
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: December 12, 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 addendum 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
December 12, 2019

CONTENT REVIEW

No Changes to the College Catalog

MATH 222
MATH 952

MATH 252
MATH 962

MATH 266

MATH 942

Rationale:
Effective:

Content Review
Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:

AERO 621

Course Title:

Aviation Fundamentals

Hours:

48 - 54

Lecture:

48 - 54 contact hour(s) per semester

Prerequisite:

None

Catalog Description:

This noncredit course is an introduction to the basic principles of aeronautics, aircraft structure and operations including space, rocketry and aeronautical occupations.

Schedule Description:

This noncredit course is an introduction to the basic principles of aeronautics, aircraft structure and operations including space, rocketry and aeronautical occupations.

TOP Code:

3020.20

Equate:

Course not offered at CHC.

Rationale:

Noncredit mirror course of AERO 021, to be added to the new noncredit Flight Operations Certificate.

Effective:

Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:

AERO 622

Course Title:

Private Pilot Ground School

Hours:

96 - 108

Lecture:

96 - 108 contact hour(s) per semester

Prerequisite:

None

Catalog Description:

This noncredit course offers complete preparation for the Federal Aviation Administration (FAA) private pilot written examination including aerodynamics, weight and balance, airports and airspace, meteorology, using aviation services, flight information publications, federal air regulations, navigation, radio navigation aids, cross-country flight planning, physiology of flight, and airborne emergencies.

Schedule Description:

This noncredit course offers complete preparation for the Federal Aviation Administration (FAA) private pilot written examination including aerodynamics, weight and balance, flight computer, navigation, meteorology and federal air regulations.

TOP Code:

3020.20

Equate:

Course not offered at CHC.

