

SAN BERNARDINO COMMUNITY COLLEGE DISTRICT

TO: Board of Trustees
FROM: Bruce Baron, Chancellor
REVIEWED BY: Diana Rodriguez, President, SBVC
PREPARED BY: Dina Humble, Vice President, Instruction, SBVC
DATE: June 20, 2019
SUBJECT: Consideration of Approval of Curriculum - SBVC

RECOMMENDATION

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

OVERVIEW

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

ANALYSIS

These courses, certificates, and degrees have been approved for addition, modification, and deletion by the Curriculum Committee of the Academic Senate and will be included in the 2019-2020 or 2020-2021 College Catalog.

INSTITUTIONAL VALUES

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

FINANCIAL IMPLICATIONS

None.

**SAN BERNARDINO VALLEY COLLEGE
SUBMITTED FOR BOARD OF TRUSTEE APPROVAL
June 20, 2019**

CONTENT REVIEW

No Changes to the College Catalog

ART 121	MACH 070
Rationale:	Content Review
Effective:	Fall 2018

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	ENVT 100
Course Title:	Introduction to Environmental Science
Units:	3
Lecture:	3 contact hour(s) per week 48 - 54 contact hours per semester
Outside of Class Hours:	6 hour(s) per week
Departmental Advisory:	ENGL 101 or eligibility for ENGL 101 or ENGL 101H as determined through the SBVC assessment process and MATH 962.
Catalog Description:	This course is an introduction to environmental issues from a scientific perspective. It focuses on physical, chemical, and biological processes within the Earth system, the interaction between humans and these processes, and the role of science in finding sustainable solutions.
Schedule Description:	This course is an introduction to environmental issues from a scientific perspective. It focuses on physical, chemical, and biological processes within the Earth system, the interaction between humans and these processes, and the role of science in finding sustainable solutions.
Rationale:	Introduction to Environmental Science is a necessary component within SBVC Environmental Science AS and AS-T Degrees. It has both C-ID and TMC approval and articulates to nearly any CSU and UC campus that offers an Environmental Science undergraduate degree.
TOP Code:	0301.00
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	MACH 010
Course Title:	Fundamentals of Industrial Maintenance
Units:	1
Lecture:	1 contact hour(s) per week 16 - 18 contact hours per semester
Outside of Class Hours:	2 hour(s) per week
Prerequisite:	None
Catalog Description:	This course covers orientation to the trade and tools of the trade for industrial maintenance mechanics.
Schedule Description:	This course covers orientation to the trade and tools of the trade for industrial maintenance mechanics.

Rationale: This course is part of the Trade Adjustment Assistance Community College and Career Training (TAACCCT) grant
TOP Code: 0945.00
Equate: Course not offered at CHC.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: **MACH 014**
Course Title: Craft Related Quantitative Skills
Units: 1
Lecture: 1 contact hour(s) per week
 16 - 18 contact hours per semester
Outside of Class Hours: 2 hour(s) per week
Prerequisite: None
Catalog Description: This course is designed to give students the fundamental quantitative skills commonly used by industrial maintenance mechanics.
Schedule Description: This course is designed to give students the fundamental quantitative skills commonly used by industrial maintenance mechanics.
Rationale: This course will be part of the new Industrial Maintenance certificate program.
TOP Code: 0945.00
Equate: Course not offered at CHC.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: **MACH 016**
Course Title: Construction Print Reading
Units: 1
Lecture: 1 contact hour(s) per week
 16 - 18 contact hours per semester
Outside of Class Hours: 2 hour(s) per week
Prerequisite: None
Catalog Description: This course is designed to give students the fundamental skills to read commonly used prints in construction by industrial maintenance mechanics.
Schedule Description: This course is designed to give students the fundamental skills to read commonly used prints in construction by industrial maintenance mechanics.
Rationale: This course will be part of the new Industrial Maintenance certificate program.
TOP Code: 0945.00
Equate: Course not offered at CHC.
Effective: Fall 2020

NEW COURSE*Addition to the 2020-2021 College Catalog*

Course ID:	MACH 018
Course Title:	Gaskets, Pumps, and Valves
Units:	1.5
Lecture:	1.5 contact hour(s) per week 24 - 27 contact hours per semester
Outside of Class Hours:	3 hour(s) per week
Prerequisite:	None
Catalog Description:	This course is designed to give students the fundamental skills in gaskets, packing, pumps, drivers, valves and lubrication used for industrial maintenance mechanics.
Schedule Description:	This course is designed to give students the fundamental skills in gaskets, packing, pumps, drivers, valves and lubrication used for industrial maintenance mechanics.
Rationale:	This course will be part of the new Industrial Maintenance certificate program.
TOP Code:	0945.00
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE*Addition to the 2020-2021 College Catalog*

Course ID:	MACH 020
Course Title:	Material Handling, and Support Equipment
Units:	1.5
Lecture:	1.5 contact hour(s) per week 24 - 27 contact hours per semester
Outside of Class Hours:	3 hour(s) per week
Prerequisite:	None
Catalog Description:	This course is designed to give students the fundamental skills in material handling, hand rigging, mobile and support equipment used for industrial maintenance mechanics.
Schedule Description:	This course is designed to give students the fundamental skills in material handling, hand rigging, mobile and support equipment used for industrial maintenance mechanics.
Rationale:	This course will be part of the new Industrial Maintenance certificate program.
TOP Code:	0945.00
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE*Addition to the 2020-2021 College Catalog*

Course ID:	MACH 027
Course Title:	Introduction to Piping
Units:	1
Lecture:	1 contact hour(s) per week 16 - 18 contact hours per semester
Outside of Class Hours:	2 hour(s) per week
Prerequisite:	None
Catalog Description:	This course is designed to give students the fundamental skills necessary to work with various types of piping on the job site. The material covered in this course is copper and plastic piping and an introduction to ferrous metal piping practices.

Schedule Description: This course is designed to give students the fundamental skills necessary to work with various types of piping on the job site. The material covered in this course is copper and plastic piping and an introduction to ferrous metal piping practices.

Rationale: This course will be part of the new Industrial Maintenance certificate program.

TOP Code: 0945.00

Equate: Course not offered at CHC.

Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: **MACH 025**

Course Title: General Machine Shop

Units: 3

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

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

Outside of Class Hours: 2 hour(s) per week

Prerequisite: None

Catalog Description: This introductory course instructs students in the basic set up and operating of the lathe, mill, saw, drill press, and grinder. Students will also learn safety, blueprint reading, measurement, shop math, tool grinding, and speed and feed calculations needed in machine shops.

Schedule Description: This introductory course instructs students in the basic set up and operating of the lathe, mill, saw, drill press, and grinder. Students will also learn safety, blueprint reading, measurement, shop math, tool grinding, and speed and feed calculations needed in machine shops.

Rationale: This will be part of the Mechanical Craft Certificate.

TOP Code: 0956.30

Equate: Course not offered at CHC.

Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: **MACH 026**

Course Title: Valve Maintenance and Testing

Units: 1

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

Outside of Class Hours: 2 hour(s) per week

Prerequisite: None

Catalog Description: This course is designed to give students the fundamental maintenance knowledge necessary to work with various types of valves and perform basic hydrostatic and pneumatic testing on the jobsite.

Schedule Description: This course is designed to give students the fundamental maintenance knowledge necessary to work with various types of valves and perform basic hydrostatic and pneumatic testing on the jobsite.

Rationale: This course will be part of the new Industrial Maintenance certificate program.

TOP Code: 0954.00

Equate: Course not offered at CHC.

Effective: Fall 2020

NEW COURSE*Addition to the 2020-2021 College Catalog*

Course ID:	MACH 028
Course Title:	Introduction to Bearings
Units:	1
Lecture:	1 contact hour(s) per week 16 - 18 contact hours per semester
Outside of Class Hours:	2 hour(s) per week
Prerequisite:	None
Catalog Description:	This course is designed to give students the fundamental knowledge necessary to work with various types of bearings on the jobsite.
Schedule Description:	This course is designed to give students the fundamental knowledge necessary to work with various types of bearings on the jobsite.
Rationale:	This course will be part of the new Industrial Maintenance certificate program.
TOP Code:	0945.00
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE*Addition to the 2020-2021 College Catalog*

Course ID:	MACH 029
Course Title:	Basic Layout for Industrial Maintenance
Units:	1
Laboratory:	3 contact hour(s) per week 48 - 54 contact hours per semester
Prerequisite:	None
Catalog Description:	This course is designed to give students the fundamental skills necessary to do basic on-the-job layout for machinery repair and installation.
Schedule Description:	This course is designed to give students the fundamental skills necessary to do basic on-the-job layout for machinery repair and installation.
Rationale:	This course will be part of the new Industrial Maintenance certificate program.
TOP Code:	0945.00
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE*Addition to the 2020-2021 College Catalog*

Course ID:	MACH 030
Course Title:	Introduction to Steam Systems
Units:	2
Lecture:	2 contact hour(s) per week 32 - 36 contact hours per semester
Outside of Class Hours:	4 hour(s) per week
Prerequisite:	None
Catalog Description:	This course is designed to give students the fundamental knowledge necessary to work with various types of steam systems commonly found on the jobsite.
Schedule Description:	This course is designed to give students the fundamental knowledge necessary to work with various types of steam systems commonly found on the jobsite.
Rationale:	This course will be part of the new Industrial Maintenance certificate program.
TOP Code:	0945.00
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	MACH 032
Course Title:	Distillation Towers and Vessels
Units:	1
Lecture:	1 contact hour(s) per week 16 - 18 contact hours per semester
Outside of Class Hours:	2 hour(s) per week
Prerequisite:	None
Catalog Description:	This course is designed to give students the fundamental knowledge necessary to work with various types of distillation towers and vessels commonly found on the jobsite.
Schedule Description:	This course is designed to give students the fundamental knowledge necessary to work with various types of distillation towers and vessels commonly found on the jobsite.
Rationale:	This course will be part of the new Industrial Maintenance certificate program.
TOP Code:	0945.00
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	MACH 034
Course Title:	Heaters and Cooling Towers
Units:	1
Lecture:	1 contact hour(s) per week 16 - 18 contact hours per semester
Outside of Class Hours:	2 hour(s) per week
Prerequisite:	None
Catalog Description:	This course is designed to give students the fundamental knowledge necessary to work with various types of heaters, furnaces, heat exchanges, cooling towers and fin fans commonly found on the jobsite.
Schedule Description:	This course is designed to give students the fundamental knowledge necessary to work with various types of heaters, furnaces, heat exchanges, cooling towers and fin fans commonly found on the jobsite.
Rationale:	This course will be part of the new Industrial Maintenance certificate program.
TOP Code:	0945.00
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	MACH 040
Course Title:	Intermediate Three-Dimensional Computer Modeling
Units:	3
Lecture:	1 contact hour(s) per week 16 - 18 contact hours per semester
Laboratory:	6 contact hour(s) per week 96 - 108 contact hours per semester
Outside of Class Hours:	2 hour(s) per week
Prerequisite:	MACH 075

Catalog Description: This course covers intermediate concepts and development of three-dimensional solid modeling and solid assembly modeling using a Computer Aided Drafting (CAD) solid modeling program.

Schedule Description: This course covers intermediate concepts and development of three-dimensional solid modeling and solid assembly modeling using a Computer Aided Drafting (CAD) solid modeling program.

Rationale: A second level modeling course is needed for complex designs to be used for programming and manufacture of advanced features on multi axis machine tools.

TOP Code: 0956.30

Equate: Course not offered at CHC.

Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: **MACH 041**

Course Title: Advanced Mechanical Design Applications

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

Outside of Class Hours: 4 hour(s) per week

Prerequisite: ARCH 130, MACH 075, MACH 040

Catalog Description: This course covers advanced modeling of machine parts in the various stages of manufacturing with required back-up items such as jigs, fixtures, weldments, tooling, molds and dies.

Schedule Description: This course covers advanced modeling of machine parts in the various stages of manufacturing with required back-up items such as jigs, fixtures, weldments, tooling, molds and dies.

Rationale: This course is needed to teach advanced modeling applications.

Equate: Course not offered at CHC.

Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: **MACH 042**

Course Title: Mechanical Design and Drafting I

Units: 3

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

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

Outside of Class Hours: 2 hour(s) per week

Prerequisite: ARCH 130 and MACH 075

Catalog Description: This course covers the production of engineering drawings with primary orthographic views, section views, detail views and auxiliary views. Students will also become familiar with detailing of drawing views including dimensions, notes/labels and drawing formats.

Schedule Description: This course covers the production of engineering drawings with primary orthographic views, section views, detail views and auxiliary views. Students will also become familiar with detailing of drawing views including dimensions, notes/labels and drawing formats.

