

SAN BERNARDINO COMMUNITY COLLEGE DISTRICT

TO: Board of Trustees
FROM: Bruce Baron, Chancellor
REVIEWED BY: Diana Rodriguez, President, SBVC
PREPARED BY: Henry Hua, Interim Vice President, Instruction, SBVC
DATE: January 19, 2017
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 2017-2018 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 19, 2017**

NEW DISCIPLINE

Baking: The baking program is currently under Culinary Arts however needs to be its own program. While the program is connected to culinary, it is different skill base than culinary. Baking requires science and precision, while culinary does take skill and knowledge it does not have to be based on science. The Strong Workforce Development Grant has set up metrics that must be followed one of the areas we must follow is enrollment. If the baking program is not a stand-alone program we will not be able to track the students in the baking courses and will not meet the metrics, and the funding will be pulled from the program. The state would like to track each student from high school through college and into their careers in the near future. A stand-alone Baking Program would be essential for that to happen accurately. In order to find out if we are filling the gap within the gap analysis we have completed for this program we need to be able to count students that have completed the baking courses and gone out into the field this concept also supports a stand-alone Baking program.

Effective: Fall 2017

CONTENT REVIEW

No Changes to the College Catalog

COMMST 100	COMMST 100H	COMMST 176	ENGL 070
ENGL 270	MUS 123	MUS 130	MUS 133
MUS 150x4	MUS 159x4		

Rationale: Content Review
Effective: Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID: AERO 015
Course Title: Nano Composite Technology
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 course is an introduction to Nano Composite Structures including the manufacturing, uniqueness, strength and repair methods in the aviation field and any related fields using composites technology.
Schedule Description: This course is an introduction to Nano Composite Structures including the manufacturing, uniqueness, strength and repair methods in the aviation field and any related fields using composites technology.
Rationale: Composite training program can enable our AMT school or students to meet or exceed FAR Part 147 concerning composite training. With our program, you will be able to provide a student with solid entry level skills in performing repairs to advanced composite structures
TOP Code: 0950.00
Equate: Course not offered at CHC.
Effective: Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID: AERO 021
Course Title: Aviation Fundamentals
Units: 3
Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester
Prerequisite: None.
Catalog Description: This course is an introduction to the basic principles of aeronautics, aircraft structure and operations including space, rocketry and aeronautical occupations.
Schedule Description: This course is an introduction to the basic principles of aeronautics, aircraft structure and operations including space, rocketry and aeronautical occupations.
Rationale: This Class will be open to anyone who wants a career in aviation, electronics, and piloting.
TOP Code: 3020.20
Equate: Course not offered at CHC.
Effective: Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID: AERO 024
Course Title: Aircraft Powerplants
Units: 3
Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester
Prerequisite: None.
Catalog Description: This course is designed to familiarize the student with the operating principles and construction highlights of both reciprocating and jet aircraft engines including: internal combustion engines, jet propulsion engines, aircraft fuels and fuel systems, electrical and ignition systems, lubricants and lubrication systems, propellers, engine instrument and control systems, engine inspection, operation and troubleshooting.
Schedule Description: This course is designed to familiarize the student with the operating principles and construction highlights of both reciprocating and jet aircraft engines.
Rationale: We have recently begun development of a partnership with World Wide Wings LLC international flight school based at San Bernardino Airport. They desire their professional pilot students to complete an Associate Degree so they will be more valuable to their prospective employers and be more hire able.
TOP Code: 3020.20
Equate: Course not offered at CHC.
Effective: Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID: AERO 025
Course Title: Flight Safety
Units: 2
Lecture: 2 contact hour(s) per week
Prerequisite: None.
Catalog Description: This course is an in-depth study of flight safety including: organizations contributing to flight safety, Pilot and passenger responsibilities, emergency radio

procedures, pilot resources, ground safety, mid-air collisions, weather and night flight hazards and precautions, emergency procedures, medical factors, human factors, and crash investigation and liability.

Schedule Description: This course is an in-depth study of flight safety including organizations contributing to flight safety, emergency procedures, medical and human factors, crash investigation and liability.

Rationale: We have recently begun development of a partnership with World Wide Wings LLC international flight school based at San Bernardino Airport. They desire their professional pilot students to complete an Associate Degree so they will be more valuable to their prospective employers and be more hire able.

TOP Code: 3020.20

Equate: Course not offered at CHC.

Effective: Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID: AERO 026

Course Title: Airframe Structures

Units: 3

Lecture: 3 contact hour(s) per week

Prerequisite: None.

Catalog Description: This course is designed to familiarize the aviator or prospective pilot with the fundamentals of aircraft design and construction including: aircraft structural components, fundamentals of aerodynamics and flight, materials and hardware, ice and rain protection, hydraulic and pneumatic systems, landing gear systems, fire protection systems, electrical systems, instrument systems, weight and balance control, and blue print reading.

Schedule Description: This course is designed to familiarize the student with design and construction, principles of aerodynamics and flight and aircraft systems and components.

Rationale: We have recently begun development of a partnership with World Wide Wings LLC international flight school based at San Bernardino Airport. They desire their professional pilot students to complete an Associate Degree so they will be more valuable to their prospective employers and be more hire able.

TOP Code: 3020.20

Equate: Course not offered at CHC.

Effective: Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID: AERO 027

Course Title: Airport Certification and Operations

Units: 2

Lecture: 2 contact hour(s) per week

32 - 36 contact hours per semester

Prerequisite: None.

Catalog Description: This course covers airport certification and operations including applicability, definitions, certificate requirements, and process, Airport Certification Manual(ACM), record keeping, personnel requirements, markings, signs, and lighting, airport emergency plan, wildlife hazard management, and unmanned aerospace vehicles (UAV)(drones) issues.

Schedule Description: This course covers airport certification and operations including certification requirements and process, Airport Certification Manual (ACM), airport emergency plan, and wildlife hazard management.

Rationale: The college has recently developed a partnership with World Wide Wings international, Based at San Bernardino Airport. They desire to have their professional pilot students complete an Associate Degree in Flight Operations and Management so they will more hire able and more valuable to their prospective employers.

TOP Code: 3020.20
Equate: Course not offered at CHC.
Effective: Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID: AERO 034
Course Title: Civil Aviation Management and Laws
Units: 3
Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester
Prerequisite: None.
Catalog Description: This course covers the history of civil aviation in the United States including: federal legislation on civil aviation, international treaties and agreements relevant to civil aviation, and regulations pertaining to the management of airports, air carriers, general aviation, international air transport, and the air cargo industry.

Schedule Description: This course covers the history of civil aviation in the United States including: federal legislation on civil aviation, international treaties and agreements relevant to civil aviation, and regulations pertaining to the management of airports and the different categories of airplane companies.

Rationale: We have recently begun development of a partnership with World Wide Wings LLC international flight school based at San Bernardino Airport. They desire their professional pilot students to complete an Associate Degree so they will be more valuable to their prospective employers and be more hire able.

TOP Code: 3020.20
Equate: Course not offered at CHC.
Effective: Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID: AERO 040
Course Title: Instrument Ground School
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 examines the fundamentals of instrument flight in the Air Traffic Control (ATC) system and factors that can affect the operation including aerodynamics, navigation, flight planning, and communication. The subject matter is reinforced by flying various procedures in flight simulators. This course can be used as a method to meet the Federal Aviation Administration (FAA)

Schedule Description:	requirements for the ground instruction portion of a Biennial Flight Review (BFR) as specified in Federal Aviation Regulations (FAR) 61.56. This course examines the fundamentals of instrument flight in the Air Traffic Control (ATC) system and factors that can affect the operation including aerodynamics, navigation, flight planning, and communication. The subject matter is reinforced by flying various procedures in flight simulators. This course can be used as a method to meet the Federal Aviation Administration (FAA) requirements for the ground instruction portion of a Biennial Flight Review (BFR) as specified in Federal Aviation Regulations (FAR) 61.56.
Rationale:	We have recently begun development of a partnership with World Wide Wings LLC international flight school based at San Bernardino Airport. They desire their professional pilot students to complete an Associate Degree so they will be more valuable to their prospective employers and be more hire able.
TOP Code:	3020.20
Equate:	Course not offered at CHC.
Effective:	Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID:	AERO 046
Course Title:	Aviation Weather
Units:	3
Lecture:	3 contact hour(s) per week
Prerequisite:	None.
Catalog Description:	This course covers the aspects of weather as they relate to aircraft operation and safety. Includes: Basic and hazardous weather, atmospheric winds, pressure systems as associated with weather, cloud formation, air masses and fronts, thunder storms, turbulence and icing, fog, haze and smoke, high altitude, arctic and tropical weather, interpretation of weather reports, forecast, charts and maps.
Schedule Description:	This course covers the aspects of weather as they relate to aircraft operation and flight safety. Includes basic and hazardous weather and interpretation of weather reports, forecast, charts, and maps.
Rationale:	We have recently begun development of a partnership with World Wide Wings LLC international flight school based at San Bernardino Airport. They desire their professional pilot students to complete an Associate Degree so they will be more valuable to their prospective employers and be more hire able.
TOP Code:	3020.20
Equate:	Course not offered at CHC.
Effective:	Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID:	CULART 180
Course Title:	Small Business and Catering Management
Units:	5.5
Lecture:	5.5 contact hour(s) per week 88 - 99 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 covers catering and banquet techniques for serving 25 to 100 people. It includes developing a small business that will work with clients to develop an

