerators and other heat-producing appliances required by the CA Mechanical Code (CMC) (formerly INSPEC 016D).
Schedule Description: This course is a study of the requirements for the design, construction, installation and maintenance of heating, ventilating, cooling, refrigeration systems, incinerators and other heat-producing appliances required by the CA Mechanical Code (CMC) (formerly INSPEC 016D).
Rationale: Content Review. Updating Course ID, descriptions, SLOs, course objectives, out of class assignments, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
INSPEC 017D	CALIFORNIA STATE ENERGY REGULATIONS FOR RESIDENTIAL BUILDINGS

Course ID: **INSPEC 017**
Catalog Description: This course is a study of the basic compliance requirements of the California Title 24 Energy Efficiency Standards for residential buildings and the 2016 CA Green Building Standards Code. It includes prescriptive and performance methods such as alternative packages and computer models (formerly INPSEC 017D).
Schedule Description: This course is a study of the basic compliance requirements of the California Title 24 Energy Efficiency Standards for residential buildings and the 2016 CA Green Building Standards Code. It includes prescriptive and performance methods such as alternative packages and computer models (formerly INPSEC 017D).
Rationale: Content Review. Updating Course ID, descriptions, SLOs, course objectives, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
INSPEC 018D	CALIFORNIA STATE ENERGY REGULATIONS FOR NON-RESIDENTIAL BUILDINGS

Course ID: **INSPEC 018**
Departmental Advisory: None
Catalog Description: This course studies basic compliance with California Title 24 Energy Efficiency Standards for non-residential buildings and CA Green Building Standards Code. It includes prescriptive and performance methods such as alternative packages and computer models (formerly INPSEC 018D).
Schedule Description: This course studies basic compliance with California Title 24 Energy Efficiency Standards for non-residential buildings and CA Green Building Standards Code. It includes prescriptive and performance methods such as alternative packages and computer models (formerly INSPEC 018D).
Rationale: Content Review. Updating Course ID, descriptions, SLOs, course objectives, course content, out of class assignments, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
INSPEC 026D	NON-STRUCTURAL PLAN REVIEW

Course ID: **INSPEC 026**
Departmental Advisory: None
Catalog Description: This course provides training in the application of the CA Codes to construction drawings, including legal requirements for non-structural plan review, local, State, and Federal laws applicable to construction drawings, and the use of plan reviews as a first step in performing consistent and thorough inspections (formerly INSPEC 026D).
Schedule Description: This course provides training in the application of the CA Codes to construction drawings (formerly INSPEC 026D).
Rationale: Content Review. Updating Course ID, descriptions, SLOs, course objectives, course content, out of class assignments, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
PS 101	INTRODUCTION TO PHYSICAL SCIENCE

Prerequisite: ENGL 101 or ENGL 101H or READ 100
Rationale: Content Review. Updating prerequisites, SLOs, and out of class assignments.
Equate: Course not offered at CHC.
Effective: Fall 2020

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

Prerequisite: ENGL 101 or ENGL 101H or READ 100
Rationale: Content Review. Updating prerequisites, course objectives, SLOs, and out of class assignments, and textbooks.
Equate: Course not offered at CHC.

Effective: Fall 2020

COURSE ID	COURSE TITLE
WELD 010	INTRODUCTION TO WELDING

Catalog Description: This is an introductory course for students in any field that utilizes welding processes. Emphasis will be on Welding Safety, Thermal cutting, Gas Metal Arc Welding, and Shielded Metal Arc Welding in flat and horizontal positions.
Schedule Description: This is an introductory course for students in any field that utilizes welding processes. Emphasis will be on Welding Safety, Thermal cutting, Gas Metal Arc Welding and Shielded Metal Arc Welding in flat and horizontal positions.
Rationale: Content Review. Updating course descriptions, SLOs, course objectives, course content, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 012	OXY-ACETYLENE WELDING

Course Title: Oxy-Fuel Welding
Catalog Description: This course provides entry-level training in oxy-acetylene welding, oxy-fuel cutting and oxy-fuel brazing.
Schedule Description: This course provides entry-level training in oxy-acetylene welding, oxy fuel cutting and oxy-fuel brazing.
Rationale: Content Review. Updating title, course descriptions, SLOs, course objectives, course content, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 015	GAS TUNGSTEN ARC WELDING - BEGINNING

Catalog Description: This is an introductory course in the Gas Tungsten Arc Welding (GTAW) or Tungsten Inert Gas (TIG) welding process. Welding safety, equipment, and joint construction on mild steel are stressed.
Schedule Description: This is an introductory course in the Gas Tungsten Arc Welding (GTAW) or Tungsten Inert Gas (TIG) welding process. Welding safety, equipment, and joint construction on mild steel are stressed.
Rationale: Content Review. Updating course descriptions, SLOs, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 016	GAS TUNGSTEN ARC WELDING - INTERMEDIATE