Rationale: Introduction to documentation production.
Equate: Course not offered at CHC.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: **MACH 043**
Course Title: Mechanical Design and Drafting II
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
Outside of Class Hours: 4 hour(s) per week
Prerequisite: ARCH 130, MACH 075, and MACH 042
Catalog Description: This course covers advanced drawing techniques with a focus on mechanical applications. Advanced documentation/design practices including ASME Y14.5 tolerancing, symbol libraries, bills of material, and interface automation will be covered.
Schedule Description: This course covers advanced drawing techniques with a focus on mechanical applications. Advanced documentation/design practices including ASME Y14.5 tolerancing, symbol libraries, bills of material, and interface automation will be covered.
Rationale: Advanced documentation production.
TOP Code: 0953.40
Equate: Course not offered at CHC.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: **MACH 050**
Course Title: Electrical Safety and Hand Bending
Units: 1
Lecture: 1 contact hour(s) per week
 16 - 18 contact hours per semester
Outside of Class Hours: 2 hour(s) per week
Prerequisite: None
Catalog Description: This course covers safety rules as applied to handling and working with electrical systems and circuits including methods and procedures used in cutting, bending, and reaming conduit.
Schedule Description: This course covers safety rules as applied to handling and working with electrical systems and circuits including methods and procedures used in cutting, bending, and reaming conduit.
Rationale: This course will be part of the new Industrial Maintenance certificate program.
TOP Code: 0945.00
Equate: Course not offered at CHC.
Effective: Fall 2020

NEW COURSE*Addition to the 2020-2021 College Catalog*

Course ID:	MACH 052
Course Title:	Fasteners and Electrical Theory
Units:	1
Lecture:	1 contact hour(s) per week 16 - 18 contact hours per semester
Outside of Class Hours:	2 hour(s) per week
Prerequisite:	None
Catalog Description:	This course covers basic electrical theory and applications and installation procedures for various types of fasteners and anchors used in electrical systems and circuits.
Schedule Description:	This course covers basic electrical theory and applications and installation procedures for various types of fasteners and anchors used in electrical systems and circuits.
Rationale:	This course will be part of the new Industrial Maintenance certificate program.
TOP Code:	0945.00
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE*Addition to the 2020-2021 College Catalog*

Course ID:	MACH 054
Course Title:	National Electrical Code (NEC) and Electrical Test Equipment
Units:	2
Lecture:	2 contact hour(s) per week 32 - 36 contact hours per semester
Outside of Class Hours:	4 hour(s) per week
Prerequisite:	None
Catalog Description:	The course covers the application of electrical test equipment, the National Electrical Code (NEC), and raceway-fittings and accessories.
Schedule Description:	The course covers the application of electrical test equipment, the National Electrical Code (NEC), and raceway-fittings and accessories.
Rationale:	This course will be part of the new Industrial Maintenance certificate program.
TOP Code:	0945.00
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE*Addition to the 2020-2021 College Catalog*

Course ID:	MACH 058
Course Title:	Electrical Print Reading and Wiring
Units:	1
Lecture:	1 contact hour(s) per week 16 - 18 contact hours per semester
Outside of Class Hours:	2 hour(s) per week
Prerequisite:	None
Catalog Description:	This course covers the application of electrical print reading and the wiring of switches and receptacles used in residential, and commercial electricity.
Schedule Description:	This course covers the application of electrical print reading and the wiring of switches and receptacles used in residential, and commercial electricity.
Rationale:	This course will be part of the new Industrial Maintenance certificate program.

TOP Code: 0945.00
Equate: Course not offered at CHC.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: **MACH 060**
Course Title: Electrical Performance Testing
Units: 1
Laboratory: 3 contact hour(s) per week
 48 - 54 contact hours per semester
Prerequisite: MACH 050 and MACH 052 and MACH 054 and MACH 058
Catalog Description: In this course students will have the opportunity to demonstrate the skills learned in the classroom under the guidance of journeyman and/or qualified personnel on the jobsite.
Schedule Description: In this course students will have the opportunity to demonstrate the skills learned in the classroom under the guidance of journeyman and/or qualified personnel on the jobsite.
Rationale: This course will be part of the new Industrial Maintenance certificate program.
TOP Code: 0945.00
Equate: Course not offered at CHC.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: **MACH 062**
Course Title: Computer Numerical Control Wire Electric Discharge Machine Set up and Operations
Units: 3
Lecture: 1 contact hour(s) per week
 16 - 18 contact hours per semester
Laboratory: 6 contact hour(s) per week
 96 - 108 contact hours per semester
Outside of Class Hours: 2 hour(s) per week
Prerequisite: MACH 160
Catalog Description: This course provides the student with instruction in the concepts and practices associated with the setup, operation, and programming of Computer Numerical Control (CNC) Wire Electrical Discharge Machines (EDM).
Schedule Description: This course provides the student with instruction in the concepts and practices associated with the setup, operation, and programming of Computer Numerical Control (CNC) Wire Electrical Discharge Machines (EDM).
Rationale: Currently there is no course that offers students the opportunity to learn how to set up and operate a wire discharge machine (EDM).
TOP Code: 0956.30
Equate: Course not offered at CHC.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	MACH 076
Course Title:	Computer Numerical Control (CNC) Parts Programming and Machining
Units:	3
Lecture:	1 contact hour(s) per week 16 - 18 contact hours per semester
Laboratory:	6 contact hour(s) per week 96 - 108 contact hours per semester
Outside of Class Hours:	2 hour(s) per week
Prerequisite:	MACH 074
Catalog Description:	This course covers manual programming techniques, calculations, and program development for Computer Numerical Control (CNC) mills, machining centers, and lathes. Up to three axis of control will be discussed. Students will test part programs on Computer Numerical Control (CNC) machines during laboratory hours.
Schedule Description:	This course covers manual programming techniques, calculations, and program development for Computer Numerical Control (CNC) mills, machining centers, and lathes. Up to three axis of control will be discussed. Students will test part programs on Computer Numerical Control (CNC) machines during laboratory hours.
Rationale:	Currently there is no course that allows students to test self-written programs, set up, and operate.
TOP Code:	0956.30
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	MACH 077
Course Title:	Advanced Computer Numerical Control (CNC) Machining
Units:	3
Lecture:	1 contact hour(s) per week 16 - 18 contact hours per semester
Laboratory:	6 contact hour(s) per week 96 - 108 contact hours per semester
Outside of Class Hours:	2 hour(s) per week
Prerequisite:	MACH 076
Catalog Description:	This course provides students with advanced instruction and practice in the concepts and practices associated with programming and set up of Computer Numerical Control (CNC) mills and lathes. Students will build upon prior experience with CNC machines to complete finished parts on Computer Numerical Control (CNC) mills and lathes having various control types. Students will run programs and practice set-up processes during lab time.
Schedule Description:	This course provides advanced instruction and practice in the concepts and practices associated with programming and set up of Computer Numerical Control (CNC) mills and lathes.
Rationale:	Currently there are no advanced CNC level courses.
TOP Code:	0956.30
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	MACH 078
Course Title:	Multiple Axis Computer Numerical Control (CNC) Set-Up and Operation Machining
Units:	3
Lecture:	1 contact hour(s) per week 16 - 18 contact hours per semester
Laboratory:	6 contact hour(s) per week 96 - 108 contact hours per semester
Outside of Class Hours:	2 hour(s) per week
Prerequisite:	MACH 077
Catalog Description:	This course provides students with instruction associated with the programming and set up of Computer Numerical Control (CNC) mills with four and five axis of control. Students will build upon prior experience with Computer Numerical Control (CNC) machines to complete finished parts on Computer Numerical Control (CNC) mills with four and five axis of control. Students will run programs and practice set-up processes during the laboratory.
Schedule Description:	This course provides students with instruction associated with the programming and set up of Computer Numerical Control (CNC) mills with four and five axis of control.
Rationale:	Currently there are no multiple axis courses offered.
TOP Code:	0956.30
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	MACH 091
Course Title:	Geometric Dimensioning & Tolerancing
Units:	2
Lecture:	2 contact hour(s) per week 32 - 36 contact hours per semester
Outside of Class Hours:	4 hour(s) per week
Prerequisite:	MACH 090
Catalog Description:	This course covers Geometric Dimensioning and Tolerancing interpretation and use of ANSI Y14.5M standards applied to prints regarding industry and government standards.
Schedule Description:	This course covers Geometric Dimensioning and Tolerancing interpretation and use of ANSI Y14.5M standards applied to prints regarding industry and government standards.
Rationale:	This course will address the insufficient time needed to properly teach geometric dimensioning and tolerancing, formerly part of the print reading course
TOP Code:	0956.30
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	MACH 098
Course Title:	Machinist Technology Work Experience
Units:	1 - 4
Work Experience:	60 - 300 contact hour(s) per week
Prerequisite:	None
Catalog Description:	This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. Students work 5-20 hours per week to earn units using the following formula: For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 courses. Students MUST be working for pay or volunteer before registering for a Work Experience class. NOTE: Only one section of Work Experience may be taken during a semester.
Schedule Description:	This course involves supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. Students work 5-20 hours per week to earn units using the following formula: For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 courses. Students MUST be working for pay or volunteer before registering for a Work Experience class. NOTE: Only one section of Work Experience may be taken during a semester.
Rationale:	A pathway for the learn to earn model and apprenticeships.
TOP Code:	0956.30
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	MACH 600
Course Title:	Conventional Machine Lab
Hours:	48 - 54
Laboratory:	48 - 54 contact hour(s) per semester
Prerequisite:	None
Catalog Description:	This noncredit laboratory course provides practice on machine shop equipment. Students will work on individual projects which they will retain for their use. Training received in this course develops an ability to visualize and perform various functions necessary in the machine trade.
Schedule Description:	This noncredit laboratory course provides practice on machine shop equipment. Students will work on individual projects, which they will retain for their use. Training received in this course develops an ability to visualize and perform various functions necessary in the machine trade.
Rationale:	This course will be offered to students in the machinist technology program to allow them to gain the number of hour needed to suffice employer minimum hours of experience.
TOP Code:	0956.30
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	MACH 601
Course Title:	Computer Numerical Control (CNC) Lab
Hours:	8 - 9
Laboratory:	8 - 9 contact hour(s) per semester
Prerequisite:	None
Catalog Description:	This noncredit laboratory course provides practice on CNC machine shop equipment. Students will work on individual projects which they will retain for their use. Training received in this course develops an ability to visualize and perform various functions necessary in the machine trade.
Schedule Description:	This noncredit laboratory course provides practice on CNC machine shop equipment. Students will work on individual projects which they will retain for their use. Training received in this course develops an ability to visualize and perform various functions necessary in the machine trade.
Rationale:	This course will be offered to students in the machinist technology program to allow them to gain the number of hour needed to suffice employer minimum hours of experience.
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	MUS 108
Course Title:	History of Hip Hop Music
Units:	3
Lecture:	3 contact hour(s) per week 48 - 54 contact hours per semester
Outside of Class Hours:	6 hour(s) per week
Departmental Advisory:	ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Catalog Description:	This course presents the development of Hip hop as a musical style and cultural movement. Students will examine key figures in Hip hop, institutions, and social settings through readings, electronic media, videos, and live performance. Students will also investigate how Hip hop culture is not only a source of entertainment, but also a medium that analyzes and/or provides commentary regarding social, economic, political, and cultural issues dealing with identity, cultural genocide, misogyny, racism, classism, materialism, freedom of speech, and sexuality.
Schedule Description:	This course presents the development of hip hop as a musical style and cultural movement. Students will examine key figures in hip hop, institutions, and social settings through readings, electronic media, videos, and live performance. Students will also investigate how hip hop culture is not only a source of entertainment, but also a medium that analyzes and/or provides commentary regarding social, economic, political, and cultural issues dealing with identity, cultural genocide, misogyny, racism, classism, materialism, freedom of speech, and sexuality.
Rationale:	A course of study focusing on the history of Hip hop is an innovative and 21st-century applicable class, which is not available at this time.
TOP Code:	1004.00
Equate:	Course not offered at CHC.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	WELD 055
Course Title:	Rigging
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
Outside of Class Hours:	6 hour(s) per week
Prerequisite:	None
Catalog Description:	The course is a comprehensive study of material handling and rigging.
Schedule Description:	The course is a comprehensive study of material handling and rigging.
Rationale:	This course will be a part of the new Mechanical Craft certificate.
TOP Code:	0956.50
Equate:	Course not offered at CHC.
Effective:	Fall 2020