Schedule Description:	event, including customizing a menu and calculating staffing needs for preparation, cooking, transporting, setting up, serving and cleaning up. This course also caters to event planning. This course covers catering and banquet techniques for serving 25 to 100 people. It includes developing a small business that will work with clients to develop an event, including customizing a menu and calculating staffing needs for preparation, cooking, transporting, setting up, serving and cleaning up. This course also caters to event planning.
Rationale:	The culinary department is aligning curriculum to the new one year degree and certificate course.
TOP Code:	1306.30
Equate:	Course not offered at CHC.
Effective:	Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID:	CULART 280
Course Title:	Principles of Food and Beverage Management
Units:	3
Lecture:	3 contact hour(s) per week 48 - 54 contact hours per semester
Departmental Advisory:	ENGL 015 or eligibility for ENGL101 or ENGL 101H as determined by the SBVC assessment process.
Catalog Description:	In this course the students learn principles of menu planning, sales mix, and standardization of recipes, food costing and establishing quality standards. It prepares the students to manage or own a food and beverage establishment.
Schedule Description:	In this course the students learn principles of menu planning, sales mix, and standardization of recipes, food costing and establishing quality standards. It prepares the students to manage or own a food and beverage establishment.
Rationale:	The culinary program is changing the program to a one year program with course changes to the program as per trends with in the industry.
TOP Code:	1307.10
Equate:	Course not offered at CHC.
Effective:	Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID:	ENGL 615
Course Title:	Preparation and Remediation for English 015
Units:	0
Lecture:	18 contact hour(s) per semester
Prerequisite:	None.
Catalog Description:	This non-credit course is designed to equip students with skills that they can use to be better prepared for the English 015 course and the common final. The primary areas of focus are on the development of reading and test taking skills and strategies, in addition to strategies to effectively address the components of the English 015 common final. This course is a supplement to English 015 and does not serve as a prerequisite for English 101.
Schedule Description:	This non-credit course is designed to equip students with skills that they can use to be better prepared for the English 015 course and the common final. The primary areas of focus are on the development of reading and test taking skills

and strategies, in addition to strategies to effectively address the components of the English 015 common final.

Rationale: There is a need for a course that provides students who are in or who have taken English 015 with additional practice in understanding the expectations of the English 015 course and common final.

TOP Code: 1501.00

Equate: Course not offered at CHC.

Effective: Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID: **MUS 162x4**

Course Title: Wind Ensemble

Units: 1

Lecture: 0.5 contact hour(s) per week
8 - 9 contact hours per semester

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

Departmental Advisory: ENGL 015 or eligibility for ENGL 015 as determined by SBVC assessment process.

Catalog Description: This course is for the study, rehearsal, and public performance of musical literature, with an emphasis on the development of skills needed to perform within an ensemble and be emulated by future teachers. This group is the premier classical instrumental ensemble featuring wind, brass, and percussion instruments. An audition with the director is mandatory for participation in this ensemble. Public performances are mandatory.

Schedule Description: This course is for the study, rehearsal, and public performance of musical literature, with an emphasis on the development of skills needed to perform within an ensemble and be emulated by future teachers. This group is the premier classical instrumental ensemble featuring wind, brass, and percussion instruments. An audition with the director is mandatory for participation in this ensemble. Public performances are mandatory.

Rationale: A course of study focusing on instrumental music performance is a Music-ADT Supporting Course, which is not available at this time.

TOP Code: 1002.00

Equate: Course not offered at CHC.

Effective: Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID: **MUS 166x4**

Course Title: Concert Band

Units: 1

Lecture: 0.5 contact hour(s) per week
8 - 9 contact hours per semester

Laboratory: 1.5 contact hour(s) per week
24 - 27 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 is for the study, rehearsal, and public performance of musical literature, with an emphasis on the development of skills needed to both perform

Schedule Description: within an ensemble, and be emulated by future teachers. This group features wind, brass, and percussion instruments; and will rehearse and perform standard band literature. No audition is necessary for participation in this ensemble. This course is for the study, rehearsal, and public performance of musical literature, with an emphasis on the development of skills needed to both perform within an ensemble, and be emulated by future teachers. This group features wind, brass, and percussion instruments; and will rehearse and perform standard band literature. No audition is necessary for participation in this ensemble.

Rationale: A course of study focusing on instrumental music performance is a Music-ADT Supporting Course, which is not available at this time.

TOP Code: 1004.00

Equate: Course not offered at CHC.

Effective: Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID: WST 075

Course Title: Water/Wastewater Chemistry and Analysis

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: WST 072 or WST 092

Catalog Description: This course introduces students to the physical and chemical properties of substances commonly used in the treatment of water/wastewater and the role of laboratory analysis in the treatment processes. The course includes procedures and techniques used by plant operators in physical, chemical, and bacteriological examination of water/wastewater. Formally WST-074.

Schedule Description: This course introduces students to the physical and chemical properties of substances commonly used in the treatment of water/wastewater and the role of laboratory analysis in the treatment processes. The course includes procedures and techniques used by plant operators in physical, chemical, and bacteriological examination of water/wastewater. Formally WST-074.

Rationale: There is an increasing demand for advanced course offerings in Water Supply Technology (WST). The course was formally numbered WST-074 but has been renumbered WST-075 to reflect the changes in pre-requisite courses, update of the course content to include water/wastewater chemistry, and increased number of units from three to four.

TOP Code: 0958.00

Equate: Course not offered at CHC.

Effective: Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID: WST 603

Course Title: Test Review for Water Distribution Operations D3

Units: 0

Lecture: 8 contact hour(s) per semester

Prerequisite: None.

Catalog Description: This non-credit course is a review of the expected Range of Knowledge (ROK) required to obtain the State Water Resources Control Board (SWRCB) Distribution Operator certification at the Distribution Operator III level. The review topics include distribution system operations, disinfection, related mathematics, and safety.

Schedule Description: This non-credit course is a review of the expected Range of Knowledge (ROK) required to obtain the State Water Resources Control Board (SWRCB) Distribution Operator certification at the Distribution Operator III level. The review topics include distribution system operations, disinfection, related mathematics, and safety.

Rationale: There is an increasing demand for advanced course offerings in Water Supply Technology (WST). This course is designed to prepare students for higher level state certification examinations and qualify for more responsible positions within the water industry.

TOP Code: 0958.00
Equate: Course not offered at CHC.
Effective: Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID: **WST 612**
Course Title: Test Review for Water Treatment T2
Units: 0
Lecture: 8 contact hour(s) per semester
Prerequisite: None.
Catalog Description: This noncredit course is a review of the expected Range of Knowledge (ROK) required to obtain the State Water Resources Control Board (SWRCB) Water Treatment Operator II certification. The review topics include conventional treatment techniques, source water supply and storage, water quality regulation and related math.

Schedule Description: This noncredit course is a review of the expected Range of Knowledge (ROK) required to obtain the State Water Resources Control Board (SWRCB) Water Treatment Operator II certification. The review topics include conventional treatment techniques, source water supply and storage, water quality regulation and related math.

Rationale: There is an increasing demand for advanced course offerings in Water Supply Technology (WST). This course is designed to prepare students for higher level state certification examinations and qualify for more responsible positions within the water industry.

TOP Code: 0958.00
Equate: Course not offered at CHC.
Effective: Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID: **WST 625**
Course Title: Test Review for Wastewater Treatment Plant Operations Grades One and Two
Units: 0
Lecture: 8 contact hour(s) per semester
Prerequisite: None.

Catalog Description:	This noncredit course is a review of the expected knowledge for a minimally competent Wastewater Treatment Plant Operator as determined by State Water Resources Control Board (SWRCB) treatment operator certification at the Grades I and II level. The review topics include wastewater treatment operations, disinfection, related mathematics, and safety.
Schedule Description:	This noncredit course is a review of the expected knowledge for a minimally competent Wastewater Treatment Plant Operator as determined by State Water Resources Control Board (SWRCB) treatment operator certification at the Grades I and II level. The review topics include wastewater treatment operations, disinfection, related mathematics, and safety.
Rationale:	There is an increasing demand for advanced course offerings in Water Supply Technology (WST). This course is designed to prepare students for higher level state certification examinations and qualify for more responsible positions within the water industry.
TOP Code:	0958.00
Equate:	Course not offered at CHC.
Effective:	Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID:	WST 626
Course Title:	Test Review for Wastewater Treatment Plant Operations Grades Three, Four and Five
Units:	0
Lecture:	8 contact hour(s) per semester
Prerequisite:	None.
Catalog Description:	This noncredit course is a review of the expected knowledge for a minimally competent Wastewater Treatment Plant Operator as determined by State Water Resources Control Board (SWRCB) treatment operator certification at the Grades III, IV and V level. The review topics include wastewater treatment operations, administration, process control, regulations, disinfection, related mathematics, and safety.
Schedule Description:	This noncredit course is a review of the expected knowledge for a minimally competent Wastewater Treatment Plant Operator as determined by State Water Resources Control Board (SWRCB) treatment operator certification at the Grades III, IV and V level. The review topics include wastewater treatment operations, administration, process control, regulations, disinfection, related mathematics, and safety.
Rationale:	There is an increasing demand for advanced course offerings in Water Supply Technology (WST). This course is designed to prepare students for higher level state certification examinations and qualify for more responsible positions within the water industry.
TOP Code:	0958.00
Equate:	Course not offered at CHC.
Effective:	Fall 2017

NEW COURSE

To be added to the 2017-2018 College Catalog pending State Approval

Course ID: **WST 629**
Course Title: Introduction to Water Supply Technology
Units: 0
Lecture: 8 contact hour(s) per week
Prerequisite: None.
Catalog Description: This noncredit course introduces students to entry-level training in water conservation, treatment, supply, delivery, and waste collection systems. The goal of this course is to offer students better defined opportunities for career selection in the field of water technology. Regulations-licensing and the certification process will be discussed as a part of this course.
Schedule Description: This noncredit course introduces students to entry-level training in water conservation, treatment, supply, delivery, and waste collection systems. The goal of this course is to offer students better defined opportunities for career selection in the field of water technology. Regulations-licensing and the certification process will be discussed as a part of this course.
Rationale: There is an increasing demand for advanced course offerings in Water Supply Technology (WST). This course offers students an introduction to the world of water supply, delivery, treatment, and collection. It also exposes students to the various opportunities available to an individual with an associate degree in water technology.
TOP Code: 0958.00
Equate: Course not offered at CHC.
Effective: Fall 2017