Catalog Description: This is an intermediate level course in the Gas Tungsten Arc Welding (GTAW) process that focuses on carbon steel, stainless steel, and aluminum. Welding safety, equipment, basic welding-joint design, expansion, contraction, and residual stress in welding of metals are also covered.
Schedule Description: This is an intermediate level course in the Gas Tungsten Arc Welding (GTAW) process that focuses on carbon steel, stainless steel, and aluminum. Welding safety, equipment, basic welding-joint design, expansion, contraction, and residual stress in welding of metals are also covered.
Rationale: Content Review. Updating course descriptions, SLOs, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 017	GAS TUNGSTEN ARC WELDING - ADVANCED

Catalog Description: This is an advanced course in GTAW that introduces basic theory and application of pipe welding. Pipe weld-joint design, pre-weld fit up, basic metallurgy, weld symbols, and related codes and standards are emphasized. This course develops gas tungsten arc welding skills on pipe in 1G, 2G, 5G, and 6G as well as welding safety, equipment, basic welding-joint design, expansion, contraction, and residual stress in welding of metals.
Schedule Description: This is an advanced course in GTAW that introduces basic theory and application of pipe welding. Pipe weld-joint design, pre-weld fit up, basic metallurgy, weld symbols, and related codes and standards are emphasized. This course develops gas tungsten arc welding skills on pipe in 1G, 2G, 5G, and 6G as well as welding safety, equipment, basic welding-joint design, expansion, contraction, and residual stress in welding of metals.
Rationale: Content Review. Updating course descriptions, SLOs, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 027	INSPECTION OF WELDS: DESTRUCTIVE TESTS

Course Title: Inspection of Welds: Destructive Testing
Departmental Advisory: READ 015 or eligibility for READ 100 as determined by the SBVC assessment process and TECALC 087.
Catalog Description: This course covers basic metallurgy and destructive tests commonly used to determine the physical properties of a weld. Destructive tests include: bend tests, nick break tests, tensile tests, hardness tests, fatigue tests, and impact tests.
Schedule Description: This course covers basic metallurgy and destructive tests commonly used to determine the physical properties of a weld.
Rationale: Content Review. Updating title, departmental advisories, course descriptions, SLOs, objectives, content, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 028	INSPECTION OF WELDS: NON-DESTRUCTIVE EXAMINATION

Departmental Advisory: READ 015 or eligibility for READ 100 as determined by the SBVC assessment process and TECALC 087.
Catalog Description: This course covers non-destructive examination techniques used to determine the soundness of welds and their fitness for service. It includes visual examination, dye penetrant testing, magnetic particle testing, and ultrasonic testing.
Schedule Description: This course covers non-destructive examination techniques used to determine the soundness of welds and their fitness for service.
Rationale: Content Review. Updating course descriptions, SLOs, objectives, content, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 045	BEGINNING SHIELDED METAL ARC WELDING (SMAW)

Course Title: Shielded Metal Arc Welding - Beginning
Catalog Description: This is an introductory course in the Shielded Metal Arc Welding (SMAW) process often referred to as stick welding or arc welding. Welding safety, equipment and joint construction on mild steel are stressed.
Schedule Description: This is an introductory course in the Shielded Metal Arc Welding (SMAW) process often referred to as stick welding or arc welding. Welding safety, equipment and joint construction on mild steel are stressed.
Rationale: Content Review. Updating title, course descriptions, SLOs, objectives, content, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 046	INTERMEDIATE SHIELDED METAL ARC WELDING (SMAW)

Course Title: Shielded Metal Arc Welding - Intermediate
Catalog Description: This is an intermediate course in the Shielded Metal Arc Welding (SMAW) process. Vertical and overhead groove welds and the lab portion of the structural weld certification for the City of Los Angeles are stressed.
Schedule Description: This is an intermediate course in the Shielded Metal Arc Welding (SMAW) process. Vertical and overhead groove welds and the lab portion of the structural weld certification for the City of Los Angeles are stressed.
Rationale: Content Review. Updating title, course descriptions, SLOs, objectives, content, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 047	POWER PLANT AND FIELD PIPE WELDING I

Course Title: Preparation for Shielded Metal Arc Welding (SMAW) Pipe
Departmental Advisory: READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.
Catalog Description: This is an advanced course in the Shielded Metal Arc Welding (SMAW) process that prepares students for pipe welding. Emphasis will be on open root groove welds in all positions. Root passes will be welded with E6010 and fill/covers with E7018.
Schedule Description: This is an advanced course in the Shielded Metal Arc Welding (SMAW) process that prepares students for pipe welding.
Rationale: Content Review. Updating title, departmental advisories, course descriptions, SLOs, objectives, content, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 048	POWER PLANT AND FIELD PIPE WELDING II