MODIFY COURSE

Changes to the 2019-2020 or 2020-2021 College Catalog

COURSE ID	COURSE TITLE
CHEM 101	INTRODUCTORY CHEMISTRY

Prerequisite:	ENGL 101 or ENGL 101H or READ 100 and MATH 102 or eligibility for MATH 151 or higher as determined by the SBVC assessment process.
Corequisite:	ENGL 101 or ENGL 101H or READ 100 and MATH 102
Rationale:	Updating prerequisites to include co-requisites and changing math prerequisite to math 102 pre and co-requisite
Equate:	CHEM 101 at CHC.
Effective:	Fall 2020

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

Prerequisite:	ENGL 101 or ENGL 101H or READ 100 and MATH 102 or eligibility for MATH 151 or higher as determined by the SBVC assessment process.
Corequisite:	ENGL 101 or ENGL 101H or READ 100 and MATH 102
Rationale:	Updating prerequisites to include co-requisites and changing math prerequisite to math 102 pre and co-requisite
Equate:	Course not offered at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
CHEM 151	GENERAL CHEMISTRY II

Prerequisite:	CHEM 150 and MATH 102 or SBVC assessment higher than MATH 102
Catalog Description:	General Chemistry II is the second half of a two-part sequence in chemistry with an emphasis on thermodynamics, chemical equilibrium, chemical kinetics, nuclear and electrochemistry. This course prepares students for future courses and careers in chemistry, physics, biology, health sciences, and the earth sciences.
Schedule Description:	General Chemistry II is the second half of a two-part sequence in chemistry with an emphasis on thermodynamics, chemical equilibrium, chemical kinetics, nuclear and electrochemistry. This course prepares students for future courses and careers in chemistry, physics, biology, health sciences, and the earth sciences.
Rationale:	Content review, updating prerequisite and course descriptions.
Equate:	CHEM 151 at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
CHEM 205	QUANTITATIVE CHEMICAL ANALYSIS

Prerequisite:	CHEM 151
Rationale:	Content review, updating prerequisite to remove CHEM 151H.
Equate:	Course not offered at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
CHEM 212	ORGANIC CHEMISTRY I

Prerequisite:	CHEM 151
Corequisite:	CHEM 151
Rationale:	Content review, updating prerequisite and corequisite to remove CHEM 151H.
Equate:	CHEM 212 at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
CHEM 213	ORGANIC CHEMISTRY II

Prerequisite:	CHEM 212
Rationale:	Content review, updating prerequisite to remove CHEM 212H.
Equate:	CHEM 213 at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
CULART 012	CULINARY ARTS INTERNSHIP III

Course Title: Food Truck Restaurant and Catering Services
Prerequisite: CULART 010
Corequisite: None
Catalog Description: This course provides a supervised internship in the culinary art's operational food truck restaurant. The concentration will be on building management and technical skills needed to manage or run a kitchen and caterings from a food truck.
Schedule Description: This course provides a supervised internship in the culinary art's operational Food Truck restaurant. The concentration will be on building management and technical skills needed to manage or run a kitchen and caterings from a food truck.
Rationale: Changing the name of the course gives a more accurate picture for students who are looking to understand food truck preparation.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CULART 225	SANITATION AND SAFETY

Units: 3
Lecture: 3 contact hour(s) per week
 48 - 54 contact hours per semester
Rationale: Aligning units to match HOSP 110 C-ID. Students have not been successful with the lower units, more instruction time needed.
Equate: Course not offered at CHC.
Effective: Fall 2020

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

Prerequisite: ACCT 200
Departmental Advisory: CULART 240
Catalog Description: This course includes the analysis of food, beverage and labor cost controls within a hospitality operation. Emphasis is on problem solving, cost control techniques to maximize profit while managing expenses. Topics include: establishing standards, cost-volume-profit-analysis, forecasting, purchasing and storage controls, menu costing and pricing, theft prevention and labor control.
Schedule Description: This course includes the analysis of food, beverage and labor cost controls within a hospitality operation. Emphasis is on problem solving, applying cost control techniques to maximize profits while managing expenses. Topics include: establishing standards, cost-volume-profit-analysis, forecasting, purchasing and storage controls, menu costing and pricing, theft prevention and labor control.
Rationale: Aligning culinary and hospitality courses with C-ID.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ECON 100	INTRODUCTION TO ECONOMICS

Catalog Description:	This course is an entry-level, general education course which introduces and surveys basic macroeconomic, microeconomic, and personal finance principles. This course emphasizes the causes and consequences of the business cycle on output, employment, and prices as well as, basic supply and demand analysis across different market structures. Analysis further includes the role of the government in the macro-economy and the micro-economy.
Schedule Description:	This course is an entry-level, general education course which introduces and surveys basic macroeconomic, microeconomic, and personal finance principles.
Rationale:	Content review, updating course descriptions.
Equate:	ECON 100 at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
ECON 200	PRINCIPLES OF MACROECONOMICS

Prerequisite:	None.
Departmental Advisory:	Eligibility for ENGL 101 or ENGL 101H as determined by SBVC assessment process and MATH 095 or MATH 096.
Rationale:	Content review, removing prerequisite and updating departmental advisories.
Equate:	ECON 200 at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
ECON 200H	PRINCIPLES OF MACROECONOMICS - HONORS

Prerequisite:	ENGL 101 or ENGL 101H
Departmental Advisory:	MATH 095 or MATH 096
Rationale:	Content review, updating prerequisites and departmental advisories.
Equate:	ECON 200H at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
ECON 201	PRINCIPLES OF MICROECONOMICS

Prerequisite:	None
Departmental Advisory:	Eligibility for ENGL 101 or ENGL 101H as determined by SBVC assessment process and MATH 095 or MATH 096.
Rationale:	Content review, removing prerequisite and updating departmental advisories.
Equate:	ECON 201 at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
ECON 201H	PRINCIPLES OF MICROECONOMICS - HONORS

Prerequisite: ENGL 101 or ENGL 101H
Departmental Advisory: MATH 095 or MATH 096
Rationale: Content review, updating prerequisites and departmental advisories.
Equate: ECON 201H at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ECON 208	BUSINESS AND ECONOMIC STATISTICS

Prerequisite: MATH 095 or MATH 096 or eligibility for MATH 102 as determined through the SBVC assessment process.
Rationale: Content review, updating prerequisite.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MACH 021	MACHINE SHOP I

Lecture: 1 contact hour(s) per week
 16 - 18 contact hours per semester
Laboratory: 9 contact hour(s) per week
 144 - 162 contact hours per semester
Outside of Class Hours: 2 hour(s) per week
Departmental Advisory: MACH 090 and MACH 120
Catalog Description: This course includes basic machine shop practices, with an emphasis on Occupational Safety and Health Act (OSHA), basic shop mathematics, measurements, the correct use of basic machine tools, mills, lathes, saws, drill presses, and provides an introduction to National Institute for Metalworking Skills (NIMS) Standards Level I, Bench and Layout.
Schedule Description: This course includes basic machine shop practices, with an emphasis on Occupational Safety and Health Act (OSHA), basic shop mathematics, measurements, the correct use of basic machine tools, mills, lathes, saws, drill presses, and provides an introduction to National Institute for Metalworking Skills (NIMS) Standards Level I, Bench and Layout.
Rationale: Course updating to include NIMS certification content.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MACH 022	MACHINE SHOP II

Lecture:	1 contact hour(s) per week 16 - 18 contact hours per semester
Laboratory:	9 contact hour(s) per week 144 - 162 contact hours per semester
Outside of Class Hours:	2 hour(s) per week
Catalog Description:	This course includes machine shop practices for students with a machining background. Emphasis is placed on mathematical speeds and feed formulas, boring processes on mills and lathes, tool grinding, National Institute for Metalworking Skills (NIMS) Standards. At the completion of this course, students will have completed certain NIMS certification competencies.
Schedule Description:	This course includes machine shop practices for students with a machining background. Emphasis is placed on mathematical speeds and feed formulas, boring processes on mills and lathes, tool grinding, National Institute for Metalworking Skills (NIMS) Standards. At the completion of this course, students will have completed certain NIMS certification competencies.
Rationale:	Content Review. Relaunching and updating course to align with industry standards.
Equate:	Course not offered at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
MACH 061	JIG AND FIXTURE MACHINING

Departmental Advisory:	MACH 021 and MACH 090
Catalog Description:	This course includes the study of jig and fixture, design, and machining. Techniques to support conventional and computer numerical control (CNC) machining processes to improve manufacturing efficiency and productivity are explored.
Schedule Description:	This course includes the study of jig and fixture applications for conventional and computerized numerical machining processes along with the skills and standards applied to the National Metal Working Skills (NIMS) standards.
Rationale:	Content Review. Reviewing and updating course to align with industry standards.
Equate:	Course not offered at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
MACH 071	COMPUTER NUMERICAL CONTROL MACHINING II

Course Title:	Computer Numerical Control Programming II
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
Outside of Class Hours:	2 hour(s) per week
Catalog Description:	This is an intermediate Computer Numerical Control (CNC) programming course which focuses on manual coding of various machine tool control languages. It includes programming concepts, and hands on manual programming to manufacture parts using Fanuc, Haas, and Mazak CNC machine tools.

Schedule Description: This is an intermediate Computer Numerical Control (CNC) programming course which focuses on manual coding of various machine tool control languages. It includes programming concepts, and hands on manual programming to manufacture parts using Fanuc, Haas, and Mazak CNC machine tools.

Rationale: Review, update, and relaunch. Change in lecture/lab hours to better present material.

Equate: Course not offered at CHC.

Effective: Fall 2020

COURSE ID	COURSE TITLE
MACH 072	COMPUTER AIDED DESIGN AND MANUFACTURING I

Course Title: Computer Aided Design and Manufacturing Programming I

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

Outside of Class Hours: 2 hour(s) per week

Rationale: Review, update, and relaunch. Change to lecture/lab hours to better present material.

Equate: Course not offered at CHC.

Effective: Fall 2020

COURSE ID	COURSE TITLE
MACH 073	COMPUTER AIDED DESIGN AND MANUFACTURING II

Course Title: Computer Aided Design and Manufacturing Programming II

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

Outside of Class Hours: 2 hour(s) per week

Catalog Description: This course includes the study and use of Mastercam software, 3-D mill, solids, and lathe programming. Speeds, feeds, and tool path programming for generating G- code of complex surfaces are explored.

Schedule Description: This course includes the study and use of Mastercam software, 3-D mill, solids, and lathe programming. Speeds, feeds, and tool path programming for generating G- code of complex surfaces are explored.

Rationale: Review, update, and relaunch. Change to lecture/lab hours to better present material.

Equate: Course not offered at CHC.

Effective: Fall 2020

COURSE ID	COURSE TITLE
MACH 074	SET-UP AND OPERATION OF CNC MACHINES

Course Title:	Computer numerical Control (CNC) Machining Setup and Operation
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
Outside of Class Hours:	2 hour(s) per week
Catalog Description:	This is an introductory course designed to teach the fundamental skills related to the setup and operation of Computer Numerically Controlled (CNC) machine tools. Safety, tool selection, speeds and feeds, machine and controller functions, and calculation and input of offsets, are also included.
Schedule Description:	This is an introductory course designed to teach the fundamental skills related to the setup and operation of Computer Numerically Controlled (CNC) machine tools. Safety, tool selection, speeds and feeds, machine and controller functions, and calculation and input of offsets, are also included.
Rationale:	Review, update, and relaunch. Change to lecture/lab hours to better present material.
Equate:	Course not offered at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
MACH 075	INTRODUCTION TO COMPUTER AIDED DESIGN/SOLIDWORKS

Course Title:	Introduction to Three-Dimensional Computer-Aided Design (3D-CAD)
Rationale:	Updating title.
Equate:	Course not offered at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
MACH 090	MECHANICAL PRINT READING, GEOMETRIC DIMENSIONING AND TOLERANCING

Course Title:	Mechanical Print Reading
Lecture:	2 contact hour(s) per week 32 - 36 contact hours per semester
Laboratory:	3 contact hour(s) per week 48 - 54 contact hours per semester
Outside of Class Hours:	4 hour(s) per week
Catalog Description:	This course is a study in print interpretation with an emphasis on terminology. It also includes sketching, precision metrology, and concepts related to mechanical drawing standards, language of the American Society of Mechanical Engineers (ASME) Y14 series 2014, and how these apply to the mechanical print inspection processes.
Schedule Description:	This course is a study in print interpretation with an emphasis on terminology. It also includes sketching, precision metrology, and concepts related to mechanical drawing standards, language of the American Society of Mechanical Engineers (ASME) Y14 series 2014, and how these apply to the mechanical print inspection processes.

Rationale: Separate courses are needed to address print reading and Geometric dimensioning and tolerancing. This course is being updated to include updated ASME Y14 series 2014 standards.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MACH 120	MACHINE SHOP THEORY

Catalog Description: This is a lecture course with instruction in the fundamentals of industrial processes and machines that are required of the machinist. Shop safety practices, job planning, feeds and speeds, layout tools, hand tools, bench work, and metal-cutting machines are covered.