MODIFY COURSE

Changes to the 2017-2018 College Catalog

COURSE ID	COURSE TITLE
AERO 122	PRIVATE PILOT GROUND SCHOOL

Course ID: **AERO 022**
Catalog Description: This course offers complete preparation for the Federal Aviation Administration (FAA) private pilot written examination including aerodynamics, weight and balance, airports and airspace, meteorology, using aviation services, flight information publications, federal air regulations, navigation, radio navigation aids, cross-country flight planning, physiology of flight, and airborne emergencies.
Rationale: We have recently begun development of a partnership with World Wide Wings LLC international flight school based at San Bernardino Airport. They desire their professional pilot students to complete an Associate Degree so they will be more valuable to their prospective employers and be more hire able.
TOP Code: 3020.20
Equate: Course not offered at CHC.
Effective: Fall 2017

COURSE ID	COURSE TITLE
AUTOIN 010	BASIC AUTO UPHOLSTERY

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

Catalog Description: This 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 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: Collision and Refinishing Advisory committee requests re-emplementing Auto Interior courses.

TOP Code: 0948.00

Equate: Course not offered at CHC.

Effective: Fall 2017

COURSE ID	COURSE TITLE
AUTOIN 012	ADVANCED CUSTOM AUTO UPHOLSTERY

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

Departmental Advisory: AUTOIN 010

Catalog Description: This 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 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: Collision and refinishing advisory committee requests re-implementing auto interior courses and introducing a certificate for entry-level employment.

TOP Code: 0948.00

Equate: Course not offered at CHC.

Effective: Fall 2017

COURSE ID	COURSE TITLE
CULART 010	CULINARY ARTS INTERNSHIP I

Course Title: Restaurant Service and Catering I

Rationale: The culinary arts program is changing the program to a one year program and making the necessary changes to the program.

TOP Code: 1306.30

Equate: Course not offered at CHC.

Effective: Fall 2017

COURSE ID	COURSE TITLE
CULART 011	CULINARY ARTS INTERNSHIP II

Course Title: Restaurant Service and Catering II
Rationale: The culinary arts program is realigning its courses to adapt a one year culinary arts degree certificate program.
TOP Code: 1306.30
Equate: Course not offered at CHC.
Effective: Fall 2017

COURSE ID	COURSE TITLE
CULART 101	INTRODUCTION TO CULINARY ARTS

Course Title: Hospitality and Customer Service
Rationale: Changing name of course to align with new program and articulation.
TOP Code: 1306.30
Equate: Course not offered at CHC.
Effective: Fall 2017

COURSE ID	COURSE TITLE
CULART 160	INTRODUCTION TO FOODS

Laboratory: 9 contact hour(s) per week
 144 - 162 contact hours per semester
Rationale: The culinary program is being updated. Some of the courses are changing content.
TOP Code: 1306.30
Equate: Course not offered at CHC.
Effective: Fall 2017

COURSE ID	COURSE TITLE
CULART 161	QUANTITY FOOD PREPARATION

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
Rationale: The culinary program is creating a new program and some of the courses are being modified or changing.
TOP Code: 1306.30
Equate: Course not offered at CHC.
Effective: Fall 2017

COURSE ID	COURSE TITLE
CULART 201	CULINARY AND HOSPITALITY MANAGEMENT

Course Title: Management of Human Resources in Hospitality
Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process.

Rationale: Department is changing the name for the ease of articulation with the UC and CSU systems.
TOP Code: 1306.30
Equate: Course not offered at CHC.
Effective: Fall 2017

COURSE ID	COURSE TITLE
CULART 225	SANITATION AND SAFETY

Units: 1
Lecture: 1 contact hour(s) per week
 16 - 18 contact hours per semester
Rationale: Pre-requisites are not working for the program. The department chair is working on making the program fluid for the students in order for the students to graduate on time as well as transfer.
TOP Code: 1307.10
Equate: Course not offered at CHC.
Effective: Fall 2017

COURSE ID	COURSE TITLE
ENGL 071	ENGLISH LITERATURE: 18TH CENTURY TO PRESENT

Catalog Description: This course surveys English literature to the last quarter of the 18th Century including coverage of all significant literary types in the development of English literature from the Middle Ages to the late 18th century.
Schedule Description: This course surveys English literature to the last quarter of the 18th Century including coverage of all significant literary types in the development of English literature from the Middle Ages to the late 18th century.
Rationale: Content Review. Updating course and schedule descriptions.
TOP Code: 1501.00
Equate: Course not offered at CHC.
Effective: Fall 2017

COURSE ID	COURSE TITLE
ENGL 271	ENGLISH LITERATURE: 18TH CENTURY TO PRESENT

Prerequisite: ENGL 101 or ENGL 101H
Catalog Description: This course surveys English literature from the late 18th Century to the present including coverage of all significant literary types.
Schedule Description: This course surveys English literature from the late 18th Century to the present including coverage of all significant literary types.
Rationale: Content review, plus some updating to better conform with C-ID (though is currently already approved).
TOP Code: 1501.00
Equate: ENGL 271
Effective: Fall 2017

COURSE ID	COURSE TITLE
MUS 107	MUSIC OF THE WORLD

Catalog Description: This course is a survey of traditional and folk music of the Americas, Europe, Near-Middle-Far East and sub-Saharan Africa. The course includes live and filmed performances and introduces students to the instrumental and vocal techniques, musical structures and performance contexts within selected cultures of these areas. The impact of western influences on these cultures and their music is also discussed in this course.

Schedule Description: This course is a survey of traditional and folk music of the Americas, Europe, Near-Middle-Far East and sub-Saharan Africa. This course introduces students to the instrumental and vocal techniques, musical structures and performance context within selected cultures of these areas.

Rationale: Content Review. Updated textbooks.
TOP Code: 1004.00
Equate: Course not offered at CHC.
Effective: Fall 2017

COURSE ID	COURSE TITLE
MUS 121	MUSIC HISTORY AND LITERATURE – MIDDLE AGES TO BAROQUE

Catalog Description: This course provides an overview of the historical development of music from the Middle Ages through the Baroque Period. Emphasis is placed on appreciation of musical form, and the role of music in a multicultural society relative to historical events.

Schedule Description: This course provides an overview of the historical development of music from the Middle Ages through the Baroque Period. Emphasis is placed on appreciation of musical form, and the role of music in a multicultural society relative to historical events.

Rationale: Content Review.
TOP Code: 1004.00
Equate: MUSIC 120
Effective: Fall 2017

COURSE ID	COURSE TITLE
MUS 121H	MUSIC HISTORY AND LITERATURE - MIDDLE AGES TO BAROQUE - HONORS

Catalog Description: This course provides an overview of the historical development of music from the Middle Ages through the Baroque Period. Emphasis is placed on appreciation of musical form, and the role of music in a multicultural society relative to historical events. **This course is intended for students in the Honors Program, but is open to all students who desire more challenging course work.**

Schedule Description: This course provides an overview of the historical development of music from the Middle Ages through the Baroque Period. Emphasis is placed on appreciation of musical form, and the role of music in a multicultural society relative to historical events. **This course is intended for students in the Honors Program, but is open to all students who desire more challenging course work.**

Rationale: Content Review.
TOP Code: 1004.00
Equate: MUSIC 120H

Effective: Fall 2017

COURSE ID	COURSE TITLE
MUS 122	MUSIC HISTORY AND LITERATURE - CLASSIC TO CONTEMPORARY

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

Catalog Description: This course provides an overview of the historical development of music from Classicism to the present. Emphasis is placed on appreciation of musical form, and the role of music in a multicultural society relative to political and artistic events.

Schedule Description: This course provides an overview of the historical development of music from Classicism to the present. Emphasis is placed on appreciation of musical form, and the role of music in a multicultural society relative to political and artistic events.

Rationale: Content Review.

TOP Code: 1004.00

Equate: Course not offered at CHC.

Effective: Fall 2017

COURSE ID	COURSE TITLE
MUS 122H	MUSIC HISTORY AND LITERATURE - CLASSIC TO CONTEMPORARY - HONORS

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

Catalog Description: This course provides an overview of the historical development of music from Classicism to the present. Emphasis is placed on appreciation of musical form, and the role of music in a multicultural society relative to political and artistic events. **This course is intended for students in the Honors Program, but is open to all students who desire more challenging course work.**

Schedule Description: This course provides an overview of the historical development of music from Classicism to the present. Emphasis is placed on appreciation of musical form, and the role of music in a multicultural society relative to political and artistic events. **This course is intended for students in the Honors Program, but is open to all students who desire more challenging course work.**

Rationale: Content Review.

TOP Code: 1004.00

Equate: Course not offered at CHC.

Effective: Fall 2017

COURSE ID	COURSE TITLE
MUS 124	ELECTRONIC MUSIC II

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

Rationale: Content Review.

TOP Code: 1004.00

Equate: Course not offered at CHC.