Course Title: Shielded Metal Arc Welding (SMAW) - Pipe
Catalog Description: This is an advanced course covering Shielded Metal Arc Welding (SMAW) on pipe. American Welding Society (AWS) and American Petroleum Institute (API) standards will be covered. Focus will be on 5G and 6G welding positions.
Schedule Description: This is an advanced course covering Shielded Metal Arc Welding (SMAW) on pipe. American Welding Society (AWS) and American Petroleum Institute (API) standards will be covered. Focus will be on 5G and 6G welding positions.
Rationale: Content Review. Updating title, course descriptions, SLOs, objectives, content, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 060	LAYOUT FITTER I

Course Title: Fabrication and Layout - Beginning
Catalog Description: This course is designed to provide the training needed to read blueprints, create shop drawings, and fabricate and assemble parts.
Schedule Description: This course is designed to provide the training needed to read blueprints, create shop drawings, and fabricate and assemble parts.
Rationale: Content Review. Updating title, course descriptions, SLOs, objectives, content, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 065	WELDING INSPECTION VISUAL

Course Title: Welding Inspection Visual - AWS-CWI
Departmental Advisory: WELD 028 and READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.
Catalog Description: This course is designed to prepare students for the Certified Welding Inspector (CWI) examination offered by the American Welding Society (AWS). Focus is placed on visual inspection, terms and definitions, welding symbols, welding processes, welding procedures, code specifications, materials and their limitations, weld testing, record keeping, report preparations, certifications, and responsibilities of a CWI.
Schedule Description: This course is designed to prepare students for the Certified Welding Inspector (CWI) examination offered by the American Welding Society (AWS).
Rationale: Content Review. Updating title, departmental advisories, course descriptions, SLOs, objectives, content, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 066	PREPARATION FOR LOS ANGELES CITY WELDING CERTIFICATION

Course Title: Preparation for Los Angeles City Welding Certification-Structural (AWS D1.1)
Corequisite: WELD 046
Departmental Advisory: READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.
Catalog Description: This course prepares students for the written Structural Steel examination offered by the City of Los Angeles Department of Building and Safety (LADBS) with a focus on the American Welding Society (AWS) D1.1 structural welding code.
Schedule Description: This course prepares students for the written Structural Steel examination offered by the City of Los Angeles Department of Building and Safety (LADBS) with a focus on the AWS D1.1.
Rationale: Content Review. Updating title, advisories, course descriptions, SLOs, objectives, content, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 067	STRUCTURAL STEEL SPECIAL INSPECTION (ICBO)

Course Title: Structural Steel Special Inspection (ICC)
Departmental Advisory: READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.
Catalog Description: This course is designed to prepare students for the structural steel special inspection examinations offered by the International Code Council (ICC). Topics include a review of the technical aspects on inspection and quality control in the area of structural steel, welding preparation, materials applications, plan reading, related codes, and report writing.
Schedule Description: This course is designed to prepare students for the structural steel special inspection examinations offered by the International Code Council (ICC).

Rationale: Content Review. Updating title, advisories, course descriptions, SLOs, objectives, content, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 068	LOS ANGELES CITY REINFORCING STEEL AND STRUCTURAL SHEET STEEL (LIGHT GUAGE)

Course Title: Preparation for Los Angeles City Welder Certification - Reinforced Steel and Light Gauge Steel
Prerequisite: WELD 066
Catalog Description: This class prepares students for the City of Los Angeles Department of Building and Safety (LADBS) Reinforced Steel and Light Gauge Steel written and performance qualification examinations with emphasis on the American Welding Society (AWS) D1.3 and AWS D1.4 Welding Codes.
Schedule Description: This class prepares students for the City of Los Angeles Department of Building and Safety (LADBS) Reinforced Steel and Light Gauge Steel written and performance qualification examinations with emphasis on the AWS D1.3 and AWS D1.4 Welding Codes.
Rationale: Content Review. Updating title, advisories, course descriptions, SLOs, objectives, content, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 080	GAS METAL ARC WELDING - BEGINNING

Catalog Description: This course introduces techniques and methods of Gas Metal Arc Welding (GMAW-S, GMAW Spray Transfer) in all positions and on various thicknesses of mild steel.
Schedule Description: This course introduces techniques and methods of Gas Metal Arc Welding (GMAW-S, GMAW Spray Transfer) in all positions and on various thicknesses of mild steel.
Rationale: Content Review. Updating course descriptions, SLOs, objectives, content, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 081	GAS METAL ARC WELDING - INTERMEDIATE

Catalog Description: This is the study of intermediate techniques and methods of Gas Metal Arc Welding (GMAW) and Metal-Cored Arc Welding (MCAW) in all positions and on various thicknesses of mild steel and aluminum.
Schedule Description: This is the study of intermediate techniques and methods of Gas Metal Arc Welding (GMAW) and Metal-Cored Arc Welding (MCAW) in all positions and on various thicknesses of mild steel and aluminum.
Rationale: Content Review. Updating course descriptions, SLOs, objectives, content, and textbooks.
Equate: Course not offered at CHC.

Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 082	GAS METAL ARC WELDING - ADVANCED

Catalog Description: This is an advanced course in Gas Metal Arc Welding (GMAW) that introduces basic theory and application of pipe welding. Pipe weld-joint design, pre-weld fit up, basic metallurgy, weld symbols, and related codes and standards are emphasized. The course develops Gas Metal Arc Welding (GMAW) skills on pipe in 1G, 2G, 5G, and 6G as well as welding safety, equipment, basic welding-joint design, expansion, contraction, and residual stress in welding of metals.
Schedule Description: This is an advanced course in Gas Metal Arc Welding (GMAW) that introduces basic theory and application of pipe welding. Pipe weld-joint design, pre-weld fit up, basic metallurgy, weld symbols, and related codes and standards are emphasized. The course develops Gas Metal Arc Welding (GMAW) skills on pipe in 1G, 2G, 5G, and 6G as well as welding safety, equipment, basic welding-joint design, expansion, contraction, and residual stress in welding of metals.
Rationale: Content Review. Updating course descriptions, SLOs, objectives, content, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 090	FLUX CORED ARC WELDING - GAS SHIELDED

Catalog Description: This course introduces techniques and methods of Flux Cored Arc Welding- Gas shielded (FCAW-G) in all positions and on various thicknesses of carbon steel.
Schedule Description: This course introduces techniques and methods of Flux Cored Arc Welding- Gas shielded (FCAW-G) in all positions and on various thicknesses of carbon steel.
Rationale: Content Review. Updating course descriptions, SLOs, objectives, content, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 091	FLUX CORED ARC WELDING - SELF SHIELDED

Catalog Description: This course introduces techniques and methods of Flux Cored Arc Welding- Self shielded (FCAW-S) in all positions and on various thicknesses of carbon steel.
Schedule Description: This course introduces techniques and methods of Flux Cored Arc Welding- Self shielded (FCAW-S) in all positions and on various thicknesses of carbon steel.
Rationale: Content Review. Updating course descriptions, SLOs, objectives, content, and textbooks.
Equate: Course not offered at CHC.
Effective: Fall 2019

COURSE ID	COURSE TITLE
WELD 092	FLUX CORED ARC WELDING - ADVANCED

Prerequisite: WELD 090 or WELD 091

Catalog Description: This is an advanced course in Flux Cored Arc Welding (FCAW) that introduces basic theory and application of pipe welding. Pipe weld-joint design, pre-weld fit up, basic metallurgy, weld symbols, and related codes and standards are emphasized. The course develops Flux Cored Arc Welding skills on pipe in 1G, 2G, 5G, and 6G as well as welding safety, equipment, basic welding-joint design, expansion, contraction, and residual stress in welding of metals.

Schedule Description: This is an advanced course in Flux Cored Arc Welding (FCAW) that introduces basic theory and application of pipe welding. Pipe weld-joint design, pre-weld fit up, basic metallurgy, weld symbols, and related codes and standards are emphasized. The course develops Flux Cored Arc Welding skills on pipe in 1G, 2G, 5G, and 6G as well as welding safety, equipment, basic welding-joint design, expansion, contraction, and residual stress in welding of metals.

Rationale: Content Review. Updating advisories, course descriptions, SLOs, objectives, content, and textbooks.

Equate: Course not offered at CHC.

Effective: Fall 2019

DISTANCE EDUCATION

ACCT 010	ACCT 030	ACCT 047	ACCT 090
ART 102	ART 102H	CHEM 110	CIT 010
CIT 045	CIT 048	ENGL 086	ENGL 087
ENGL 101	ENGL 101H	HEALTH 103	KIN 200
LIB 070	LIB 071	LIB 073	LIB 110
MATH 096	MATH 102	MATH 103	MATH 108
MATH 115	MATH 141	MATH 601	POLIT 140
PS 101	READ 015	READ 100	READ 102
READ 620	SPAN 102	SPAN 102H	SPAN 103
SPAN 103H	SPAN 104	SPAN 157	SPAN 158

Rationale: **100% ONLINE**

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.