Schedule Description: This is a lecture course with instruction in the fundamentals of industrial processes and machines that are required of the machinist. Shop safety practices, job planning, feeds and speeds, layout tools, hand tools, bench work, and metal-cutting machines are covered.

Rationale: Updating course descriptions.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MACH 123	MACHINE SHOP III

Lecture: 1 contact hour(s) per week
 16 - 18 contact hours per semester
Laboratory: 9 contact hour(s) per week
 144 - 162 contact hours per semester

Outside of Class Hours: 2 hour(s) per week

Catalog Description: This course includes intermediate machine shop practices. Emphasis is placed on set up of machine tool accessories: steady rests, vises, rotary tables, indexers, and precision grinding accessories: precision vice, punch former, surface grinder radius dresser. At the completion of the course, students may qualify for National Institute for Metalworking Skills (NIMS).

Schedule Description: This course includes intermediate machine shop practices. Emphasis is placed on set up of machine tool accessories: steady rests, vises, rotary tables, indexers, and precision grinding accessories: precision vice, punch former, surface grinder radius dresser. At the completion of the course, students may qualify for National Institute for Metalworking Skills (NIMS).

Rationale: Review, update, and relaunch. Change to lecture/lab hours to better present material.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MACH 124	MACHINE SHOP IV

Lecture:	1 contact hour(s) per week 16 - 18 contact hours per semester
Laboratory:	9 contact hour(s) per week 144 - 162 contact hours per semester
Outside of Class Hours:	2 hour(s) per week
Catalog Description:	This course includes advanced machine shop practices. Emphasis is placed on high precision with low tolerance manufacturing, advanced math applications, special tool grinding, part indexing, and carbide applications. At the completion of the course, students should have completed the National Institute for Metalworking Skills (NIMS) certification competency tests in Manual Milling and Grinding Skills I.
Schedule Description:	This course includes advanced machine shop practices. Emphasis is placed on high precision with low tolerance manufacturing, advanced math applications, special tool grinding, part indexing, and carbide applications. At the completion of the course, students should have completed the National Institute for Metalworking Skills (NIMS) certification competency tests in Manual Milling and Grinding Skills I.
Rationale:	Review, update, and relaunch. Change to lecture/lab hours to better present material.
Equate:	Course not offered at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
MACH 129	MANUFACTURING PROCESSES

Catalog Description:	The course is designed to provide a basic understanding of the manufacturing process: need, scope, advantages, limitation, economics, application, materials, and manufacturing. An overview of different methods for industrial materials manufacturing processes including casting, imaging and coating, molding, forming, machining, joining, and additive manufacturing will be covered.
Schedule Description:	The course is designed to provide a basic understanding of the manufacturing process: need, scope, advantages, limitation, economics, application, materials, and manufacturing. An overview of different methods for industrial materials manufacturing processes including casting, imaging and coating, molding, forming, machining, joining, and additive manufacturing will be covered.
Rationale:	Updating descriptions.
Equate:	Course not offered at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
MACH 160	TOOL AND DIE

Lecture:	1 contact hour(s) per week 16 - 18 contact hours per semester
Laboratory:	9 contact hour(s) per week 144 - 162 contact hours per semester
Outside of Class Hours:	2 hour(s) per week
Catalog Description:	This course includes the study and design of tool and die making processes; die cutting and forming; power presses dies for stamping and forming metal parts; and standards as outlined in the National Institute for Metalworking Skills (NIMS) standards.
Schedule Description:	This course includes the study and design of tool and die making processes; die cutting and forming; power presses dies for stamping and forming metal parts; and standards as outlined in the National Institute for Metalworking Skills (NIMS) standards.
Rationale:	Review, update, and relaunch. Change to lecture/lab hours to better present material.
Equate:	Course not offered at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
MUS 100	MUSIC APPRECIATION

Departmental Advisory:	ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale:	Content review, updating advisory.
Equate:	Course not offered at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
MUS 101	MUSIC THEORY I: FUNDAMENTALS

Departmental Advisory:	ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale:	Content review, updating advisory.
Equate:	MUSIC 101 at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
MUS 104	HISTORY OF ROCK AND ROLL

Departmental Advisory:	ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale:	Content review, updating advisory.
Equate:	Course not offered at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
MUS 105	AMERICAN POPULAR MUSIC

Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, updating advisory.
Equate: MUSIC 103 at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 106	HISTORY OF JAZZ

Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, updating advisory.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 107	MUSIC OF THE WORLD

Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, updating advisory.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 117A	ELEMENTARY ACOUSTIC GUITAR

Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Catalog Description: This course is a study of basic guitar emphasizing stringing, tuning and fingering. Students must provide their own acoustic guitar.
Schedule Description: This course is a study of basic guitar emphasizing stringing, tuning and fingering. Students must provide their own acoustic guitar.
Rationale: Content review, updating advisory.
Equate: MUSIC 132 at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 117B	INTERMEDIATE ACOUSTIC GUITAR

Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, updating advisory.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 117D	ADVANCED ACOUSTIC GUITAR

Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, updating advisory.
Equate: Course not offered at CHC.
Effective: Fall 2020

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

Course Title: Music History and Literature-Middle Ages through Baroque
Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Catalog Description: This course provides an overview of the historical development of music from the Middle Ages (1450) through the Baroque Period (1750). 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 (1450) through the Baroque Period (1750). Emphasis is placed on appreciation of musical form, and the role of music in a multicultural society relative to historical events.
Rationale: Content review, updating title, advisory, and descriptions.
Equate: MUSIC 120 at CHC.
Effective: Fall 2020

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

Course Title: Music History and Literature - Middle Ages through Baroque - Honors
Prerequisite: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Catalog Description: This course provides an overview of the historical development of music from the Middle Ages (1450) through the Baroque Period (1750). 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 (1450) through the Baroque Period (1750). 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, updating title, prerequisite, and descriptions.
Equate: MUSIC 120H at CHC.
Effective: Fall 2020

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

Course Title:	Music History and Literature - Classic through Contemporary
Departmental Advisory:	ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Catalog Description:	This course provides an overview of the historical development of music from Classicism (1750) 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 (1750) 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, updating title, advisory, and descriptions.
Equate:	Course not offered at CHC.
Effective:	Fall 2020

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

Course Title:	Music History and Literature - Classic through Contemporary - Honors
Prerequisite:	ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Catalog Description:	This course provides an overview of the historical development of music from Classicism (1750) 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 (1750) 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, updating title, prerequisite, and descriptions.
Equate:	Course not offered at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
MUS 123	ELECTRONIC MUSIC I

Departmental Advisory:	ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale:	Content review, updating advisory.
Equate:	Course not offered at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
MUS 124	ELECTRONIC MUSIC II

Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, updating advisory.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 130	ELEMENTARY VOICE

Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, updating advisory.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 131	INTERMEDIATE VOICE

Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, updating advisory.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 133	ELEMENTARY PIANO

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
Outside of Class Hours: 1 hour(s) per week
Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, updating units, hours, and advisory.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 134A	INTERMEDIATE PIANO

Course ID:	MUS 134
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
Outside of Class Hours:	1 hour(s) per week
Departmental Advisory:	ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Catalog Description:	This course focuses on the improvement of keyboard facility and sight-reading abilities, utilizing improvisation and harmonization skills through simplified arrangements and original composition. This course will be useful for those desiring to strengthen keyboard skills. (Formerly MUS 134A)
Schedule Description:	This course focuses on the improvement of keyboard facility and sight-reading abilities, utilizing improvisation and harmonization skills through simplified arrangements and complex piano selections. This course will be useful for those desiring to strengthen keyboard skills. (Formerly MUS 134A)
Rationale:	Content review, updating units, hours, and advisory.
Equate:	Course not offered at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
MUS 135	ADVANCED PIANO

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
Outside of Class Hours:	1 hour(s) per week
Departmental Advisory:	ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale:	Content review, updating units, hours, and advisory.
Equate:	MUSIC 135 at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
MUS 141x2	APPLIED MUSIC I

Departmental Advisory:	ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale:	Content review, updating advisory.
Equate:	MUSIC 141x2 at CHC.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
MUS 150x4	MIXED CHORUS

Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, updating advisory.
Equate: MUSIC 150x4 at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 152x4	CHAMBER SINGERS

Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, updating advisory.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 153x4	CHAMBER CHORALE

Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, updating advisory.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 154x4	COLLEGE SINGERS

Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, updating advisory.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 156x4	CONCERT CHOIR

Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, updating advisory.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 158x4	GOSPEL CHOIR

Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, updating advisory.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 162x4	WIND ENSEMBLE

Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, updating advisory.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 166x4	CONCERT BAND

Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, updating advisory.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 170	JAZZ IMPROVISATION AND THEORY I

Course ID: MUS 170x2
Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Rationale: Content review, Course ID and advisory.
Equate: Course not offered at CHC.
Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 171	JAZZ IMPROVISATION AND THEORY II

Course ID: MUS 171x2
Prerequisite: MUS 170
Departmental Advisory: ENGL 101 or ENGL 101H or eligibility as determined by the SBVC assessment process.
Catalog Description: This course presents the intermediate to advanced concepts of Jazz improvisation skills and Jazz theory. This is an ensemble with emphasis placed on modal and pentatonic scales, hard bop style, and modern jazz. An audition with the director is mandatory for participation in this ensemble.

Schedule Description: This course presents the intermediate to advanced concepts of Jazz improvisation skills and Jazz theory. This is an ensemble with emphasis placed on modal and pentatonic scales, hard bop style, and modern jazz. An audition with the director is mandatory for participation in this ensemble.

Rationale: Content review, updating Course ID, prerequisite, advisory, and course descriptions.

Equate: Course not offered at CHC.

Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 180	INSTRUMENTAL CHAMBER MUSIC

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

Rationale: Content review, updating advisory.

Equate: Course not offered at CHC.

Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 222	INDEPENDENT STUDY IN MUSIC

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

Rationale: Content review, updating advisory.

Equate: Course not offered at CHC.

Effective: Fall 2020

COURSE ID	COURSE TITLE
MUS 241x2	APPLIED MUSIC II

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

Rationale: Content review, updating advisory.

Equate: Course not offered at CHC.

Effective: Fall 2020

COURSE ID	COURSE TITLE
SOC 100H	INTRODUCTION TO SOCIOLOGY - HONORS

Prerequisite: ENGL 101 or ENGL 101H

Rationale: Regular content review of course, and updating requisites.

Equate: SOC 100H at CHC.

Effective: Fall 2020

COURSE ID	COURSE TITLE
SOC 110H	SOCIAL PROBLEMS - HONORS

Prerequisite:	ENGL 101 or ENGL 101H
Catalog Description:	This course is an examination of contemporary social issues in the United States including causes, consequences, interventions, and solutions, with an emphasis on social institutions and other topics such as crime, inequalities, substance abuse, and the role of power and ideology in the construction and definitions of social problems. This course is intended for students in the Honors Program, but is open to all students who desire more challenging work.
Schedule Description:	This course is an examination of contemporary social issues in the United States including causes, consequences, interventions, and solutions, with an emphasis on social institutions and other topics such as crime, inequalities, substance abuse, and the role of power and ideology in the construction and definitions of social problems. This course is intended for students in the Honors Program, but is open to all students who desire more challenging work.
Rationale:	Regular content review of course, and updating requisites.
Equate:	SOC 105 at CHC.
Effective:	Fall 2020

COURSE DELETION

CHEM 104H CHEM 212H PS 112	CHEM 110 CHEM 213H	CHEM 150H MUS 134B	CHEM 151H PS 101
Rationale:	Courses are no longer offered.		
Effective:	Fall 2020		

DISTANCE EDUCATION

ECON 100 ECON 201H MUS 104 SOC 110H	ECON 200 ECON 208 MUS 105	ECON 200H ENVT 100 MUS 106	ECON 201 MUS 100 SOC 100H
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 2020		

NEW CERTIFICATE

MECHANICAL CRAFT CERTIFICATE

The goal of the Mechanical Craft Certificate is to prepare students for a career as an Industrial Maintenance Technician that require fabrication skills. Industrial maintenance certified trainees are needed in every industry that uses machinery, from automotive assembly plants to crane manufacturers. Technicians who successfully complete these courses may receive the mechanical craft certificate. Certified technicians will be able to demonstrate specialized skills and will have more opportunities for career advancement. Technicians who successfully complete some of the NCCER (National Center of Construction Education and Research) modules will receive credit toward this certificate and vice versa.