Effective: Fall 2017

COURSE ID	COURSE TITLE
MUS 131	INTERMEDIATE VOICE

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by SBVC assessment process.
Rationale: Content Review
TOP Code: 1004.00
Equate: Course not offered at CHC.
Effective: Fall 2017

COURSE ID	COURSE TITLE
MUS 135	ADVANCED PIANO

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by SBVC assessment process.
Rationale: Content Review.
TOP Code: 1004.00
Equate: MUSIC 135
Effective: Fall 2017

COURSE ID	COURSE TITLE
MUS 153x4	CHAMBER CHORALE

Departmental Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by SBVC assessment process.
Rationale: Content Review.
TOP Code: 1004.00
Equate: Course not offered at CHC.
Effective: Fall 2017

COURSE ID	COURSE TITLE
MUS 210	CONDUCTING

Prerequisite: MUS 102 or MUS 102L
Rationale: Content Review.
TOP Code: 1004.00
Equate: Course not offered at CHC.
Effective: Fall 2017

COURSE ID	COURSE TITLE
MUS 222	INDEPENDENT STUDY IN MUSIC

Departmental Advisory: ENGL 015 ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by SBVC assessment process.
Rationale: Content Review.
TOP Code: 1004.00
Equate: Course not offered at CHC.
Effective: Fall 2017

COURSE ID	COURSE TITLE
MUS 241x2	APPLIED MUSIC II

Units: 0.5
Laboratory: 1.5 contact hour(s) per week
 24 - 27 contact hours per semester
Catalog Description: Students receive credit for a minimum of one-half hour of weekly private instruction on a musical instrument or voice. Daily laboratory practice, concert and ensemble participation are required. The course is open to all students in the college, with enrollment priority given to music majors.
Schedule Description: Students receive credit for a minimum of one-half hour of weekly private instruction on a musical instrument or voice. Daily laboratory practice, concert and ensemble participation are required. The course is open to all students in the college, with enrollment priority given to music majors.
Rationale: Content Review.
TOP Code: 1004.00
Equate: Course not offered at CHC.
Effective: Fall 2017

COURSE ID	COURSE TITLE
SOC 120	MEDICAL SOCIOLOGY

Course Title: Health and Social Justice
Catalog Description: This course is an examination of health and illness in society. There is an emphasis on the social inequalities that stem from unequal living conditions, and social stratification which impact disproportionate health outcomes, health epidemics, and policy development. Organization of the medical system, healthcare access, public health issues, and advocacy related trends and strategies will be studied.
Schedule Description: This course is an examination of health and illness in society. There is an emphasis on the social inequalities that stem from unequal living conditions, and social stratification which impact disproportionate health outcomes, health epidemics, and policy development. Organization of the medical system, healthcare access, public health issues, and advocacy related trends and strategies will be studied.
Rationale: This course is being modified to align it with the TMC - Public Health course titled: PHS 102 Health and Social Justice. This modified course can then be included in the new Public Health AA-T degree.
TOP Code: 2208.00
Equate: Course not offered at CHC.
Effective: Fall 2017

COURSE ID	COURSE TITLE
WELD 015	BEGINNING GAS TUNGSTEN ARC WELDING (GTAW)

Units: 3
Laboratory: 6 contact hour(s) per week
 96 - 108 contact hours per semester
Prerequisite: WELD 012

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. This course partially fulfills American Welding Society SENSE Level 1 – Entry Welder Certification Modules 1, 2, 3, and 7: GTAW.

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. This course partially fulfills American Welding Society SENSE Level 1 – Entry Welder Certification Modules 1, 2, 3, and 7: GTAW.

Rationale: Correlate with National Certification Standard - American Welding Society SENSE Level 1 – Entry Welder Certification. The department decided add content regarding AWS Sense to align with national standards, which required the unit increase.

TOP Code: 0956.50
Equate: Course not offered at CHC.
Effective: Fall 2017

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

Units: 4
Laboratory: 9 contact hour(s) per week
 144 - 162 contact hours per semester

Catalog Description: This course is a continuation of training and development skills for shielded metal arc welding in all positions including vertical and overhead. This course fulfills American Welding Society SENSE Level 1 – Entry Welder Certification Modules 1, 2, 3, and 4: SMAW.

Schedule Description: This course is a continuation of training and development skills for shielded metal arc welding in all positions including vertical and overhead. This course fulfills American Welding Society SENSE Level 1 – Entry Welder Certification Modules 1, 2, 3, and 4: SMAW.

Rationale: Correlate with National Certification Standard - American Welding Society SENSE Level 1 – Entry Welder Certification

TOP Code: 0956.50
Equate: Course not offered at CHC.
Effective: Fall 2017

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

Units: 4
Laboratory: 9 contact hour(s) per week
 144 - 162 contact hours per semester

Departmental Advisory: TECALC 087

Catalog Description: This is the second course of a two course sequence which prepares students in Shielded Metal Arc Welding (SMAW) for pipe welding to American Welding Society (AWS) and American Petroleum Institute (API) standards. Upon completion of this course, students will be prepared for an entry-level position in the power plant and field pipe welding industry. Other topics include shop safety, oxy-acetylene cutting, air carbon arc cutting, shielded metal arc welding and pipe

welding. Partial fulfillment of AWS SENSE Level 2 - Advanced Welder Certification.

Schedule Description: This course prepares students in SMAW for pipe welding to AWS and API standards. Upon completion of this course, students will be prepared to take the API 6G Pipe Certification Test and for an entry-level position in oil/power industry. Partial fulfillment of AWS SENSE Level 2 - Advanced Welder Certification.

Rationale: Correlates with National Standard Certification - AWS SENSE Level 2 - Advanced Welder

TOP Code: 0956.50

Equate: Course not offered at CHC.

Effective: Fall 2017

COURSE ID	COURSE TITLE
WELD 060	LAYOUT FITTER

Course Title: Layout Fitter I

Units: 4

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: WELD 010

Catalog Description: This course is designed to provide the training needed to read blueprints, fabricate parts to be assembled, and tack weld the parts together. Fulfills American Welding Society SENSE Level 1 - Entry Welder, 3.2.1.3 Module 3: Drawing and Welding Symbol Interpretation

Schedule Description: This course is designed to provide the training needed to read blueprints, fabricate parts to be assembled, and tack weld the parts together. Fulfills American Welding Society SENSE Level 1 - Entry Welder, 3.2.1.3 Module 3: Drawing and Welding Symbol Interpretation

Rationale: Correlate with National Certification Standard - American Welding Society SENSE Level 1 – Entry Welder Certification

TOP Code: 0956.50

Equate: Course not offered at CHC.

Effective: Fall 2017

COURSE ID	COURSE TITLE
WELD 066	LOS ANGELES CITY WELDING CERTIFICATION

Course Title: Preparation for Los Angeles City Welding Certification

Prerequisite: WELD 045

Rationale: Updating prerequisite to better support student success and completions.

TOP Code: 0956.50

Equate: Course not offered at CHC.

Effective: Fall 2017

COURSE ID	COURSE TITLE
WELD 077	INTRODUCTION TO CONTINUOUS WIRE WELDING

Units: 3
Laboratory: 6 contact hour(s) per week
 96 - 108 contact hours per semester
Prerequisite: WELD 010
Catalog Description: This course covers techniques and methods of Gas Metal Arc Welding (GMAW) and Flux-cored Arc Welding (FCAW) in all positions and on various thicknesses of mild steel. Fulfills American Welding Society SENSE Level 1 – Entry Welder Certification Modules 5: Gas Metal Arc Welding (GMAW-S, GMAW Spray Transfer and 6: Flux Cored Arc Welding (FCAW-G/GM, FCAW-S).
Schedule Description: This course covers techniques and methods of Gas Metal Arc Welding (GMAW) and Flux-cored Arc Welding (FCAW) in all positions and on various thicknesses of mild steel. Fulfills American Welding Society SENSE Level 1 – Entry Welder Certification Modules 5: Gas Metal Arc Welding (GMAW-S, GMAW Spray Transfer and 6: Flux Cored Arc Welding (FCAW-G/GM, FCAW-S).
Rationale: Correlate with National Certification Standard - American Welding Society SENSE Level 1 – Entry Welder Certification
TOP Code: 0956.50
Equate: Course not offered at CHC.
Effective: Fall 2017

COURSE DELETION

CULART 030 WST 074	WST 012	WST 021	WST 025
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Rationale: Courses are no longer offered.
Effective: Fall 2017

DISTRIBUTED EDUCATION

COMMST 100 ENGL 071	COMMST 100H ENGL 270	COMMST 176 ENGL 271	ENGL 070 SOC 120
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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 2017

NEW CERTIFICATE

Flight Operations Certificate

This certificate program in Flight Operations is designed for students interested in careers as a pilot in general aviation, commercial aviation, or military aviation. This certificate prepares students for employment or transfer to other colleges, and includes Federal Aviation Administration approved curricula in basic ground school, advanced ground school, and instrument ground school. Through the San Bernardino Valley College Flying Club students have the opportunity to gain flight experience at a nominal cost as they prepare for the private pilot, commercial pilot, or instrument pilot ratings. Students working for certificates must have a basic knowledge of arithmetic, reading, and writing in order to learn and work in the occupations they select.

Required Courses:

		Units
AERO 021	Aviation Fundamentals	3
AERO 022	Private Pilot Ground School	6
AERO 024	Aircraft Powerplants	3
AERO 025	Flight Safety	2
AERO 026	Airframe Structures	3
AERO 040	Instrument Ground School	4
AERO 046	Aviation Weather	3
Total Units		24

AERO 022 may be waived if students have taken an equivalent course, students are encouraged to see the Department Chair to determine whether course is equivalent to AERO 022.

This is a Gainful Employment Program

Rationale:	This is a specialized certificate geared specifically for students looking to work in aviation flight related fields. There are no other certificate or degree programs that meet this need.
Effective:	Fall 2017

CERTIFICATE MODIFICATION

Culinary Arts Certificate

The Culinary Arts Certificate is designed for students interested in employment at commercial restaurants, institutions, health care facilities, school food services, and related food service industries at the middle management level.