Effective: Fall 2019

ADMINISTRATIVE APPROVALS

ADJUS 101	ADJUS 102	ADJUS 103	ADJUS 104
ADJUS 105	ADJUS 106	ADJUS 107	ADJUS 108
ANTHRO 100	ANTHRO 102	ANTHRO 106	ANTHRO 106H
ANTHRO 106L	ANTHRO 108	ANTHRO 109	ANTHRO 110
ANTHRO 222	CD 060	CD 061	CD 068
CD 075	CD 100	CD 101	CD 105
CD 105H	CD 108	CD 111	CD 113
CD 114	CD 115	CD 126	CD 127
CD 130	CD 133	CD 134	CD 136
CD 137	CD 138	CD 185	CD 186
CD 205	CD 210	CD 215	CD 244
CD 245	CD 270	CD 271	CD 272
CIT 101	CIT 102	CIT 116	CIT 232
CORREC 101	CORREC 102	CORREC 103	CORREC 104
CORREC 105	CORREC 106	HUMSV 147	HUMSV 170
LIB 070	LIB 110	PHIL 101	PHIL 101H
PHIL 103	PHIL 105	PHIL 112	PHIL 180
RELIG 100	RELIG 100H	RELIG 101	RELIG 110
RELIG 135	RELIG 150	RELIG 180	PSYCH 100
PSYCH 100H	PSYCH 102	PSYCH 110	PSYCH 111
PSYCH 112	PSYCH 118	PSYCH 141	PSYCH 201
SOC 100	SOC 110	SOC 120	SOC 130
SOC 135	SOC 141	SOC 145	SOC 150
WELD 027	WELD 028	WELD 047	WELD 066

Departmental Advisory: READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.

Rationale: A memo was submitted by Kimberly Jefferson to Dr. Terri Long with signatures from all Department Chairs wishing to add READ 100 as a departmental advisory. Dr. Long will administratively approve these changes be added to CurricUNET, be sent to the Board of Trustees and the State Chancellor's Office, and be added to Colleague. The Curriculum Committee voted on October 10, 2018 to approve these changes.

Effective: Fall 2019

NEW CERTIFICATE

AUTOMOTIVE INTERIORS NONCREDIT CERTIFICATE

This noncredit certificate is designed to prepare students for entry-level work/employment as an auto interiors technician.

REQUIRED COURSES:		Hours
AUTO 620	Non-Structural Body Repair	128 - 144
AUTOIN 610	Basic Auto Upholstery	128 - 144
AUTOIN 612	Advanced Custom Auto Interiors	128 - 144
AUTOST 610	Beginning Street Rod Construction	96 - 108
Total Hours		**480 - 540**

Rationale: This noncredit certificate was requested by the Auto collision Advisory Committee and the collision industry.
Effective: Fall 2019

NEW CERTIFICATE

INSPECTION TECHNOLOGY NONCREDIT CERTIFICATE

This noncredit certificate is designed to prepare students for entry-level employment in construction inspection, International Code Council (ICC) certification examinations, and understanding of construction, alteration, or repair of buildings. Students will develop the skills to ensure compliance with building codes and ordinances, zoning regulations, and contract specifications. Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

REQUIRED COURSES:		Hours
INSPEC 611	Fundamentals of Construction Inspection: Soils and Concrete	48 - 54
INSPEC 612	Fundamentals of Construction Inspection: Wood, Steel, Masonry	48 - 54
INSPEC 613	Advanced Construction Inspection: International Building Code (IBC)	48 - 54
INSPEC 614	Advanced Construction Inspection: National Electrical Code (NEC)	48 - 54
INSPEC 615	Advanced Construction Inspection: Uniform Plumbing Code (UPC)	48 - 54
INSPEC 616	Advanced Construction Inspection: Uniform Mechanical Code (UMC)	48 - 54
INSPEC 617	California State Energy Regulations for Residential Buildings	48 - 54
INSPEC 618	California State Energy Regulations for Non-residential Buildings	48 - 54
INSPEC 626	Non-Structural Plan Review	48 - 54
INSPEC 627	Structural Plan Review	48 - 54
INSPEC 628	California Residential Code	48 - 54
INSPEC 629	Community Relations for Building Personnel	48 - 54
INSPEC 630	Aspects of Building and Safety	48 - 54
Total Hours		**624 - 702**

Rationale: Noncredit mirror certificate of Inspection Technology certificate.
Effective: Fall 2019

NEW CERTIFICATE

PHLEBOTOMY NONCREDIT CERTIFICATE

This one semester noncredit certificate in Phlebotomy is designed for students wishing to become Phlebotomy Technicians. This program prepares students to pass the national exam necessary to apply for the California CPT 1 license. In order for students to receive a certificate of completion, they must successfully complete PHLB 600 and PHLB 601.