REQUIRED COURSES:

		Units
MACH 025	General Machine Shop	3
MACH 090	Mechanical Print Reading	3
MACH 092	Introduction to Hydraulics & Pneumatics	4
MACH 094	Introduction to Fluid Pumping Systems	4
MACH 097	Introduction to Mechanical Drives, Power Transmission, and Bearings & Seals	4
OSHA 035	Federal OSHA Outreach: General Industry Safety	2
WELD 055	Rigging	4
Total Units		24

Effective: Fall 2020

MODIFY CERTIFICATE

BAKING CERTIFICATE

The baking certificate will give students the fundamental knowledge and skills to prepare to be an accomplished professional in the baking and pastry arts. Students will create hearth and specialty breads, desserts, pastry, patisserie, and confections. Students will develop skills in menu development, communication, food safety, and cost control. They will also take courses in management, communication, and small business to gain entrepreneurial skills.

REQUIRED COURSES:

		Units
CULART 040	Introduction to Baking	3
CULART 041	Desserts and Pastries	5.5
CULART 042	Cake Decorating	3
CULART 043	Advanced Desserts and Pastry/Chocolate/Sugar	5.5
CULART 044	Introduction to Baking Skills, Ingredients, and Technology	3
CULART 101	Introduction to Hospitality and Customer Service	3
CULART 180	Small Business and Catering Management	5.5
CULART 201	Management of Human Resources in Hospitality	3
CULART 205	Principles of Design and Presentation	3
CULART 225	Sanitation and Safety	3
CULART 240	Procurement, Purchasing and Selection	3
CULART 275	Food, Beverage and Labor Cost Control	3
Total Units		43.5

Rationale: Modification; updating units for CULART 225

Effective: Fall 2020

MODIFY CERTIFICATE

BAKING BUSINESS CERTIFICATE

This certificate will give students the fundamental knowledge and skills to become an accomplished professional in baking and pastry arts. Students will learn about menu development, communication, food safety, and cost control. Students will also learn about management, communication and small business to gain entrepreneurial skills.

REQUIRED COURSES:

		Units
CULART 040	Introduction to Baking	3
CULART 041	Desserts and Pastries	5.5
CULART 044	Introduction to Baking Skills, Ingredients, and Technology	3
CULART 101	Introduction to Hospitality and Customer Service	3
CULART 180	Small Business and Catering Management	5.5
CULART 225	Sanitation and Safety	3
CULART 240	Procurement, Purchasing and Selection	3
CULART 275	Food, Beverage and Labor Cost Control	3
Total Units		29

Rationale: Modification; updating units for CULART 225
Effective: Fall 2020

MODIFY CERTIFICATE

BASIC OPERATION COMPUTERIZED NUMERICAL CONTROL (CNC) CERTIFICATE

This certificate is designed to prepare students for entry-level employment in Computer Aided Manufacturing (CAM) programming, set up, and operation of Computer numerical control (CNC) machine tools

REQUIRED COURSES:

		Units
MACH 090	Mechanical Print Reading	3
MACH 025	General Machine Shop	3
MACH 072	Computer Aided Design and Manufacturing programming I	3
MACH 073	Computer Aided Design and Manufacturing programming II	3
MACH 070	Computer Numerical Control Programming (CNC) I	3
MACH 074	Computer numerical Control (CNC) Machining Setup and Operation	3
Total Units		18

Rationale: Modification; updating to align with industry standards
Effective: Fall 2020

MODIFY CERTIFICATE

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
	or	
CULART 012	Food Truck Restaurant and Catering Services	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	3
CULART 240	Procurement, Purchasing and Selection	3
CULART 250	Food, Wine and Beverage Service Concepts	3
CULART 275	Food, Beverage and Labor Cost Control	3
CULART 280	Principles of Food and Beverage Management	3
Total Units		43.5

Rationale:

Modification; updating CULART 012 and units for CULART 225

Effective:

Fall 2020

MODIFY CERTIFICATE

FOOD PREPARATION CERTIFICATE

The Food Preparation Certificate is designed to prepare students for employment in food preparation, production, and food services management. Students will be taught, in a laboratory setting, all facets of the food service industry: from knife skills and sauce-making to menu-planning and artful plating. In addition, classroom learning will highlight food industry business operations and management.

REQUIRED COURSES:

		Units
CULART 010	Restaurant Service and Catering I	5.5
CULART 011	Restaurant Service and Catering II	5.5
	or	
CULART 012	Food Truck Restaurant and Catering Services	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 225	Sanitation and Safety	3
CULART 240	Procurement, Purchasing and Selection	3
CULART 250	Food, Wine and Beverage Service Concepts	3

Total Units	34.5
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Rationale:	Modification; updating CULART 012 and units for CULART 225
Effective:	Fall 2020

MODIFY CERTIFICATE
FOOD SERVICE CERTIFICATE

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

REQUIRED COURSES:	Units
BUSAD 100 Introduction to Business	3
CULART 101 Introduction to Hospitality and Customer Service	3
CULART 160 Introduction to Foods	3
CULART 161 Quantity Food Preparation	3
CULART 201 Management of Human Resources in Hospitality	3
CULART 225 Sanitation and Safety	1
CULART 235 Menu Planning Principles	3
CULART 240 Procurement, Purchasing and Selection	3
CULART 250 Food, Wine and Beverage Service Concepts	3
CULART 275 Food, Beverage and Labor Cost Control	3
Total Units	28

Rationale:	Modification; updating units for CULART 225
Effective:	Fall 2019

MODIFY CERTIFICATE
GRAPHIC DESIGN CERTIFICATE

This certificate is designed to prepare students for entry-level work using a variety of print, electronic, and film media to create designs that meet clients' commercial needs.

REQUIRED COURSES:	Units
ENGL 101 Freshman Composition	4
or	
ENGL 101H Freshman Composition-Honors	4
ART 120 Two-Dimensional Design	3
ART 145 Fundamentals of Graphic Design	3
ART 148 Beginning Computer Graphic Design	3
ART 149 Intermediate Computer Graphic Design	3
ART 161 Digital Photography	3
ART 185 Beginning Website Design	3
or	
BUSAD 100 Introduction to Business	3
CHOOSE ONE ART HISTORY COURSE LISTED BELOW:	Units
ART 100 Art History: The Stone Age to the Middle Ages	3
ART 102 Art History: Renaissance to Present	3

ART 102H	Art History: Renaissance to Present - Honors	3
ART 105	History of Modern Art	3
ART 107	Art History: Africa, Oceania and the Americas	3
ART 108	Art of Mexico and Mesoamerica	3
Total Units		25

Rationale: Modification; updating courses and course sequence.
Effective: Fall 2019

MODIFY CERTIFICATE

HUMAN SERVICES CERTIFICATE

This certificate is designed to prepare students for entry-level employment in human services with a knowledge of intervention methodologies at the individual, group, and community levels.

REQUIRED COURSES:	Units
HUMSV 167 Crisis Intervention	3
HUMSV 170 Introduction to Human Services	3
HUMSV 172 Group and Family Dynamics	3
HUMSV 173 Helping and Interpersonal Skills	3
HUMSV 179 Law and Ethics	3
SOC 110 Social Problems	3

or

SOC 141 Race and Ethnic Relations	3
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CHOOSE TWO COURSES FROM:	Units
HUMSV 130 Introduction to Addiction Studies	3
HUMSV 131 Co-Occur Disorders	3
HUMSV 132 Diverse Populations	3
HUMSV 134 Family Dynamics of Addiction	3
HUMSV 135 Prevention, Intervention and Recovery	3
HUMSV 140 Case Management in Public Service	3
HUMSV 147 Career Specialist	3

REQUIRED FIELD WORK COURSES:

A minimum of four Human Services courses are required from: HUMSV 167, 170, 172, 173, and 179. Courses must be completed with a grade of C or better prior to field work courses.

THE FOLLOWING TWO COURSES ARE TO BE TAKEN CONCURRENTLY:

HUMSV 195A Human Services: Intern Seminar I	1
HUMSV 198C Human Services Field Work I	2

THE FOLLOWING TWO COURSES ARE TO BE TAKEN CONCURRENTLY: **Units**

HUMSV 195A Human Services: Intern Seminar I	1
HUMSV 198D Human Services Field Work II	2

CHOOSE ONE COURSE FROM THE LIST BELOW: **Units**

ANTHRO 102 Cultural Anthropology	3
or	
ANTHRO 102H Cultural Anthropology - Honors	3
PSYCH 100 General Psychology	3
or	

PSYCH 100H	General Psychology - Honors	3
SOC 100	Introduction to Sociology	3
	or	
SOC 100H	Introduction to Sociology - Honors	3
Total Units		39

Rationale: Modification; updating courses and course sequence.
Effective: Fall 2020

MODIFY CERTIFICATE

INDUSTRIAL MAINTENANCE CERTIFICATE

Industrial Maintenance certified trainees are needed in every industry that uses machinery, from automotive assembly plants to crane manufacturers. Technicians who successfully complete these courses may receive industrial maintenance certificate. Certified technicians will be able to demonstrate specialized skills and will have more opportunities for career advancement. Technicians who successfully complete some of the NCCER (National Center of Construction Education and Research) modules will receive credit toward this certificate and vice versa.

Required Courses:		Units
MACH 010	Fundamentals of Industrial Maintenance	1
MACH 014	Craft Related Quantitative Skills	1
MACH 016	Construction print reading	1
MACH 018	Gaskets, Pumps, and Valves	1.5
MACH 020	Material Handling, and Support Equipment	1.5
MACH 024	Introduction to Piping	1
MACH 026	Valve Maintenance and Testing	1
MACH 028	Introduction to Bearings	1
MACH 029	Basic Layout for Industrial Maintenance	1
MACH 030	Introduction to Steam Systems	2
MACH 032	Distillation Towers and Vessels	1
MACH 034	Heaters and Cooling Towers	1
MACH 050	Electrical Safety and Hand Bending	1
MACH 052	Fasteners and Electrical Theory	1
MACH 054	National Electrical Code (NEC) and Electrical Test Equipment	2
MACH 058	Electrical Print Reading and Wiring	1
MACH 060	Electrical Performance Testing	1
WELD 012	Oxy-Fuel Welding	2
Total Units		22

Rationale: Modification; updating certificate to align with industry standards.
Effective: Fall 2020

MODIFY CERTIFICATE

MACHINIST STANDARD CERTIFICATE

This certificate is designed to prepare students for entry-level employment in manufacturing using advanced setup techniques on machine tools such as lathes, mills, and grinders to produce close tolerance precision parts

REQUIRED COURSES:		Units
MACH 021	Machine Shop I	4
MACH 022	Machine Shop II	4
MACH 123	Machine Shop III	4
MACH 124	Machine Shop IV	4
MACH 120	Machine Shop Theory	2
MACH 090	Mechanical Print Reading	3
MACH 091	Geometric Dimensioning & Tolerancing	2
MACH 129	Manufacturing Processes	3
Total Units		26

Rationale: Modification; updating certificate to align with industry standards.
Effective: Fall 2020

MODIFY CERTIFICATE

WEB AND MULTIMEDIA DESIGN CERTIFICATE

This certificate is designed to prepare students for entry-level work in a variety of occupations related to web site design, development, creation, and maintenance.

REQUIRED COURSES:		Units
ENGL 101	Freshman Composition	4
	or	
ENGL 101H	Freshman Composition-Honors	4
ART 120	Two-Dimensional Design	3
ART 148	Beginning Computer Graphic Design	3
ART 161	Digital Photography	3
ART 185	Beginning Website Design	3
ART 186	Interactive Web Design	3
ART 180	Beginning 3D Computer Animation	3
	or	
BUSAD 100	Introduction to Business	3
CHOOSE ONE ART HISTORY COURSE LISTED BELOW:		Units
ART 100	Art History: The Stone Age to the Middle Ages	3
ART 102	Art History: Renaissance to Present	3
ART 102H	Art History: Renaissance to Present - Honors	3
ART 105	History of Modern Art	3
ART 107	Art History: Africa, Oceania and the Americas	3
ART 108	Art of Mexico and Mesoamerica	3
Total Units		25

Rationale: Content review, adding ENGL 101 and updating layout.
Effective: Fall 2019

NEW DEGREE

CHEMISTRY ASSOCIATE OF SCIENCE TRANSFER DEGREE

The Associate in Science in Chemistry for Transfer (AS-T) is intended for students who plan to transfer and complete a Bachelor's degree in Chemistry, or a similar major at a CSU campus. It serves the diverse needs of students who wish to obtain a broad and an in-depth understanding of the field. The Chemistry Department offers comprehensive and integrative studies in each of the introductory courses of Chemistry. The AS-T in Chemistry is designed to prepare students who wish to pursue a bachelor's degree from a four-year institution. At the four-year institution, students may choose to specialize in one particular aspect of chemistry, such as Environmental Chemistry, Organic Chemistry, Atmospheric Chemistry, or Physical Chemistry. The objective of this degree is to delineate a successful career path for our community college students entering the Chemistry program and to provide opportunities that explore the Chemistry major.