REQUIRED COURSES:

		Units
CULART 010	Restaurant Service and Catering I	5.5
CULART 011	Restaurant Service and Catering II	5.5
CULART 101	Introduction to Hospitality and Customer Service	3
CULART 160	Introduction to Foods	3
CULART 161	Quantity Food Preparation	3
CULART 180	Small Business and Catering Management	5.5
CULART 201	Culinary and Hospitality Management	3
CULART 225	Sanitation and Safety	1

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
CULART 280	Principles of Food and Beverage Management	3

Total Units **41.5**

This is a Gainful Employment Program

Rationale: The culinary arts program is creating a one year program to supply cooks and industry workers to try and meet the demand within the Food Service Industry.
Effective: Fall 2017

Food Preparation Certificate

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

REQUIRED COURSES:	Units
CULART 010 Restaurant Service and Catering I	5.5
CULART 011 Restaurant Service and Catering II	5.5
CULART 101 Introduction to Hospitality and Customer Service	3
CULART 160 Introduction to Foods	3
CULART 161 Quantity Food Preparation	3
CULART 225 Sanitation and Safety	1
CULART 240 Procurement, Purchasing and Selection	3
CULART 250 Food, Wine and Beverage Service Concepts	3
CULART 270 Small Business and Catering Management	5.5

Total Units **32.5**

This is a Gainful Employment Program

Rationale: The Culinary Program is updating the courses and certificates to meet the demands within the Food Service Industry. The program will now be a one year program in order to supply the demand for cooks within the industry.
Effective: Fall 2017

Restaurant Service Certificate

The Restaurant Certificate is designed to prepare students for employment in the front-of-the-house of the restaurant/hospitality industry as fine dining servers and first-line supervisors.

REQUIRED COURSES:	Units
CULART 010 Restaurant Service and Catering I	5.5
CULART 011 Restaurant Service and Catering II	5.5
CULART 101 Introduction to Hospitality and Customer Service	3
CULART 225 Sanitation and Safety	1
CULART 240 Procurement, Purchasing and Selection	3
CULART 250 Food, Wine and Beverage Service Concepts	3

Total Units **21**

This is a Gainful Employment Program

Rationale: The Culinary Arts Program is updating courses and Certificates to meet the needs of the industry partners. The program will now be a one year program in order to fill vacant positions within the Food Service Industry.

Effective: Fall 2017

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-Acetylene Welding	2
WELD 045	Beginning Shielded Metal Arc Welding (SMAW)	3
WELD 046	Intermediate Shielded Metal Arc Welding (SMAW)	4
WELD 066	Preparation for Los Angeles City Welding Certification	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.

This is a Gainful Employment Program

Rationale: Updating to reflect changes to courses.

Effective: Fall 2017

Water Supply Technology Certificate

This certificate is designed to prepare students with the necessary knowledge and skills to obtain entry-level employment in the water supply technology field. [Note: the Water Supply Technology Certificate is not equivalent to the State License in Water Distribution, Water Treatment or Wastewater Treatment]. Work Experience course, WST 098, is highly recommended for students not currently employed in the field.

REQUIRED COURSES:		Units
CIT 031	Business English	3
	or	
ENGL 015	Preparation for College Writing	4
	or	
Eligibility for ENGL 101 as determined by the SBVC assessment process		
WST 052	Water Technology Math	3
	or	
WST 053	Wastewater Technology Math	3
	or	

Eligibility for MATH 090 as determined by the SBVC assessment process

WST 075	Water/Wastewater Chemistry and Analysis	4
18 units from the following Water Supply Technology Courses:		Units
WST 031	Water Use Efficiency Practitioner I	3
WST 045	Backflow Prevention Devices	3
WST 048	Cross-Connection Control	3
WST 061	Water Distribution I	3
WST 062	Water Distribution II	3
WST 063	Water Distribution III	3
WST 071	Water Treatment I	3
WST 072	Water Treatment II	3
WST 073	Water Treatment III	3
WST 081	Wastewater Collection I	3
WST 082	Wastewater Collection II	3
WST 091	Wastewater Treatment I	3
WST 092	Wastewater Treatment II	3
WST 093	Wastewater Treatment III	3

RECOMMENDED COURSES: **Units**

CIT 101	Introduction to Computer Literacy	3
WST 098	Water Supply Technology Work Experience	1 - 4

Total Units **22 - 33**

This is a Gainful Employment Program

Rationale: Certificate modified to reflect the changes made in updating courses. The major change is replacement of CHEM 110 with an updated WST 075 course.

Effective: Fall 2017

Welding Inspection Technology Certificate

This certificate is designed to prepare students for the American Welding Society (AWS) and/or International Conference of Building Officials (ICBO) Welding Inspector examination.

REQUIRED COURSES:		Units
WELD 010	Introduction to Welding	2
WELD 027	Inspection of Welds: Destructive Tests	3
WELD 028	Inspection of Welds: Non-Destructive Examination	3
WELD 045	Beginning Shielded Metal Arc Welding (SMAW)	3
WELD 060	Layout Fitter I	4
WELD 065	Welding Inspection Visual	4
WELD 067	Structural Steel Special Inspection (ICBO)	2
Total Units		21

This is a Gainful Employment Program

Rationale: Launching certificate because it was pulled from catalog due to not having the proper approval when units were increased. We have gone through 1st and 2nd

read with the dessert regional consortium. Now launching so we can move onto state approval.
Effective: Fall 2017

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.

REQUIRED COURSES:		Units
WELD 010	Introduction to Welding	2
WELD 012	Oxy-Acetylene Welding	2
WELD 015	Beginning Gas Tungsten Arc Welding (GTAW)	3
WELD 027	Inspection of Welds: Destructive Tests	3
or		
WELD 028	Inspection of Welds: Non-Destructive Examination	3
WELD 045	Beginning Shielded Metal Arc Welding (SMAW)	3
WELD 046	Intermediate Shielded Metal Arc Welding (SMAW)	4
WELD 060	Layout Fitter I	4
WELD 066	Preparation for Los Angeles City Welding Certification	3
WELD 077	Introduction to Continuous Wire Welding	3
RECOMMENDED COURSES:		Units
TECALC 087	Technical Calculations	4
or		
MATH 942	Arithmetic	3
Total Units		27

This is a Gainful Employment Program

Rationale: Change name from "General Welding" to "Welding Technology" to make it easier for students to find and more applicable to the industry. Also launching because of unit changes to several courses

Effective: Fall 2017

CERTIFICATE DELETION

Dining Room Service

Rationale: This certificate is being replaced with Restaurant Service.

Effective: Fall 2017

Wastewater Treatment

Rationale: Based on feedback from the WST Advisory Committee, individual certificates will no longer be offered and are to be replaced by the Water Supply Technology Certificate.

Effective: Fall 2017

NEW DEGREE

Flight Operations and Management A.S. Degree

To graduate with a specialization in Flight Operations and Management 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 is for students who are interested in a career as a commercial pilot either in general aviation, the airlines, or in the area of aviation management.

Required Courses:		Units
AERO 021	Aviation Fundamentals	3
AERO 022	Private Pilot Ground School	6
AERO 024	Aircraft Powerplants	3
AERO 025	Flight Safety	2
AERO 026	Airframe Structures	3
AERO 027	Airport Certification and Operations	2
AERO 034	Civil Aviation Management and Laws	3
AERO 040	Instrument Ground School	4
AERO 046	Aviation Weather	3
BUSAD 100	Introduction to Business	3
PHYSIC 101	Introductory Physics	4
Total Units		36

AERO 022 may be waived if students have taken an equivalent course, students are encouraged to see the Department Chair to determine whether course is equivalent to AERO 022.

This is a Gainful Employment Program

Rationale:	Through a partnership with World Wide Wings LLC it is projected that by January 2017 they will have approximately 30 students and by Fall 2017 100 students. They already have a program in Florida with a successful partnership with a community college in that area. The labor market statistics show an 18% growth in this field between now and 2034.
Effective:	Fall 2017

DEGREE MODIFICATION

Culinary Arts A.A. Degree

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
CULART 010	Restaurant Service and Catering I	5.5
CULART 011	Restaurant Service and Catering II	5.5
CULART 101	Introduction to Hospitality and Customer Service	3
CULART 160	Introduction to Foods	3
CULART 161	Quantity Food Preparation	3
CULART 180	Small Business and Catering Management	5.5

CULART 201	Management of Human Resources in Hospitality	3
CULART 225	Sanitation and Safety	1
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
CULART 280	Principles of Food and Beverage Management	3
Total Units		41.5

This is a Gainful Employment Program

Rationale: Updating program certificates.
Effective: Fall 2017

Liberal Arts (Biological and Physical Sciences) A.A Degree

The Associate Degree in Liberal Arts is designed for students who wish to pursue a broad knowledge of liberal arts and sciences plus additional coursework in an "Area of Emphasis". The area of emphasis includes the following options: Biological and Physical Science; Social and Behavioral Sciences; and Humanities and Fine Arts. In order to earn an Associate of Arts Degree in Liberal Arts the following must be completed: 1. Students must complete one of the general education breadth patterns (SBVC Graduation requirements, CSU-GE, or IGETC). Note: Students planning to transfer to the California State University (CSU) or University of California (UC) systems are advised to complete either the CSU-GE or IGETC general education patterns. 2. Students must complete 18 units in one "Area of Emphasis". For depth of study, a minimum of two courses in one discipline is required. Note: All courses used to satisfy the area of emphasis for the Associate degree must be completed with a grade of "C" or higher. Additional notes: Where appropriate, courses in the "Area of Emphasis" may also be counted in a general education breadth pattern. Courses that include a symbol X in the number, such as MUS 141X2, indicate the course may be taken two times for credit. Students may apply each course with a symbol X only one time towards graduation requirements. Students pursuing multiple areas of emphasis can only be counted in one area only.