REQUIRED COURSES:		**Hours**
PHLB 600	Phlebotomy I: Introduction	40
PHLB 601	Phlebotomy II: Clinical Practicum	60 - 64
Total Hours		**100 - 104**

Rationale: Currently there are no local community colleges that offer a noncredit phlebotomy certificate. This will be the first noncredit certificate in the area, which will help with the 2% job growth in the Inland Empire.

Effective: Fall 2019

NEW CERTIFICATE

STREET ROD CONSTRUCTION NONCREDIT CERTIFICATE

This noncredit certificate is designed to prepare students for entry level work as a street rod builder apprentice or related areas of the auto related industry.

REQUIRED COURSES:		**Hours**
AUTOST 610	Beginning Street Rod Construction	96 - 108
AUTORS 610	Basic Vehicle Restoration	128 - 144
AUTO 620	Non-Structural Body Repair	128 - 144
Total Hours		**352 - 396**

Rationale: This noncredit certificate was requested by the Auto collision Advisory Committee and the collision industry.

Effective: Fall 2019

NEW CERTIFICATE

WELDING JOB READINESS NONCREDIT CERTIFICATE

This noncredit certificate is designed to complement the credit degree and certificates in the welding technology program by providing continuing education and practice for anyone in the welding industry. Focus is on Industry recognized welding certifications with the Shielded Metal Arc Welding (SMAW), Flux Cored Arc Welding (FCAW) and Gas Metal Arc Welding (GMAW) processes

REQUIRED COURSES:		**Hours**
WELD 645	Shielded Metal Arc Welding-Beginning	112 - 126
WELD 646	Shielded Metal Arc Welding-Intermediate	160 - 180
WELD 660	Fabrication and Layout-Beginning	128 - 144
WELD 666	Preparation for Los Angeles City Welding Certification-Structural (AWS D1.1)	48 - 54
WELD 680	Gas Metal Arc Welding-Beginning	112 - 126
WELD 681	Gas Metal Arc Welding-Intermediate	160 - 180
WELD 690	Flux Cored Arc Welding-Gas Shielded	160 - 180
WELD 691	Flux Cored Arc Welding-Self Shielded	160 - 180
Total Hours		**1040 - 1170**

Rationale: New noncredit Welding Job Readiness Certificate, which is a complement to the degrees and certificates currently offered in the Welding Department.
Effective: Fall 2019

MODIFY CERTIFICATE

FLUX CORED ARC WELDING (FCAW) CERTIFICATE

This certificate is designed to provide students with training in Flux Cored Arc Welding (FCAW-G and FCAW-S). This is the semi-automatic welding process often used to replace Shielded Metal Arc Welding (SMAW) in many industrial applications. Industry certifications are stressed.

Required Courses:		**Units**
WELD 010	Introduction to Welding	2
WELD 090	Flux Cored Arc Welding-Gas Shielded	4
WELD 091	Flux Cored Arc Welding-Self Shielded	4
WELD 092	Flux Cored Arc Welding-Advanced	3
Total Units		**13**

Rationale: Content Review.
Effective: Fall 2019

MODIFY CERTIFICATE

GAS METAL ARC WELDING (GMAW) CERTIFICATE

This certificate is designed to provide students with training in Gas Metal Arc Welding (GMAW). Metals will include Steel and Aluminum. Industry Certifications for both plate and pipe will be stressed.

Required Courses:		**Units**
WELD 010	Introduction to Welding	2
WELD 080	Gas Metal Arc Welding - Beginning	3
WELD 081	Gas Metal Arc Welding-Intermediate	4
WELD 082	Gas Metal Arc Welding-Advanced	3
Total Units		**12**

Rationale: Content Review.
Effective: Fall 2019

MODIFY CERTIFICATE

GAS TUNGSTEN ARC WELDING (GTAW) CERTIFICATE

This certificate is designed to provide students with training in Gas Tungsten Arc Welding (GTAW). GTAW is commonly known as TIG (Tungsten Inert Gas Welding). Students will work with Steel, Stainless Steel and Aluminum in both plate and pipe applications. Industry Certifications are stressed.

Required Courses:		**Units**
WELD 012	Oxy-Fuel Welding	2
WELD 015	Gas Tungsten Arc Welding-Beginning	3
WELD 016	Gas Tungsten Arc Welding-Intermediate	4
WELD 017	Gas Tungsten Arc Welding-Advanced	3
Total Units		**12**

Rationale: Content Review, updating WELD 012 title.
Effective: Fall 2019

MODIFY CERTIFICATE

INSPECTION TECHNOLOGY CERTIFICATE

This certificate is designed to prepare students for entry-level employment in construction inspection, International Code Council (ICC) certification examinations, and understanding of construction, alteration, or repair of buildings. Students will develop the skills to ensure compliance with building codes and ordinances, zoning regulations, and contract specifications. Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