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 Chemistry AS-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 at least 2.0; and
- certified completion of the CSU General Education-Breadth (CSUGE) for STEM or Intersegmental General Education Transfer Curriculum (IGETC-CSU) for STEM which requires a minimum of 31-33 units.

It is highly recommended 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 Chemistry should consult with a STEM counselor or general counselor regarding the transfer process and lower division requirements. Completion of CSU GE-Breadth for STEM or (IGETC-CSU) for STEM is required in addition to the major requirements.

REQUIRED CORE COURSES (34 Units):

		Units
CHEM 150	General Chemistry I	5
CHEM 151	General Chemistry II	5
CHEM 212	Organic Chemistry I	4
CHEM 213	Organic Chemistry II	4
PHYSIC 202	Physics I	4
PHYSIC 203	Physics II	4
MATH 250	Single Variable Calculus I	4
MATH 251	Single Variable Calculus II	4
Major Total: 34		34
Total Double-Counted Units: 7		7
*General Education (CSU-GE for STEM or IGETC for STEM) Units: 31-33		31-33
Elective (CSU Transferable) Units: 0-2		0-2

Total Units

60

**This AS-T presumes completion of IGETC for STEM or CSU-GE Breadth for STEM, allowing for completion of 6 units of non-STEM GE work after transfer.*

Effective: Fall 2020

NEW DEGREE

COMPUTER SCIENCE ASSOCIATE OF SCIENCE TRANSFER DEGREE

The field of Computer Science is the study of technology and computation which include methods by which data is accessed and manipulated. This includes representational computation, computer learning paradigms, code constructs, algorithmic modeling, and software development and testing. The SBVC Associate in Science for Transfer (AS-T) degree in Computer Science prepares students for transfer to four-year colleges and universities. Students opting for a degree in computer Science will be prepared to take classes in systems analysis, mathematics, data structures, C++, C#, Python, along with a variety of developing code structures in the cloud or local technologies. After acquiring the skills in this field, students will be prepared to manage and adjust to new and emerging technologies worldwide.

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 this Computer Science AS-T degree, students must meet the following requirements:

- completion of the following major requirements with grades of C or better;
- completion of a minimum of 60 CSU transferable semester units with a grade point average of a least 2.0; and
- certified completion of the Intersegmental General Education Transfer Curriculum (IGETC) for CSU only, which requires a minimum of 37 units.

It is highly recommended that students complete courses that satisfy the U.S. History, Constitution, and American Ideals requirement as part of IGETC before transferring to a CSU. Students planning to transfer to a four-year institution and major in Computer Science should consult with a counselor regarding the transfer process and lower division requirements.

REQUIRED CORE COURSES: (29-30 Units)

		Units
CS 110	Fundamentals of Computer Science	3
CS 130	Discrete Structures	3
CS 170	Assembly Language	4
CS 265	Data Structures and Algorithms with C++	3
MATH 250	Single Variable Calculus I	4
MATH 251	Single Variable Calculus II	4
PHYSIC 202	Physics I	4
PHYSIC 203	Physics II	4
	or	
BIOL 205	Cell and Molecular Biology	4
	or	
BIOL 206	Organismal Biology	4
	or	
CHEM 150	General Chemistry I	5
Major Total:		29-30
IGETC for CSU requirements:		37
Total units that may be double-counted:		7-10
CSU electives (as needed to reach 60 transferable units):		0-1
Total Units		60

IGETC-CSU is the only approved General Education pattern for this degree.

Effective: Fall 2020

NEW DEGREE**ECONOMICS ASSOCIATE OF ARTS TRANSFER DEGREE**

The Economics program focuses on the systematic study of the production, conservation and allocation of resources in conditions of scarcity, together with the organizational frameworks related to these processes. Economics is truly all around us, present in almost every aspect of our lives from the perspective that every human activity involves choice between alternatives (i.e., trade-offs) and the use of some scarce resource. Studying the subject gives students a general understanding of the world and its inner workings. Students learn everything from what determines the price of goods and services to why the average standards of living vary so widely within and between countries. An economics major is very versatile and provides excellent preparation for law school. Economics majors can find positions with the government, in all areas of business decision-making, in positions associated with technology or finance, and more.

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

- completion of the following major requirements with grades of C or better;
- completion of a minimum of 60 CSU transferable semester units with a grade point average of 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 37-39 units.

It is highly recommended 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 Economics should consult with a counselor regarding the transfer process and lower division requirements.

REQUIRED CORE COURSES: (12-13 Units)

		Units
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
ECON 208	Business and Economic Statistics	4
	or	
MATH 108	Introduction to Probability and Statistics	4
MATH 141	Business Calculus	4
	or	
MATH 250	Single Variable Calculus I	4

LIST A: Select one course from the following: (3-4 units)

		Units
ACCT 200	Financial Accounting	4
ACCT 201	Managerial Accounting	4
BUSAD 127	Business Communication	3
CIT 101	Introduction to Computer Literacy	3

MATH 102	College Algebra	4
MATH 151	Precalculus	4
MATH 251	Single Variable Calculus II	4
LIST B: Select one course from the following: (3-5 Units)		Units
ECON 100	Introduction to Economics	3
MATH 252	Multivariable Calculus	5
MATH 265	Linear Algebra	4
MAJOR TOTAL:		20-23
CSU GE-Breadth or IGETC for CSU Requirements:		37-39
Total Units that may be double-counted for CSU-GE or IGETC:		9
CSU Electives (as needed to reach 60 transferable units):		7-12
Total Units		60

Effective: Fall 2020

NEW DEGREE

ENVIRONMENTAL SCIENCE ASSOCIATE OF SCIENCE TRANSFER DEGREE

The goals of the Environmental Science program are to: 1) meet the needs of students who are majoring in one of the diverse fields encompassed by environmental science, and 2) provide options for students fulfilling general education science requirements.

Awareness of the issues of environmental quality is increasingly important in business, industry, and government. The growing human population and increasing consumption of resources are creating unprecedented pressures on our planetary life support systems. Environmental Science Majors need to complete an interdisciplinary set of core requirements that provide a basic understanding of the physical, biological, and social sciences and the relevance of these sciences to environmental processes and issues. In addition, the coursework will prepare students for related baccalaureate majors, including: biology, chemistry, engineering, geography (including emphasis in geographic information systems (GIS)), geology, mathematics, oceanography, and physics. For non-majors, the program’s goal is to educate students to make better-informed choices about key environmental and health issues.

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 this Environmental Science AS-T degree, students must meet the following requirements:

- completion of the following major requirements with grades of C or better;
- completion of a minimum of 60 CSU transferable semester units with a grade point average of a least 2.0; and
- certified completion of the CSU General Education-Breadth (CSUGE) for STEM or Intersegmental General Education Transfer Curriculum (IGETC-CSU) for STEM, which requires a minimum of 31-33 units.

It is highly recommended 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 Environmental Science should consult with a counselor regarding the transfer process and lower division requirements.

REQUIRED CORE COURSES (14 Units):		Units
BIOL 205	Cell and Molecular Biology	4
CHEM 150	General Chemistry I	5
	and	
CHEM 151	General Chemistry II	5

LIST A: (15 Units)		Units
ENVT 100	Introduction to Environmental Science	3
GEOL 101	Introduction to Physical Geology	3
	and	
GEOL 111	Introduction to Physical Geology Laboratory	1
	or	
GEOG 110	Physical Geography	3
	and	
GEOG 111	Physical Geography Laboratory	1
	or	
GEOG 111H	Physical Geography Laboratory - Honors	1
MATH 108	Introduction to Probability and Statistics	4
	or	
ECON 208	Business and Economic Statistics	4
	or	
PSYCH 105	Statistics for the Behavioral Sciences	4
	and	
MATH 250	Single Variable Calculus I	4
	or	
MATH 141	Business Calculus	4

LIST B: Select two to three courses (11 units)		Units
ECON 201	Principles of Microeconomics	3
	or	
ECON 201H	Principles of Microeconomics - Honors	3
PHYSIC 202	Physics I	4
	and	
PHYSIC 203	Physics II	4

Major Total:	40
CSU GE-Breadth or IGETC-CSU for STEM for CSU Requirements:	31-33
Total units that may be double-counted:	13
CSU Electives (as needed to reach 60 transferable units):	0-2

Total Units **60**

This AS-T presumes completion of CSU GE for STEM or IGETC-CSU for STEM, allowing for completion of 6 units of non-STEM GE work after transfer.

Effective: Fall 2020

NEW DEGREE

STUDIO ARTS ASSOCIATE OF ARTS TRANSFER DEGREE

The Associate of Arts for Transfer (AA-T) in Studio Arts develops a well-rounded artist. 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 Studio Arts 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 recommended 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 Studio Arts should consult with a counselor regarding the transfer process and lower division requirements.

REQUIRED COURSES (12 Units)

		Units
ART 102	Art History: Renaissance to Present	3
	or	
ART 102H	Art History: Renaissance to Present - Honors	3
ART 120	Two-Dimensional Design	3
ART 121	Three-Dimensional Design	3
ART 124A	Beginning Drawing	3
LIST A: Select One Course (3 Units)		Units
ART 100	Art History: The Stone Age to the Middle Ages	3
ART 105	History of Modern Art	3
ART 107	Art History: Africa, Oceania and the Americas	3
LIST B: Select Three Courses (9 Units)		Units
ART 132A	Beginning Life Drawing	3
	or	
ART 124B	Intermediate Drawing	3
ART 126A	Beginning Painting	3
ART 145	Fundamentals of Graphic Design	3
ART 161	Digital Photography	3
ART 175A	Beginning Sculpture	3

ART 180	Beginning 3D Computer Animation	3
ART 185	Beginning Website Design	3
ART 212A	Beginning Ceramics	3
ART 240A	Beginning Glassblowing	3

Total Units for the Major:	24
Total Units that may be double-counted:	6
General Education (CSU-GE or IGETC) Units:	37-39
Elective (CSU Transferable) Units:	3-5

Total Units **60**

Effective: Fall 2020

MODIFY DEGREE

ART ASSOCIATE OF ARTS DEGREE

To graduate with a specialization in Art, students must complete the following required courses plus the general breadth requirements for the Associate Degree (total = 60 units). The art courses chosen should reflect the individual student's interests.

REQUIRED COURSES:		Units
ART 100	Art History: The Stone Age to the Middle Ages	3
ART 120	Two-Dimensional Design	3
ART 124A	Beginning Drawing	3
ART 148	Beginning Computer Graphic Design	3
ART 161	Digital Photography	3
ART 126A	Beginning Painting	3

or

ART 132A	Beginning Life Drawing	3
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CHOOSE ONE ART HISTORY COURSE LISTED BELOW: **Units**

ART 102	Art History: Renaissance to Present	3
ART 102H	Art History: Renaissance to Present - Honors	3
ART 105	History of Modern Art	3
ART 107	Art History: Africa, Oceania and the Americas	3
ART 108	Art of Mexico and Mesoamerica	3

CHOOSE ONE DESIGN COURSE LISTED BELOW: **Units**

ART 121	Three-Dimensional Design	3
ART 175A	Beginning Sculpture	3
ART 212A	Beginning Ceramics	3

Total Units **24**

Rationale: Modification; Adding ART 102H
Effective: Fall 2019

MODIFY DEGREE

CHEMISTRY ASSOCIATE OF SCIENCE DEGREE

Students planning to transfer to a four-year institution and major in chemistry or biochemistry should consult with a counselor regarding the transfer process and lower division requirements because additional courses may be required at some institutions. To graduate with a specialization in Chemistry, students must complete the following required courses plus the general breadth requirements for the associate's degree. The A.S. in Chemistry is designed to prepare students who wish to pursue a bachelor's degree from a four-year institution. At the four-year institution, students may choose to specialize in one particular aspect of chemistry, such as Environmental Chemistry, Organic Chemistry, Atmospheric Chemistry, or Physical Chemistry.