A. Biological and Physical Sciences

These courses emphasize the natural sciences, which examine the physical universe, its life forms, and natural phenomena. Courses in mathematics emphasize the development of mathematical and quantitative reasoning skills beyond the level of intermediate algebra. Students will be able to demonstrate an understanding of the methodologies of science as investigative tools. Students will also examine the influence that the acquisition of scientific knowledge has on the development of world civilization.

Students must choose a minimum of 18 units.

Anthropology (ANTHRO)		Units
ANTHRO 106	Biological Anthropology	3
	or	
ANTHRO 106H	Biological Anthropology - Honors	3
 Astronomy (ASTRON)		 Units
ASTRON 120	Introduction to Astronomy	3
ASTRON 125	Astronomy Laboratory	1

Biology (BIOL)		Units
BIOL 100	General Biology	4
BIOL 104	Human Ecology	3
BIOL 109	History of Life	4
	or	
BIOL 109H	History of Life - Honors	4
BIOL 155	Introductory Anatomy and Physiology	4
BIOL 205	Cell and Molecular Biology	4
BIOL 206	Organismal Biology	4
BIOL 207	Evolutionary Ecology	4
BIOL 250	Human Anatomy and Physiology I	4
BIOL 251	Human Anatomy and Physiology II	4
BIOL 260	Human Anatomy	4
BIOL 261	Human Physiology	4
BIOL 270	Microbiology	5
BIOL 292	Cell Culture Techniques	4
Chemistry (CHEM)		Units
CHEM 101	Introductory Chemistry	4
CHEM 104	Introduction to Organic Chemistry and Biochemistry	4
	or	
CHEM 104H	Introduction to Organic Chemistry and Biochemistry - Honors	4
CHEM 105	Introduction to General, Organic and Biochemistry	5
CHEM 110	Environmental and Consumer Chemistry	3
CHEM 150	General Chemistry I	5
	or	
CHEM 150H	General Chemistry I - Honors	5
CHEM 151	General Chemistry II	5
	or	
CHEM 151H	General Chemistry II - Honors	5
CHEM 212	Organic Chemistry I	4
	or	
CHEM 212H	Organic Chemistry I - Honors	4
CHEM 213	Organic Chemistry II	4
	or	
CHEM 213H	Organic Chemistry II - Honors	4
Economics (ECON)		Units
ECON 208	Business and Economic Statistics	4

Geography (GEOG)		Units
GEOG 110	Physical Geography	3
GEOG 111	Physical Geography Laboratory	1
	or	
GEOG 111H	Physical Geography Laboratory - Honors	1
GEOG 114	Weather and Climate	4

Geology (GEOL)		Units
GEOL 101	Introduction to Physical Geology	3
GEOL 111	Introduction to Physical Geology Laboratory	1
GEOL 112	Historical Geology	4
GEOL 122	Environmental Geology	3
GEOL 250	Geology of California	3
GEOL 251	Geology of National Parks and Monuments	3

Mathematics (MATH)		Units
MATH 102	College Algebra	4
MATH 103	Plane Trigonometry	4
MATH 108	Introduction to Probability and Statistics	4
MATH 115	Ideas of Mathematics	3
MATH 151	Precalculus	4
MATH 250	Single Variable Calculus I	4
MATH 251	Single Variable Calculus II	4
MATH 252	Multivariable Calculus	5
MATH 265	Linear Algebra	4
MATH 266	Ordinary Differential Equations	4

Oceanography (OCEAN)		Units
OCEAN 101	Elements of Oceanography	3
OCEAN 111	Elements of Oceanography Laboratory	1

Physical Science (PS)		Units
PS 101	Introduction to Physical Science	3

Physics (PHYSIC)		Units
PHYSIC 101	Introductory Physics	4
PHYSIC 150A	General Physics for the Life Sciences I	5
PHYSIC 150B	General Physics for the Life Sciences II	5
PHYSIC 200	Physics I	6
PHYSIC 201	Physics II	6

Psychology (PSYCH)		Units
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PSYCH 105	Statistics for the Behavioral Sciences	4
Completed Fall 2009 or Later		0
PSYCH 141	Introduction to Biological Psychology	3
Total Units		18

Rationale: Updating to reflect course changes.
Effective: Fall 2017

Liberal Arts (Humanities and Fine Arts) A.A. Degree

The Associate Degree in Liberal Arts is designed for students who wish to pursue a broad knowledge of liberal arts and sciences plus additional coursework in an "Area of Emphasis". The area of emphasis includes the following options: Biological and Physical Science; Social and Behavioral Sciences; and Humanities and Fine Arts. In order to earn an Associate of Arts Degree in Liberal Arts the following must be completed: 1. Students must complete one of the general education breadth patterns (SBVC Graduation requirements, CSU-GE, or IGETC). Note: Students planning to transfer to the California State University (CSU) or University of California (UC) systems are advised to complete either the CSU-GE or IGETC general education patterns. 2. Students must complete 18 units in one "Area of Emphasis". For depth of study, a minimum of two courses in one discipline is required. Note: All courses used to satisfy the area of emphasis for the Associate degree must be completed with a grade of "C" or higher. Additional notes: Where appropriate, courses in the "Area of Emphasis" may also be counted in a general education breadth pattern. Courses that include a symbol X in the number, such as MUS 141X2, indicate the course may be taken two times for credit. Students may apply each course with a symbol X only one time towards graduation requirements. Students pursuing multiple areas of emphasis can only count course in one area only.

C. Humanities and Fine Arts

These courses emphasize the study of cultural, literary, humanistic activities, and artistic expressions of human beings. Students will evaluate and interpret the ways in which people throughout the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation. Students must also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments.

Students must complete a minimum of 18 units.

American Sign Language (ASL)		Units
ASL 109	American Sign Language I	4
ASL 110	American Sign Language II	4
ASL 111	American Sign Language III	4
ASL 112	American Sign Language IV	4

Anthropology (ANTHRO)		Units
ANTHRO 108	North American Indians	3
ANTHRO 109	Visual Culture and Art	3
ANTHRO 110	Magic, Witchcraft, and Religion	3

Arabic (ARAB)		Units
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ARAB 101	College Arabic I	5
ARAB 102	College Arabic II	5

Architecture (ARCH) Units

ARCH 145	History of Architecture: Early Design through Gothic	3
	or	
ARCH 145H	History of Architecture: Early Design through Gothic - Honors	3
ARCH 146	History of Architecture: Renaissance through Modern	3
	or	
ARCH 146H	Architecture History: Renaissance to Modern - Honors	3

Art (ART) Units

ART 100	Art History: The Stone Age to the Middle Ages	3
ART 102	Art History: Renaissance to Present	3
	or	
ART 102H	Art History: Renaissance to Present - Honors	3
ART 103	Art Appreciation	3
ART 105	History of Modern Art	3
ART 107	Art History: Africa, Asia, the Americas, and Oceania	3
ART 108	Art of Mexico and Mesoamerica	3
ART 120	Two-Dimensional Design	3
ART 124A	Beginning Drawing	3
ART 126A	Beginning Painting	3
ART 132A	Beginning Life Drawing	3
ART 145	Fundamentals of Graphic Design	3
ART 148	Beginning Computer Graphic Design	3
ART 161	Digital Photography	3
ART 175A	Beginning Sculpture	3
ART 180	Beginning 3D Computer Animation	3
ART 212A	Beginning Ceramics	3
ART 240A	Beginning Glassblowing	3
ART 270A	Beginning Design in Glass	3

Dance (DANCE) Units

DANCE 200	Dance History and Appreciation	3
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English (ENGL) Units

ENGL 151	Freshman Composition and Literature	3
ENGL 153	Literature and Film	3
ENGL 155	Children's Literature	3
ENGL 161	Women Writers	3

ENGL 163	Chicano Literature	3
ENGL 165	African-American Literature	3
ENGL 175	The Literature and Religion of the Bible	3
ENGL 232	Creative Writing	3
ENGL 270	English Literature: Middle Ages to 18th Century	3
ENGL 271	English Literature: 18th Century to Present	3
ENGL 275	Shakespeare	3
ENGL 280	World Literature: To 17th Century	3
ENGL 281	World Literature: 17th Century to Present	3

French (FRENCH)		Units
FRENCH 101	College French I	5
FRENCH 102	College French II	5

History (HIST)		Units
HIST 100	United States History to 1877	3
	or	
HIST 100H	United States History to 1877 - Honors	3
HIST 101	United States History: 1865 to Present	3
	or	
HIST 101H	United States History: 1865 to Present - Honors	3
HIST 107	The United States and the North American Indians	3
HIST 137	Racial and Ethnic Groups in United States History	3
HIST 138	African-American History to 1877	3
HIST 139	African-American History 1877 to Present	3
HIST 140	Chicano History	3
HIST 145	History of California	3
HIST 150	Introduction to Latin American History	3
HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3
HIST 176	Comparative History of Genocide and War Crimes	3

Music (MUS)		Units
MUS 100	Music Appreciation	3
MUS 101	Music Theory I: Fundamentals	3
MUS 101L	Musicianship I	1
MUS 102	Music Theory II: Scales and Modes	3
MUS 102L	Musicianship II	1
MUS 104	History of Rock and Roll	3
MUS 105	American Popular Music	3
MUS 106	History of Jazz	3
MUS 107	Music of the World	3