REQUIRED COURSES:		**Units**
INSPEC 011	Fundamentals of Construction Inspection: Soils and Concrete	3
INSPEC 012	Fundamentals of Construction Inspection: Wood, Steel, Masonry	3
INSPEC 013	Advanced Construction Inspection: International Building Code (IBC)	3
INSPEC 014	Advanced Construction Inspection: National Electrical Code (NEC)	3
INSPEC 015	Advanced Construction Inspection: Uniform Plumbing Code (UPC)	3
INSPEC 016	Advanced Construction Inspection: Uniform Mechanical Code (UMC)	3
INSPEC 017	California State Energy Regulations for Residential Buildings	3
INSPEC 018	California State Energy Regulations for Non-residential Buildings	3
INSPEC 026	Non-Structural Plan Review	3
INSPEC 027	Structural Plan Review	3
INSPEC 028	California Residential Code	3
INSPEC 029	Community Relations for Building Personnel	3
INSPEC 030	Aspects of Building and Safety	3
Total Units		**39**

This is a Gainful Employment Program

Rationale: Updating course IDs and titles.
Effective: Fall 2019

MODIFY CERTIFICATE

PIPE WELDING CERTIFICATE

This certificate will give students an introduction into pipe welding with all of the four major welding processes used in the industry. These include SMAW, GMAW, FCAW-G, FCAW-S, and GTAW.

Required Courses:		**Units**
WELD 017	Gas Tungsten Arc Welding-Advanced	3
WELD 047	Preparation for Shielded Metal Arc Welding (SMAW) Pipe	3
WELD 048	Shielded Metal Arc Welding (SMAW) - Pipe	4
WELD 082	Gas Metal Arc Welding-Advanced	3
WELD 092	Flux Cored Arc Welding-Advanced	3
Total Units		**16**

This is a Gainful Employment Program

Rationale: Content Review, updating titles.
Effective: Fall 2019

MODIFY CERTIFICATE

SHIELDED METAL ARC WELDING (SMAW) CERTIFICATE

This certificate is designed to train students in the use of Shielded Metal Arc Welding (SMAW) often known as Arc or Stick Welding. Electrode identification, welding symbols, and joint design are stressed. Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

Students must complete ALL the REQUIRED COURSES plus pass the SMAW Welding Certification either through the City of San Bernardino or Los Angeles. The practical welding certification test for both cities is administered by SBVC Welding Department.

REQUIRED COURSES:		**Units**
WELD 012	Oxy-Fuel Welding	2
WELD 045	Shielded Metal Arc Welding-Beginning	3
WELD 046	Shielded Metal Arc Welding-Intermediate	4
WELD 066	Preparation for Los Angeles City Welding Certification-Structural (AWS D1.1)	3
Total Units		**12**

Students completing all course work but not finishing the SMAW Certification may proceed to the next certificate. In order to be awarded the certificate, both course work and certification must be completed.

Rationale: Content Review, updating titles.
Effective: Fall 2019

MODIFY CERTIFICATE

WELDING INSPECTION TECHNOLOGY CERTIFICATE

This certificate is designed to prepare students for the American Welding Society (AWS) and/or International Code Council (ICC) Welding Inspector examinations.

REQUIRED COURSES:		**Units**
WELD 010	Introduction to Welding	2
WELD 027	Inspection of Welds: Destructive Testing	3
WELD 028	Inspection of Welds: Non-Destructive Examination	3
WELD 045	Shielded Metal Arc Welding-Beginning	3
WELD 060	Fabrication and Layout-Beginning	4
WELD 065	Welding Inspection Visual-AWS-CWI	4
WELD 067	Structural Steel Special Inspection (ICC)	2
Total Units		**21**

This is a Gainful Employment Program

Rationale: Content Review, updating titles.
Effective: Fall 2019

MODIFY CERTIFICATE

WELDING TECHNOLOGY CERTIFICATE

This certificate is designed to provide students with an understanding of the terminology, concepts, procedures and skills used in the welding field to equip them with the fundamental skills necessary for entry- and intermediate-level employment as a combination welder.