REQUIRED COURSES:

		Units
CHEM 150	General Chemistry I	5
CHEM 151	General Chemistry II	5
CHEM 212	Organic Chemistry I	4
CHEM 213	Organic Chemistry II	4
MATH 250	Single Variable Calculus I	4
MATH 251	Single Variable Calculus II	4

***RECOMMENDED COURSES:**

		Units
PHYSIC 202	Physics I	4
	or	
PHYSIC 151	General Physics for the Life Sciences I	4
PHYSIC 203	Physics II	4
	or	
PHYSIC 152	General Physics for the Life Sciences II	4
CHEM 205	Quantitative Chemical Analysis	5

Total Units	26
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**These courses are typically prerequisites for third year chemistry majors. Students are encouraged to complete the recommended courses to prevent the postponement of continued coursework in this major.*

Rationale: Modification; Updating PHYSICs courses.
Effective: Fall 2019

MODIFY DEGREE

COMMUNICATION STUDIES ASSOCIATE OF ARTS TRANSFER DEGREE, AA-T

The Associate in Arts for Transfer (AA-T) in Communication Studies encourages student to examine and evaluate human communication across and within various contexts for the purpose of increasing communication competence.

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 Communication Studies AA-T degree, students must meet the following requirements:

- completion of the following major requirements with grades of C or better;
- completion of a minimum of 60 CSU transferable semester units with a grade point average of at least 2.0; and

- certified completion of the CSU General Education-Breadth (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) for CSU, which requires a minimum of 37-39 units.

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

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

REQUIRED CORE COURSE (3 units):		Units
COMMST 100	Elements of Public Speaking	3
	or	
COMMST 100H	Elements of Public Speaking - Honors	3
LIST A: Select two courses (6 units)		Units
COMMST 111	Interpersonal Communication	3
COMMST 125	Critical Thinking Through Argumentation and Debate	3
COMMST 140	Small Group Communication	3
LIST B: Select two courses below or any course not already used from List A (6-7 units)		Units
COMMST 135	Mass Media and Society	3
COMMST 174	Intercultural Communication	3
ENGL 102	Intermediate Composition and Critical Thinking	4
	or	
ENGL 102H	Intermediate Composition and Critical Thinking - Honors	4
LIST C: Select one course below or any course not used from List A or B (3 units minimum)		Units
COMMST 176	Gender Differences in Communication	3
ENGL 151*	Freshman Composition and Literature	3
PSYCH 100	General Psychology	3
	or	
PSYCH 100H	General Psychology - Honors	3
SOC 100	Introduction to Sociology	3
	or	
SOC 100H	Introduction to Sociology - Honors	3
Major Total: 18-19		18-19
CSU GE-Breadth or IGETC for CSU requirements: 37-39		37-39
CSU electives (as needed to reach 60 transferable units): 16-18		16-18
Total Units		60

Rationale: Modification; updating to align with TMC.
Effective: Fall 2019

MODIFY DEGREE

CULINARY ARTS ASSOCIATE OF ARTS DEGREE

To graduate with a specialization in Culinary Arts, students must complete all requirements for the certificate plus the general breadth requirements for the Associate Degree (minimum total = 60 units)

REQUIRED COURSES:

		Units
CULART 010	Restaurant Service and Catering I	5.5
CULART 011	Restaurant Service and Catering II	5.5
	or	
CULART 012	Food Truck Restaurant and Catering Services	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	3
CULART 240	Procurement, Purchasing and Selection	3
CULART 250	Food, Wine and Beverage Service Concepts	3
CULART 275	Food, Beverage and Labor Cost Control	3
CULART 280	Principles of Food and Beverage Management	3
Total Units		43.5

Rationale: Modification; updating CULART 012 and units for CULART 225
Effective: Fall 2020

MODIFY DEGREE

GRAPHIC DESIGN ASSOCIATE OF ARTS DEGREE

To graduate with a specialization in Graphic Design, students must complete the following required courses plus the general breadth requirements for the Associate Degree (total =60 units). The art courses chosen should reflect the individual student's interests.

REQUIRED COURSES:

		Units
ART 100	Art History: The Stone Age to the Middle Ages	3
ART 120	Two-Dimensional Design	3
ART 124A	Beginning Drawing	3
ART 145	Fundamentals of Graphic Design	3
ART 148	Beginning Computer Graphic Design	3
ART 161	Digital Photography	3

CHOOSE ONE ART HISTORY COURSE LISTED BELOW:

		Units
ART 102	Art History: Renaissance to Present	3
ART 102H	Art History: Renaissance to Present - Honors	3
ART 105	History of Modern Art	3
ART 107	Art History: Africa, Oceania and the Americas	3
ART 108	Art of Mexico and Mesoamerica	3

RECOMMENDED COURSES:

		Units
ART 121	Three-Dimensional Design	3
ART 126A	Beginning Painting	3

ART 132A	Beginning Life Drawing	3
ART 149	Intermediate Computer Graphic Design	3
ART 180	Beginning 3D Computer Animation	3
ART 185	Beginning Website Design	3
BUSAD 100	Introduction to Business	3
Total Units		24

Rationale: Modification; updating courses and course sequence.
Effective: Fall 2019

MODIFY DEGREE

HUMAN SERVICES ASSOCIATE OF ARTS DEGREE

To graduate with an Associate Degree with one of the following Human Services certificate specializations, (1) Addiction Studies (2) Career Specialist, (3) Case Management in the Public Sector (4) Eating Disorders Studies, or (5) Human Services, students must complete all of the requirements for the appropriate certificate with a grade of "C" or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units).

Another option for students who want to graduate with an Associate Degree in Human Services, without one of the above certificate specializations, is to complete 18 units from the following required courses for the Human Services major plus the general education breadth requirements for the Associate Degree (minimum total=60 units).

REQUIRED COURSES:

	Units
HUMSV 170 Introduction to Human Services	3
HUMSV 172 Group and Family Dynamics	3
HUMSV 173 Helping and Interpersonal Skills	3
HUMSV 179 Law and Ethics	3

TAKE AN ADDITIONAL 6 UNITS FROM THE FOLLOWING:

	Units
HUMSV 130 Introduction to Addiction Studies	3
HUMSV 131 Co-Occur Disorders	3
HUMSV 132 Diverse Populations	3
HUMSV 134 Family Dynamics of Addiction	3
HUMSV 135 Prevention, Intervention and Recovery	3
HUMSV 140 Case Management in Public Service	3
HUMSV 167 Crisis Intervention	3

REQUIRED BEHAVIORAL FOUNDATION COURSE (3 UNITS):

	Units
PSYCH 100 General Psychology	3
or	
PSYCH 100H General Psychology - Honors	3
SOC 100 Introduction to Sociology	3
or	
SOC 100H Introduction to Sociology - Honors	3

Total Units	21
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Students planning to transfer to a four-year institution and major in Human Services or a related field should consult with a counselor regarding the transfer process and lower division requirements.

Rationale: Modification; updating courses and course sequence.
Effective: Fall 2020

MODIFY DEGREE**KINESIOLOGY ASSOCIATE OF ARTS TRANSFER DEGREE**

Kinesiology is the study of the principles of mechanics and anatomy in relation to human movement. The Kinesiology Associate in Arts Degree for Transfer (Kinesiology AA-T degree) provides students with an education in the core aspects of Kinesiology. The Kinesiology AA-T degree prepares students for transfer to CSU campuses that offer bachelor's degrees in Kinesiology.

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 Kinesiology 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 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 recommended 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 Kinesiology should consult with a counselor regarding the transfer process and lower division requirements.

REQUIRED CORE: (11 units)

		Units
KIN 200	Introduction to Physical Education and Kinesiology	3
BIOL 250	Human Anatomy and Physiology I	4
	and	
BIOL 251	Human Anatomy and Physiology II	4
	or	
BIOL 260	Human Anatomy	4
	and	
BIOL 261	Human Physiology	4

MOVEMENT BASED COURSES: (3 UNITS MINIMUM)**SELECT ONE COURSE MAXIMUM FROM ANY THREE OF THE FOLLOWING AREAS.****COMBATIVE:**

KINF 190A	Beginning Tai Chi	1
KINF 190B	Intermediate Tai Chi	1
KINF 190C	Advanced Tai Chi	1

DANCE:

		Units
DANCE 101A	Beginning Modern Dance	2
DANCE 101B	Beginning/Intermediate Modern Dance	2
DANCE 102A	Intermediate Modern Dance	2
DANCE 102B	Intermediate/Advanced Modern Dance	2
DANCE 103A	Beginning Ballet	2

DANCE 103B	Beginning/Intermediate Ballet	2
DANCE 105A	Beginning Jazz Dance	2
DANCE 105B	Beginning/Intermediate Jazz Dance	2
DANCE 106A	Intermediate Jazz Dance	2
DANCE 106B	Intermediate/Advanced Jazz Dance	2
DANCE 107x2	Beginning Tap Dance	2
FITNESS:		Units
KINF 101A	Beginning Boxing for Fitness	1
KINF 101B	Intermediate Boxing for Fitness	1
KINF 105A	Beginning Low Impact Aerobics	1
KINF 105B	Intermediate Low Impact Aerobics	1
KINF 105C	Advanced Low Impact Aerobics	1
KINF 108A	Beginning Weight Training	1
KINF 108B	Intermediate Weight Training	1
KINF 108C	Advanced Weight Training	1
KINF 112A	Beginning Body Conditioning	1
KINF 112B	Intermediate Body Conditioning	1
KINF 127A	Beginning Walking for Fitness	1
KINF 127B	Intermediate Walking for Fitness	1
KINF 132A	Beginning Distance Running	1
KINF 132B	Intermediate Distance Running	1
KINF 138A	Beginning Physical Fitness	1
KINF 138B	Intermediate Physical Fitness	1
KINF 138C	Advanced Physical Fitness	1
KINF 168A	Beginning Yoga	1
KINF 168B	Intermediate Yoga	1
KINF 168C	Advanced Yoga	1
INDIVIDUAL SPORTS:		Units
KINS 103A	Beginning Badminton	1
KINS 103B	Intermediate Badminton	1
KINS 103C	Advanced Badminton	1
TEAM SPORTS:		Units
KINS 104A	Beginning Basketball	1
KINS 104B	Intermediate Basketball	1
KINS 104C	Advanced Basketball	1
KINS 116A	Beginning Soccer	1
KINS 116B	Intermediate Soccer	1
KINS 116C	Advanced Soccer	1
KINS 120A	Beginning Softball	1
KINS 120B	Intermediate Softball	1
KINS 120C	Advanced Softball	1
KINS 124A	Beginning Volleyball	1
KINS 124B	Intermediate Volleyball	1
KINS 124C	Advanced Volleyball	1
LIST A: SELECT TWO COURSES (6 UNITS MINIMUM) FROM THE FOLLOWING:		Units
MATH 108	Introduction to Probability and Statistics	4
	or	

ECON 208	Business and Economic Statistics	4
	or	
PSYCH 105	Statistics for the Behavioral Sciences	4
BIOL 100	General Biology	4
CHEM 150	General Chemistry I	5
	or	
CHEM 150H	General Chemistry I - Honors	5
KIN 231	First Aid and CPR	3
PHYSIC 151	General Physics for the Life Sciences I	4
	Major Total:	21-24
	CSU GE-Breadth or IGETC for CSU requirements:	37-39
	Total Units that may be Double Counted for CSU-GE or IGETC:	10-13
	CSU electives (as needed to reach 60 transferable units):	9-13
Total Units		82

Rationale: Modification; updating to align with TMC and adding DANCE classes.
Effective: Fall 2019

MODIFY DEGREE

MACHINIST STANDARD ASSOCIATE OF SCIENCE DEGREE

This degree is designed to prepare students for entry-level employment in manufacturing using advanced setup techniques on machine tools such as lathes, mills, and grinders to produce close tolerance precision parts

Required Courses:		Units
MACH 021	Machine Shop I	4
MACH 022	Machine Shop II	4
MACH 090	Mechanical Print Reading	3
MACH 091	Geometric Dimensioning & Tolerancing	2
MACH 120	Machine Shop Theory	2
MACH 123	Machine Shop III	4
MACH 124	Machine Shop IV	4
MACH 129	Manufacturing Processes	3
Total Units		26

Rationale: Modification; updating to align with industry standards.
Effective: Fall 2020

MODIFY DEGREE

MUSIC ASSOCIATE OF ARTS DEGREE

To graduate with a specialization in Music, students must complete the following required courses plus the general breadth requirements for the Associate Degree (total = 60 units).