MUS 117A	Elementary Acoustic Guitar	1
MUS 121	Music History and Literature - Middle Ages to Baroque	3
	or	
MUS 121H	Music History and Literature - Middle Ages to Baroque - Honors	3
MUS 122	Music History and Literature - Classic to Contemporary	3
	or	
MUS 122H	Music History and Literature - Classic to Contemporary - Honors	3
MUS 123	Electronic Music I	3
MUS 124	Electronic Music II	3
MUS 130	Elementary Voice	3
MUS 131	Intermediate Voice	3
MUS 133	Elementary Piano	3
MUS 134A	Intermediate Piano	3
MUS 135	Advanced Piano	3
MUS 141X2	Applied Music I	2
MUS 150X4	Mixed Chorus	1
MUS 152X4	Chamber Singers	2
MUS 153x4	Chamber Chorale	2
MUS 154X4	College Singers	2
MUS 156X4	Concert Choir	2
MUS 158X4	Gospel Choir	1
MUS 159x4	Theatrical Music Workshop	2
MUS 201	Music Theory III: Basic Harmony	3
MUS 202	Music Theory IV: Harmony	3
MUS 201L	Musicianship III	1
MUS 202L	Musicianship IV	1
MUS 210	Conducting	3
MUS 241x2	Applied Music II	2

Philosophy (PHIL)

Units

PHIL 101	Introduction to Philosophy	3
	or	
PHIL 101H	Introduction to Philosophy - Honors	3
PHIL 105	Introduction to Ethics	3
PHIL 112	Philosophy in Literature	3
PHIL 180	Death and Dying	3

Physical Science (PS)

Units

PS 112	Introduction to the Development of Modern Science	3
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Radio/Television/Film (RTVF)

Units

RTVF 101	Introduction to Cinema	3
RTVF 132	Lighting and Cinematography	3
RTVF 134	Acting and Directing for Television and Film	3

Religious Studies (RELIG) Units

RELIG 100	Introduction to Religious Studies	3
	or	
RELIG 100H	Introduction to Religious Studies-Honors	3
RELIG 101	Introduction to World Religions	3
RELIG 110	Magic, Witchcraft, and Religion	3
RELIG 135	Religion in America	3
RELIG 150	Introduction to Mythology	3
RELIG 175	The Literature and Religion of the Bible	3
RELIG 176	Jesus and His Interpreters	3
RELIG 180	Death and Dying	3

Spanish (SPAN) Units

SPAN 101	College Spanish I	5
	or	
SPAN 101H	College Spanish I - Honors	5
SPAN 102	College Spanish II	5
	or	
SPAN 102H	College Spanish II - Honors	5
SPAN 103	College Spanish III	4
	or	
SPAN 103H	College Spanish III - Honors	4
SPAN 104	College Spanish IV	4
SPAN 157	Spanish for Heritage Speakers I	4
SPAN 158	Spanish for Heritage Speakers II	4

Theatre Arts (THART) Units

THART 100	Introduction to the Theatre	3
THART 105	Script Analysis	3
THART 114x4	Rehearsal and Performance	4
THART 120	Acting Fundamentals I	3
THART 121	Acting Fundamentals II	3
THART 131	Sound for Stage and Screen	3
THART 132	Lighting Design Fundamentals	3
THART 135	Directing Fundamentals	3
THART 136	Introduction to Theatre Design	3
THART 139	Fundamentals of Costume Design	3
THART 147	Theatre Movement	3

THART 160x4	Technical Theatre in Production	3
THART 165	Stage Makeup	3
THART 166	Improvisational Acting	3
Total Units		18

Rationale: Updating to reflect course changes.
Effective: Fall 2017

Liberal Arts (Social & Behavioral Science) A.A. Degree

The Associate Degree in Liberal Arts is designed for students who wish to pursue a broad knowledge of liberal arts and sciences plus additional coursework in an "Area of Emphasis". The area of emphasis includes the following options: Biological and Physical Science; Social and Behavioral Sciences; and Humanities and Fine Arts. In order to earn an Associate of Arts Degree in Liberal Arts the following must be completed: 1. Students must complete one of the general education breadth patterns (SBVC Graduation requirements, CSU-GE, or IGETC). Note: Students planning to transfer to the California State University (CSU) or University of California (UC) systems are advised to complete either the CSU-GE or IGETC general education patterns. 2. Students must complete 18 units in one "Area of Emphasis". For depth of study, a minimum of two courses in one discipline is required. Note: All courses used to satisfy the area of emphasis for the Associate degree must be completed with a grade of "C" or higher. Additional notes: Where appropriate, courses in the "Area of Emphasis" may also be counted in a general education breadth pattern. Courses that include a symbol X in the number, such as MUS 141X2, indicate the course may be taken two times for credit. Students may apply each course with a symbol X only one time towards graduation requirements. Students pursuing multiple areas of emphasis can only count course in one area only.

C. Social and Behavioral Sciences

These courses emphasize the perspective, concepts, theories, and methodologies of the disciplines typically found in the vast variety of disciplines that comprise study in the social and behavioral sciences. Topics and discussion to stimulate critical thinking about ways people have acted in response to their societies will allow students to evaluate how societies and social subgroups operate.

Students must choose a minimum of 18 units.

Anthropology (ANTHRO)		Units
ANTHRO 100	Introduction to Archaeology	3
ANTHRO 102	Cultural Anthropology	3
	or	
ANTHRO 102H	Cultural Anthropology - Honors	3
ANTHRO 106	Biological Anthropology	3
	or	
ANTHRO 106H	Biological Anthropology - Honors	3
ANTHRO 108	North American Indians	3
ANTHRO 109	Visual Culture and Art	3
ANTHRO 110	Magic, Witchcraft, and Religion	3
ANTHRO 125	Language and Culture	3

Child Development (CD)		Units
CD 105	Child Growth and Development	3
	or	
CD 105H	Child Growth and Development-Honors	3
CD 108	Early Childhood Development	3
CD 126	Child, Family, and the Community	3
Communication Studies (COMMST)		Units
COMMST 135	Mass Media and Society	3
COMMST 174	Intercultural Communication	3
COMMST 176	Gender Differences in Communication	3
Economics (ECON)		Units
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
Geography (GEOG)		Units
GEOG 102	Cultural Geography	3
GEOG 106	Geographic Perspectives on the Environment	3
GEOG 118	California Geography	3
GEOG 120	World Regional Geography	3
History (HIST)		Units
HIST 100	United States History to 1877	3
	or	
HIST 100H	United States History to 1877 - Honors	3
HIST 101	United States History: 1865 to Present	3
	or	
HIST 101H	United States History: 1865 to Present - Honors	3
HIST 107	The United States and the North American Indians	3
HIST 137	Racial and Ethnic Groups in United States History	3
HIST 138	African-American History to 1877	3
HIST 139	African-American History 1877 to Present	3
HIST 140	Chicano History	3
HIST 145	History of California	3
HIST 150	Introduction to Latin American History	3

HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3
HIST 176	Comparative History of Genocide and War Crimes	3

Philosophy (PHIL) Units

PHIL 180	Death and Dying	3
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Political Science (POLIT) Units

POLIT 100	American Politics	3
POLIT 110	Introduction to Political Theory	3
	or	
POLIT 110H	Introduction to Political Theory Honors	3
POLIT 140	Introduction to Comparative Politics	3
POLIT 141	Introduction to World Politics	3
	or	
POLIT 141H	Introduction to World Politics - Honors	3

Psychology (PSYCH) Units

PSYCH 100	General Psychology	3
	or	
PSYCH 100H	General Psychology - Honors	3
PSYCH 102	Personal and Social Adjustment	3
PSYCH 110	Abnormal Psychology	3
PSYCH 111	Developmental Psychology: Lifespan	3
PSYCH 112	Developmental Psychology: Child and Adolescent Psychology	3
PSYCH 118	Human Sexual Behavior	3
PSYCH 201	Research Methods for the Behavioral Sciences	4

Radio/Television/Film (RTVF) Units

RTVF 100	Introduction to Electronic Media	3
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Religious Studies (RELIG) Units

RELIG 110	Magic, Witchcraft, and Religion	3
RELIG 135	Religion in America	3
RELIG 180	Death and Dying	3

Sociology (SOC) Units

SOC 100	Introduction to Sociology	3
	or	
SOC 100H	Introduction to Sociology - Honors	3
SOC 110	Social Problems	3

	or	
SOC 110H	Social Problems - Honors	3
SOC 120	Medical Sociology	3
SOC 130	Family Sociology	3
SOC 135	Introduction to Crime	3
SOC 141	Race and Ethnic Relations	3
SOC 145	Sociology of Gender	3
SOC 150	Aging and the Life Course	3
Total Units		18

Rationale: Updating to reflect course changes.
Effective: Fall 2017

Music Associate of Arts Transfer Degree (AA-T)

The Associate of Arts for Transfer (AA-T) in Music develops a well-rounded musician. Students who pursue this degree will have guaranteed admission to a California State University (CSU) campus upon successful completion of the specified program requirements. This degree provides students with transfer preparation and pre-professional training. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals.

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.

To earn a music AA-T degree, students must complete the following Associate Degree for Transfer 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 37-39 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 baccalaureate institution and major in Music should consult with a counselor regarding the transfer process and lower division requirements.