REQUIRED COURSES:		**Units**
WELD 010	Introduction to Welding	2
WELD 012	Oxy-Fuel Welding	2
WELD 015	Gas Tungsten Arc Welding-Beginning	3
WELD 016	Gas Tungsten Arc Welding-Intermediate	4
WELD 027	Inspection of Welds: Destructive Testing	3
	or	
WELD 028	Inspection of Welds: Non-Destructive Examination	3
WELD 045	Shielded Metal Arc Welding-Beginning	3
WELD 046	Shielded Metal Arc Welding-Intermediate	4
WELD 060	Fabrication and Layout-Beginning	4
WELD 066	Preparation for Los Angeles City Welding Certification-Structural (AWS D1.1)	3
WELD 080	Gas Metal Arc Welding - Beginning	3
WELD 081	Gas Metal Arc Welding-Intermediate	4
WELD 090	Flux Cored Arc Welding-Gas Shielded	4
WELD 091	Flux Cored Arc Welding-Self Shielded	4
TECALC 087	Technical Calculations	4
Total Units		**47**

This is a Gainful Employment Program

Rationale: Content Review, updating titles.
Effective: Fall 2019

MODIFY DEGREE

INSPECTION TECHNOLOGY ASSOCIATE OF SCIENCE DEGREE

This degree is designed to prepare students for entry-level employment in construction inspection, International Code Council (ICC) certification examinations, and understanding of construction, alteration, or repair of buildings. Students will develop the skills to ensure compliance with building codes and ordinances, zoning regulations, and contract specifications. To graduate with a specialization in Inspection Technology, students must complete the following required courses for the certificate plus the general breadth requirements for the Associate of Science Degree (minimum total = 60 units).

REQUIRED COURSES:		**Units**
INSPEC 011	Fundamentals of Construction Inspection: Soils and Concrete	3
INSPEC 012	Fundamentals of Construction Inspection: Wood, Steel, Masonry	3
INSPEC 013	Advanced Construction Inspection: International Building Code (IBC)	3
INSPEC 014	Advanced Construction Inspection: National Electrical Code (NEC)	3
INSPEC 015	Advanced Construction Inspection: Uniform Plumbing Code (UPC)	3
INSPEC 016	Advanced Construction Inspection: Uniform Mechanical Code (UMC)	3
INSPEC 017	California State Energy Regulations for Residential Buildings	3
INSPEC 018	California State Energy Regulations for Non-residential Buildings	3
INSPEC 026	Non-Structural Plan Review	3
INSPEC 027	Structural Plan Review	3
INSPEC 028	California Residential Code	3
INSPEC 029	Community Relations for Building Personnel	3
INSPEC 030	Aspects of Building and Safety	3
Total Units		**39**

Rationale: Updating course IDs and titles.
Effective: Fall 2019

MODIFY DEGREE

WELDING TECHNOLOGY A.S. DEGREE MAJOR

This degree is designed to provide students with an understanding of the terminology, concepts, procedures and skills used in the welding field to equip them with the fundamental skills necessary for entry- and intermediate-level employment as a combination welder. To graduate with a specialization in Welding Technology, students must complete the following required courses for the certificate plus the general breadth requirements for the Associate of Science Degree (minimum total = 60 units)

REQUIRED COURSES:		**Units**
WELD 010	Introduction to Welding	2
WELD 012	Oxy-Fuel Welding	2
WELD 015	Gas Tungsten Arc Welding-Beginning	3
WELD 016	Gas Tungsten Arc Welding-Intermediate	4
WELD 027	Inspection of Welds: Destructive Testing	3
	or	
WELD 028	Inspection of Welds: Non-Destructive Examination	3
WELD 045	Shielded Metal Arc Welding-Beginning	3
WELD 046	Shielded Metal Arc Welding-Intermediate	4
WELD 060	Fabrication and Layout-Beginning	4
WELD 066	Preparation for Los Angeles City Welding Certification-Structural (AWS D1.1)	3
WELD 080	Gas Metal Arc Welding - Beginning	3
WELD 081	Gas Metal Arc Welding-Intermediate	4
WELD 090	Flux Cored Arc Welding-Gas Shielded	4
WELD 091	Flux Cored Arc Welding-Self Shielded	4

TECALC 087	Technical Calculations	4
Total Units		**47**

Rationale: Content Review, updating titles.
Effective: Fall 2019

CORRECTION

PREVENTATIVE MAINTENANCE TECHNICIAN CERTIFICATE

This certificate is designed to prepare students for employment as technicians performing entry-level preventative maintenance and minor repairs. Typical duties include new car preparation, vehicle inspections and assisting master technicians.

Required Courses:		**Units**
AUTO 050	Automotive Brakes	4
AUTO 052	Automotive Suspension and Steering	4
AUTO 064	Auto/Truck Electrical Systems	4
	or	
DIESEL 064	Auto/Truck Electrical Systems	4
AUTO 065	Electrical Systems Diagnosis and Repair	5
AUTO 084	General Automotive Technology	4
Students must choose one of the following:		**Units**
TECALC 087	Technical Calculations	4
	or	
MATH 942	Arithmetic	3
	or	
Eligibility for MATH 952 as determined by the SBVC assessment process		0
Total Units		**24 - 25**

Rationale: The State Chancellor's Office has recommended that we correct units from 21-25 to 24-25.
Previous Board Approval: November 9, 2017
Effective: Fall 2019