REQUIRED THEORY 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

REQUIRED APPLIED COURSES (2 Units)

		Units
MUS 141X2	Applied Music I	0.5
	and	
MUS 241x2	Applied Music II	0.5

REQUIRED ENSEMBLE COURSES: (4 Units selected from the following)

		Units
MUS 150X4	Mixed Chorus	1
MUS 152X4	Chamber Singers	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 108	History of Hip Hop Music	3
MUS 121	Music History and Literature-Middle Ages through Baroque	3
	or	
MUS 121H	Music History and Literature - Middle Ages through Baroque - Honors	3
MUS 122	Music History and Literature - Classic through Contemporary	3
	or	
MUS 122H	Music History and Literature - Classic through Contemporary - Honors	3
MUS 123	Electronic Music I	3
MUS 124	Electronic Music II	3
MUS 133	Elementary Piano	3
MUS 170x2	Jazz Improvisation and Theory I	1
MUS 171x2	Jazz Improvisation and Theory II	1
MUS 180	Instrumental Chamber Music	1

Total Units		22
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Rationale: Content review, updating to add MUS 108
Effective: Fall 2020

MODIFY DEGREE

MUSIC ASSOCIATE OF ARTS TRANSFER DEGREE

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: (12 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

APPLIED MUSIC: (2 Units)

		Units
MUS 141X2	Applied Music I	0.5
	and	
MUS 241x2	Applied Music II	0.5

LARGE ENSEMBLE: (Select a minimum of 4 units from the following courses. Note: a total of four semesters is required)

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
MUS 170x2	Jazz Improvisation and Theory I	1

MUS 171x2	Jazz Improvisation and Theory II	1
LIST A: (3-4 Units)		Units
MUS 100	Music Appreciation	3
MUS 121	Music History and Literature-Middle Ages through Baroque	3
	or	
MUS 121H	Music History and Literature - Middle Ages through Baroque - Honors	3
MUS 122	Music History and Literature - Classic through Contemporary	3
	or	
MUS 122H	Music History and Literature - Classic through Contemporary - Honors	3
MUS 133	Elementary Piano	1
MUS 134	Intermediate Piano	3
MUS 135	Advanced Piano	3
MUS 202	Music Theory IV: Harmony	3
MUS 202L	Musicianship IV	1
	MAJOR TOTAL:	21-26
	CSU GE-Breadth or IGETC for CSU requirements:	37-39
	Total units that may be double-counted for CUSGE or IGETC:	6
	CSU ELECTIVES (as needed to reach 60 transferable units):	1-8
<hr/> Total Units		60

Rationale: Content review, updating to align with TMC
Effective: Fall 2020

MODIFY DEGREE

PHYSICS ASSOCIATE OF SCIENCE TRANSFER DEGREE

The Associate of Science for Transfer (AS-T) in Physics provides students with a deep understanding of the world around them. This degree provides students with transfer preparation and pre-professional training. The AS-T in Physics explores with finding and using the rules that govern everything—from the smallest pieces of the atom to the various collections of atoms—molecules, balls, planets, stars, and more---that compose the myriad contents of the universe. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals.

The Associate in Art 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 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 a Physics AS-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 recommended 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 Physics should consult with a counselor regarding the transfer process and lower division requirements.

REQUIRED CORE COURSES: (25 Units)		Units
MATH 250	Single Variable Calculus I	4
MATH 251	Single Variable Calculus II	4
MATH 252	Multivariable Calculus	5
PHYSIC 202	Physics I	4
PHYSIC 203	Physics II	4
PHYSIC 204	Physics III	4
MAJOR TOTAL:		25
Total units that may be double counted:		7
CSU GE-Breadth or IGETC for CSU requirements:		37-39
CSU electives (as needed to reach 60 transferable units):		0-5
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Total Units		60

Rationale: Content review, updating to align with TMC and updating course titles.
Effective: Fall 2020

MODIFY DEGREE

POLITICAL SCIENCE ASSOCIATE OF ARTS TRANSFER DEGREE

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

The 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 Political Science AA-T degree, students must meet the following requirements:

- completion of the following major requirements with grades of C or better;
- completion of a minimum of 60 CSU transferable semester units with a grade point average of at least 2.0; and
- certified completion of the CSU General Education-Breadth (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC) for CSU, which requires a minimum of 37-39 units.

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

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

REQUIRED CORE COURSES (3 units):

POLIT 100	American Politics	Units
		3

LIST A: Select 3 courses from the following (9-10 units):

POLIT 141	Introduction to World Politics	Units
		3

or

POLIT 141H	Introduction to World Politics - Honors	3
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POLIT 110	Introduction to Political Theory	3
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or

POLIT 110H	Introduction to Political Theory Honors	3
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POLIT 140	Introduction to Comparative Politics	3
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ECON 208	Business and Economic Statistics	4
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or

MATH 108	Introduction to Probability and Statistics	4
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or

PSYCH 105	Statistics for the Behavioral Sciences	4
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LIST B: Select 2 courses from the following (6 units):

ANTHRO 102	Cultural Anthropology	Units
		3

or

ANTHRO 102H	Cultural Anthropology - Honors	3
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COMMST 135	Mass Media and Society	3
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ECON 100	Introduction to Economics	3
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ECON 200	Principles of Macroeconomics	3
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or

ECON 200H	Principles of Macroeconomics - Honors	3
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ECON 201	Principles of Microeconomics	3
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or

ECON 201H	Principles of Microeconomics - Honors	3
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HIST 100	United States History to 1877	3
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or

HIST 100H	United States History to 1877 - Honors	3
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HIST 101	United States History: 1865 to Present	3
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or

HIST 101H	United States History: 1865 to Present - Honors	3
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HIST 137	Racial and Ethnic Groups in United States History	3
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HIST 150	Introduction to Latin American History	3
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HIST 170	World History to 1500	3
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HIST 171	World History Since 1500	3
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POLIT 138	Service Learning: Student Leadership	3
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or

POLIT 138H	Service Learning: Student Leadership - Honors	3
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POLIT 139	Service Learning: Community Leadership	3
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	or		
POLIT 139H	Service Learning: Community Leadership - Honors		3
PSYCH 100	General Psychology		3
	or		
PSYCH 100H	General Psychology - Honors		3
RELIG 135	Religion in America		3
SOC 100	Introduction to Sociology		3
	or		
SOC 100H	Introduction to Sociology - Honors		3

MAJOR TOTAL:	18-19
Total Units that may be double-counted:	12
CSU GE-Breadth or IGETC for CSU requirements:	37-39
CSU electives (as needed to reach 60 transferable units):	14-17

Total Units **60**

Rationale: Content review, updating to align with TMC
Effective: Fall 2019

MODIFY DEGREE

PROFESSIONAL BAKING AND MANAGEMENT ASSOCIATE OF ARTS DEGREE

Students who receive their degree in baking will gain the skills and knowledge to be an accomplished professional in the baking and pastry arts. Students will create hearth and specialty breads, desserts, pastry, patisserie, and confections. Students will learn about menu development, communication, food safety, and cost control. They will also take courses in management, communication and small business to gain entrepreneurial skills. To graduate with a specialization in Professional Baking and Management, students must complete all requirements for the certificate plus the general breadth requirements for the Associate Degree (minimum total = 60 units)

REQUIRED COURSES:	Units
CULART 040 Introduction to Baking	3
CULART 041 Desserts and Pastries	5.5
CULART 042 Cake Decorating	3
CULART 043 Advanced Desserts and Pastry/Chocolate/Sugar	5.5
CULART 044 Introduction to Baking Skills, Ingredients, and Technology	3
CULART 101 Introduction to Hospitality and Customer Service	3
CULART 180 Small Business and Catering Management	5.5
CULART 201 Management of Human Resources in Hospitality	3
CULART 205 Principles of Design and Presentation	3
CULART 225 Sanitation and Safety	3
CULART 240 Procurement, Purchasing and Selection	3
CULART 275 Food, Beverage and Labor Cost Control	3

Total Units **43.5**

Rationale: Content review, updating units for CULART 225
Effective: Fall 2020

MODIFY DEGREE**PSYCHOLOGY ASSOCIATE OF ARTS TRANSFER DEGREE**

Psychology is both a natural and a social science concerned with the study of human behavior, thoughts, and emotions. As such, it is a broad discipline which involves both pure science and practical application of science to matters of daily living. The Psychology Associate in Arts Degree for Transfer (Psychology AA-T degree) provides students with an education in the core aspects of Psychology which include research methods, statistics, biological influences on behavior and mental processes, and major theoretical perspectives in the discipline. The Psychology AA-T degree prepares students for transfer to CSU campuses that offer bachelor's degrees in psychology.

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 Psychology AA-T degree, students must meet the following requirements:

- completion of the following major requirements with grades of C or better;
- completion of a minimum of 60 CSU transferable semester units with a grade point average of at least 2.0; and
- certified completion of the CSU General Education-Breadth (CSUGE) or Intersegmental General Education Transfer Curriculum (IGETC), which requires a minimum of 37-39 units.

It is highly recommended 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.

It is also highly recommended that students complete ENGL 101/101H or the equivalent before taking any Psychology courses beyond Psychology 100/100H.

REQUIRED CORE COURSES: (11 units)

		Units
PSYCH 100	General Psychology	3
	or	
PSYCH 100H	General Psychology - Honors	3
PSYCH 105	Statistics for the Behavioral Sciences	4
	or	
MATH 108	Introduction to Probability and Statistics	4
PSYCH 201	Research Methods for the Behavioral Sciences	4

LIST A: Select one course (3-4 units):

PSYCH 141	Introduction to Biological Psychology	3
BIOL 100	General Biology	4

LIST B: Select one course below or any course from List A not already used (3-4 units):

CD 105	Child Growth and Development	3
	or	
CD 105H	Child Growth and Development-Honors	3
ENGL 102	Intermediate Composition and Critical Thinking	4
	or	
ENGL 102H	Intermediate Composition and Critical Thinking - Honors	4
PSYCH 111	Developmental Psychology: Lifespan	3
PSYCH 112	Developmental Psychology: Child and Adolescent Psychology	3

SOC 100	Introduction to Sociology	3
	or	
SOC 100H	Introduction to Sociology - Honors	3
List C: Select one course below or any course from List A or B not already used (3-4 units):		
MATH 102	College Algebra	4
PSYCH 102	Personal and Social Adjustment	3
PSYCH 110	Abnormal Psychology	3
PSYCH 118	Human Sexual Behavior	3
	Major Total:	20-23
	CSU GE-Breadth or IGETC requirements:	37-39
	CSU Electives (as needed to reach 60 transferable units)	0-3

Total Units **60**

Rationale: Content review, updating to align with TMC.
Effective: Fall 2019

CORRECTIONS

Corrections may be necessary based off of feedback from the State Chancellor's Office and/or the ACCJC

COURSE CORRECTION

Addition to the 2019-2020 College Catalog

Course ID: ARCH 112
Course Title: Architectural Design and Theory I
Catalog Description: This beginning architectural design course includes the perceptual and physical study of two and three-dimensional design theories, principles and compositional techniques used in the creation and manipulation of architectural form, space and light. Focus will be on the fundamental design skills and will progress to a three-dimensional architectural design project including consideration of approach, transition and destination. Models, drawings and graphics to study and communicate the design. (Formerly ARCH 100)
Schedule Description: This beginning architectural design course includes the perceptual and physical study of two and three-dimensional design theories, principles and compositional techniques used in the creation and manipulation of architectural form, space and light. (Formerly ARCH 100)
Rationale: Updating course descriptions to add formerly note, as course equates with ARCH 100.
Previous Board Approval: April 11, 2019
Effective: Fall 2020

COURSE CORRECTION

Addition to the 2019-2020 College Catalog

Course ID: ARCH 113
Course Title: Design Visualization and Presentation
Catalog Description: This is an advanced studio course that builds on a basic understanding of design communication, strengthening complexity and design intention in two and three-dimensional design and three-dimensional visualization techniques, including freehand sketching, graphic conventions, modeling, shade/shadow, color rendering, graphic presentations, and a magazine page project based presentation. This course is intended to provide the visual communications skills needed to describe architecture and participate in the design communication process. It is project-based with projects selected by the instructor to build a student's range of expression, while focusing on a variety of visualization techniques and media. (Formerly ARCH 101)
Schedule Description: This is an advanced studio course that builds on a basic understanding of design communication, strengthening complexity and design intention in two and three-dimensional design and three-dimensional visualization techniques, including freehand sketching, graphic conventions, modeling, shade/shadow, color rendering, graphic presentations, and a magazine page project based presentation. (Formerly ARCH 101)
Rationale: Updating course descriptions to add formerly note, as course equates with ARCH 101.
Previous Board Approval: April 11, 2019
Effective: Fall 2020

COURSE CORRECTION

Addition to the 2019-2020 College Catalog

Course ID: VOCED 601
Course Title: Customer Service in the Workplace
Catalog Description: This noncredit course is designed to provide students with the customer service skills required to interact with customers or clients in the workplace. The topics covered include understanding customer needs, listening to customers, and telephone customer service.
Schedule Description: This noncredit course is designed to provide students with the customer service skills required to interact with customers or clients in the workplace. The topics covered include understanding customer needs, listening to customers, and telephone customer service.
Rationale: Updating course descriptions to align with State Chancellor's Office guidelines.
Previous Board Approval: June 21, 2018
Effective: Fall 2019