REQUIRED CORE COURSES: (16 Units)		Units
MUS 101	Music Theory I: Fundamentals	3
MUS 101L	Musicianship I	1
MUS 102	Music Theory II: Scales and Modes	3
MUS 102L	Musicianship II	1
MUS 201	Music Theory III: Basic Harmony	3
MUS 201L	Musicianship III	1
MUS 202	Music Theory IV: Harmony	3

MUS 202L	Musicianship IV	1
APPLIED MUSIC: (2 Units)		Units
MUS 141X2	Applied Music I and	1
MUS 241x2	Applied Music II	1
LARGE ENSEMBLE: (4 Units selected from the following)		Units
MUS 150X4	Mixed Chorus	1
MUS 152X4	Chamber Singers	2
MUS 153x4	Chamber Chorale	2
MUS 154X4	College Singers	2
MUS 156X4	Concert Choir	2
MUS 158X4	Gospel Choir	1
MUS 162x4	Wind Ensemble	1
MUS 166x4	Concert Band	1
RECOMMENDED COURSES:		Units
MUS 100	Music Appreciation	3
MUS 121	Music History and Literature - Middle Ages to Baroque or	3
MUS 121H	Music History and Literature - Middle Ages to Baroque - Honors	3
MUS 122	Music History and Literature - Classic to Contemporary or	3
MUS 122H	Music History and Literature - Classic to Contemporary - Honors	3
MUS 123	Electronic Music I	3
MUS 124	Electronic Music II	3
MUS 133	Elementary Piano	3
MAJOR TOTAL: 22		Units
CSU GE-Breadth or IGETC for CSU requirements: 37-39 (Total units that may be double-counted for CUSGE or IGETC: 6)		Units
CSU ELECTIVES (as needed to reach 60 transferable units): 5-7		Units
Total Units		60

Rationale: Reduce the number of units to align more closely with TMC and add large ensemble instrument opportunities for SBVC students. Deleting out of date courses.
Effective: Fall 2017

Sociology Associate of Arts Transfer Degree (AA-T)

Sociology is both a scientific and humanistic discipline. Sociologists examine the systems of social action including single social acts, social relationships, organizations, institutions, communities, and societies. Through analyses of society, its groups, institutions, and processes, sociologists attempt to understand and predict human behavior. The study of sociology prepares students for further study of and careers in social work, probation, corrections, human services, law enforcement, research, public policy, law and education.

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 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 60 CSU transferable semester units with a grade point average of a 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 sociology should consult with a counselor regarding the transfer process and lower division requirements.

Completion of CSU GE-Breadth or IGETC for the UC or CSU is required in addition to the major requirements listed below.

REQUIRED CORE COURSES: (10 UNITS)

		Units
SOC 100	Introduction to Sociology	3
	or	
SOC 100H	Introduction to Sociology - Honors	3
	and	
SOC 110	Social Problems	3
	or	
SOC 110H	Social Problems - Honors	3
	and	
PSYCH 105	Statistics for the Behavioral Sciences	4
	or	
ECON 208	Business and Economic Statistics	4
	or	
MATH 108	Introduction to Probability and Statistics	4
	or	
PSYCH 201	Research Methods for the Behavioral Sciences	4

LIST A: SELECT TWO COURSES (6 units)

Any required core course not already used

SOC 130	Family Sociology	3
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SOC 135	Introduction to Crime	3
SOC 141	Race and Ethnic Relations	3
SOC 145	Sociology of Gender	3
SOC 150	Aging and the Life Course	3
LIST B: SELECT ONE COURSE (3 units minimum):		
Any course not used from List A:		
ADJUS 101	Introduction to Administration of Justice	3
ANTHRO 100	Introduction to Archaeology	3
ANTHRO 102	Cultural Anthropology	3
or		
ANTHRO 102H	Cultural Anthropology - Honors	3
ANTHRO 106	Biological Anthropology	3
or		
ANTHRO 106H	Biological Anthropology - Honors	3
ANTHRO 108	North American Indians	3
ANTHRO 109	Visual Culture and Art	3
ANTHRO 110	Magic, Witchcraft, and Religion	3
ANTHRO 125	Language and Culture	3
CD 105	Child Growth and Development	3
or		
CD 105H	Child Growth and Development-Honors	3
COMMST 135	Mass Media and Society	3
COMMST 174	Intercultural Communication	3
COMMST 176	Gender Differences in Communication	3
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
GEOG 102	Cultural Geography	3
GEOG 106	Geographic Perspectives on the Environment	3
GEOG 120	World Regional Geography	3
HIST 100	United States History to 1877	3
or		
HIST 100H	United States History to 1877 - Honors	3
HIST 101	United States History: 1865 to Present	3
or		

HIST 101H	United States History: 1865 to Present - Honors	3
HIST 107	The United States and the North American Indians	3
HIST 137	Racial and Ethnic Groups in United States History	3
HIST 138	African-American History to 1877	3
HIST 139	African-American History 1877 to Present	3
HIST 140	Chicano History	3
HIST 145	History of California	3
HIST 150	Introduction to Latin American History	3
HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3
PHIL 102	Critical Thinking and Writing	3
	or	
PHIL 103	Introduction to Logic: Argument and Evidence	3
PHIL 180	Death and Dying	3
POLIT 100	American Politics	3
POLIT 110	Introduction to Political Theory	3
	or	
POLIT 110H	Introduction to Political Theory Honors	3
POLIT 140	Introduction to Comparative Politics	3
POLIT 141	Introduction to World Politics	3
PS 112	Introduction to the Development of Modern Science	3
PSYCH 100	General Psychology	3
	or	
PSYCH 100H	General Psychology - Honors	3
PSYCH 102	Personal and Social Adjustment	3
PSYCH 110	Abnormal Psychology	3
PSYCH 111	Developmental Psychology: Lifespan	3
PSYCH 112	Developmental Psychology: Child and Adolescent Psychology	3
PSYCH 118	Human Sexual Behavior	3
RELIG 110	Magic, Witchcraft, and Religion	3
RELIG 135	Religion in America	3
RELIG 180	Death and Dying	3
RTVF 100	Introduction to Electronic Media	3
SOC 120	Health and Social Justice	3
Major Total: 19-23		Units
CSU GE-Breadth or IGETC for CSU requirements: 37-39		Units
CSU electives (as needed to reach 60 transferable units): 0-2		Units
Total Units		60

Rationale: Change name of SOC 120 to Health and Social Justice to align with Public Health TMC

Effective: Fall 2017

Water Technology A.S. Degree

The Water Supply Technology Program is designed to serve students who are employed or interested in employment in water/wastewater occupations. The program provides technical classes in water distribution, water treatment, wastewater collection, and wastewater treatment. The courses prepare students to upgrade their skills and/or prepare them for certification examinations from the California State Water Resource Control Board, the American Water Works Association, and the California Water Environment Association. The certificate program is designed to prepare students for entry level jobs in water treatment, water distribution, and wastewater reclamation industries. The associate of science degree graduates often work in city, county, or state agencies in positions such as plant operator, engineering technician, surface water manager, environmental laboratory coordinator, and industrial pre-treatment coordinator.

To graduate with a specialization in Water Technology, students must complete the following required courses in addition to the general breadth requirements for Associate of Science degree (total = 60 units).

Required Courses		Units
WST 075	Water/Wastewater Chemistry and Analysis	4
18 units from the following Water Supply Technology courses		Units
WST 031	Water Use Efficiency Practitioner I	3
WST 045	Backflow Prevention Devices	3
WST 048	Cross-Connection Control	3
WST 061	Water Distribution I	3
WST 062	Water Distribution II	3
WST 063	Water Distribution III	3
WST 071	Water Treatment I	3
WST 072	Water Treatment II	3
WST 073	Water Treatment III	3
WST 081	Wastewater Collection I	3
WST 082	Wastewater Collection II	3
WST 091	Wastewater Treatment I	3
WST 092	Wastewater Treatment II	3
WST 093	Wastewater Treatment III	3
Two courses from this list of RECOMMENDED courses		Units
CIT 101	Introduction to Computer Literacy	3
GIS 130	Introduction to Geographic Information Systems (GIS)	3
WST 032	Water Use Efficiency Practitioner II	3
WST 034	Introduction to Water Resource Management	3
WST 036	Water Utility Management	3
Total Units		27 - 28

Rationale:

The WST 074 Waste/Water Analysis course content was modified to include specific topics in water and wastewater chemistry and to ensure correct alignment with industry standards. The number of units for the course increased from three to four, as well. Due to the extent of the modifications to WST-074, the course number was changed to WST-075 and it will be replacing the Chem 110, as a required course. Hence, the degree is being modified to reflect these changes.

Effective: Fall 2017

Welding Technology A.S. Degree

This degree is designed to prepare students for entry-level jobs in structural steel construction, maintenance of industrial equipment, strengthening and repair of infrastructure.

REQUIRED COURSES:		Units
WELD 010	Introduction to Welding	2
WELD 012	Oxy-Acetylene Welding	2
WELD 015	Beginning Gas Tungsten Arc Welding (GTAW)	3
WELD 027	Inspection of Welds: Destructive Tests	3
or		
WELD 028	Inspection of Welds: Non-Destructive Examination	3
WELD 045	Beginning Shielded Metal Arc Welding (SMAW)	3
WELD 046	Intermediate Shielded Metal Arc Welding (SMAW)	4
WELD 060	Layout Fitter I	4
WELD 066	Preparation for Los Angeles City Welding Certification	3
WELD 077	Introduction to Continuous Wire Welding	3
Total Units		27

Rationale: Change name from "General Welding" to "Welding Technology" to make it easier for students to find and more applicable to the industry. Also launching because of unit changes to several courses

Effective: Fall 2017

DEGREE DELETION

Dining Room Service

Rationale: This certificate is being replaced with Restaurant Service.

Effective: Fall 2017

CORRECTION

The December 2016 Board Document contained the following errors:

Course ID: POLIT 138H
Course Title: Service Learning: Student Leadership
Correction: Service Learning: Student Leadership – Honors

Course ID: POLIT 139H
Course Title: Service Learning: Community Leadership
Correction: Service Learning: Community Leadership – Honors