Rationale: Noncredit mirror course of AERO 022, to be added to the new noncredit Flight Operations Certificate.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: AERO 624
Course Title: Aircraft Powerplants
Hours: 48 - 54
Lecture: 48 - 54 contact hour(s) per semester
Prerequisite: None
Catalog Description: This course is designed to familiarize the student with the operating principles and construction highlights of both reciprocating and jet aircraft engines including: internal combustion engines, jet propulsion engines, aircraft fuels and fuel systems, electrical and ignition systems, lubricants and lubrication systems, propellers, engine instrument and control systems, engine inspection, operation and troubleshooting.
Schedule Description: This course is designed to familiarize the student with the operating principles and construction highlights of both reciprocating and jet aircraft engines.
TOP Code: 3020.20
Equate: Course not offered at CHC.
Rationale: Noncredit mirror course of AERO 024, to be added to the new noncredit Flight Operations Certificate.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: AERO 625
Course Title: Flight Safety
Hours: 32 – 36
Lecture: 32 - 36 contact hour(s) per semester
Prerequisite: None
Catalog Description: This noncredit course is an in-depth study of flight safety including: organizations contributing to flight safety, pilot and passenger responsibilities, emergency radio procedures, pilot resources, ground safety, mid-air collisions, weather and night flight hazards and precautions, emergency procedures, medical factors, human factors, and crash investigation and liability.
Schedule Description: This noncredit course is an in-depth study of flight safety including organizations contributing to flight safety, emergency procedures, medical and human factors, crash investigation and liability.
TOP Code: 3020.20
Equate: Course not offered at CHC.
Rationale: Noncredit mirror course of AERO 025, to be added to the new noncredit Flight Operations Certificate.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	AERO 626
Course Title:	Airframe Structures
Hours:	48 - 54
Lecture:	48 - 54 contact hour(s) per semester
Prerequisite:	None
Catalog Description:	This course is designed to familiarize the aviator or prospective pilot with the fundamentals of aircraft design and construction including: aircraft structural components, fundamentals of aerodynamics and flight, materials and hardware, ice and rain protection, hydraulic and pneumatic systems, landing gear systems, fire protection systems, electrical systems, instrument systems, weight and balance control, and blueprint reading.
Schedule Description:	This course is designed to familiarize the student with design and construction, principles of aerodynamics and flight and aircraft systems and components.
TOP Code:	3020.20
Equate:	Course not offered at CHC.
Rationale:	Noncredit mirror course of AERO 026, to be added to the new noncredit Flight Operations Certificate.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	AERO 640
Course Title:	Instrument Ground School
Hours:	96 – 108
Lecture:	48 - 54 contact hour(s) per semester and
Laboratory:	48 - 54 contact hour(s) per semester
Prerequisite:	None
Catalog Description:	This noncredit course examines the fundamentals of instrument flight in the Air Traffic Control (ATC) system and factors that can affect the operation including aerodynamics, navigation, flight planning, and communication. The subject matter is reinforced by flying various procedures in flight simulators. This course can be used as a method to meet the Federal Aviation Administration (FAA) requirements for the ground instruction portion of a Biennial Flight Review (BFR) as specified in Federal Aviation Regulations (FAR) 61.56.
Schedule Description:	This noncredit course examines the fundamentals of instrument flight in the Air Traffic Control (ATC) system and factors that can affect the operation including aerodynamics, navigation, flight planning, and communication. The subject matter is reinforced by flying various procedures in flight simulators. This course can be used as a method to meet the Federal Aviation Administration (FAA) requirements for the ground instruction portion of a Biennial Flight Review (BFR) as specified in Federal Aviation Regulations (FAR) 61.56.
TOP Code:	3020.20
Equate:	Course not offered at CHC.
Rationale:	Noncredit mirror course of AERO 040, to be added to the new noncredit Flight Operations Certificate.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	AERO 646
Course Title:	Aviation Weather
Hours:	48 - 54
Lecture:	48 - 54 contact hour(s) per semester
Prerequisite:	None
Catalog Description:	This noncredit course covers the aspects of weather as they relate to aircraft operation and safety. It includes basic and hazardous weather, atmospheric winds, pressure systems as associated with weather, cloud formation, air masses and fronts, thunderstorms, turbulence and icing, fog, haze and smoke, high altitude, arctic and tropical weather, interpretation of weather reports, forecast, charts and maps.
Schedule Description:	This noncredit course covers the aspects of weather as they relate to aircraft operation and flight safety. It includes basic and hazardous weather and interpretation of weather reports, forecast, charts, and maps.
TOP Code:	3020.20
Equate:	Course not offered at CHC.
Rationale:	Noncredit mirror course of AERO 046, to be added to the new noncredit Flight Operations Certificate.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	CD 098
Course Title:	Child Development Work Experience
Units:	1 - 4
Work Experience:	60 - 300 contact hour(s) per semester
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. See department for specific guidelines.
Schedule Description:	This course involves supervised training, in the form of on-the-job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. 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. See department for specific guidelines.
TOP Code:	1305.00
Equate:	Course not offered at CHC.
Rationale:	Course needed for students to fulfill 50 day requirement for the Associate Teacher Certificate for the CA Commission on Teacher Credentialing.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	ELECTR 620
Course Title:	Introduction to Computer Networking
Hours:	96 - 108
Lecture:	48 - 54 contact hours per semester and
Laboratory:	48 - 54 contact hours per semester
Prerequisite:	None
Catalog Description:	This noncredit electronics technology course prepares students to take the ETA (Electronics Technicians Association International) STS-CN industry certification. The course covers wire and wireless local area network basics, Internet/VoIP services and security, hardware and software installation, and cabling distribution.
Schedule Description:	This noncredit electronics technology course prepares students to take the ETA (Electronics Technicians Association International) STS-CN industry certification. The course covers wire and wireless local area network basics, Internet/VoIP services and security, hardware and software installation, and cabling distribution.
TOP Code:	0934.00
Equate:	Course not offered at CHC.
Rationale:	Students in this course will learn about basic networking requirements on how to integrate smart system devices that connect to the Internet of Things (IoT) to automate, control, and monitor various in-home and/or in-business using smart home applications, smartphones, tablets, computers, voice-controlled assistants, or other networked devices.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	ELECTR 621
Course Title:	Security, Alarm, and Surveillance Systems
Hours:	96 - 108
Lecture:	48 - 54 contact hours per semester and
Laboratory:	48 - 54 contact hours per semester
Prerequisite:	None
Catalog Description:	This noncredit electronics technology course prepares students to take the ETA (Electronics Technicians Association International) STS-SS industry certification. The course covers closed-circuit television (CCTV) system, security and fire alarm system, Voice-over-Internet Protocol (VoIP), security cameras, smart locks, and smart access control.
Schedule Description:	This noncredit electronics technology course prepares students to take the ETA (Electronics Technicians Association International) STS-SS industry certification. The course covers closed-circuit television (CCTV) system, security and fire alarm system, Voice-over-Internet Protocol (VoIP), security cameras, smart locks, and smart access control.
TOP Code:	0934.00
Equate:	Course not offered at CHC.
Rationale:	This course is an integral part of smart systems automation technology focusing on home and/or business owners convenience, efficiency, and peace of mind, making it possible to automate and monitor remotely or on-site security and other visual activities through smart cameras, monitors, smart locks and other smart security and monitoring devices.

Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: ELECTR 622
Course Title: Smart Environmental Controls
Hours: 96 - 108
Lecture: 48 - 54 contact hours per semester and
Laboratory: 48 - 54 contact hours per semester
Prerequisite: None
Catalog Description: This noncredit electronics technology course prepares students to take the ETA (Electronics Technicians Association International) STS-EC industry certification. The course covers smart lighting, smart thermostats, smart plugs and switches, smart HVAC, and carbon monoxide and smoke detectors, and other miscellaneous smart devices.
Schedule Description: This noncredit electronics technology course prepares students to take the ETA (Electronics Technicians Association International) STS-EC industry certification. The course covers smart lighting, smart thermostats, smart plugs and switches, smart HVAC, and carbon monoxide and smoke detectors, and other miscellaneous smart devices
TOP Code: 0934.00
Equate: Course not offered at CHC.
Rationale: Students may have a variety of employment opportunities in the environmental controls industry. Students may have the opportunity to take the Certified Smart Technology Systems (STS) examination - Environmental Controls (STS-EC) endorsement option.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: ELECTR 623
Course Title: Audio-Video Entertainment Systems
Hours: 96 – 108
Lecture: 48 - 54 contact hours per semester
Laboratory: 48 - 54 contact hours per semester
Prerequisite: None
Catalog Description: This noncredit course prepares students to take the ETA (Electronics Technicians Association International) STS-AV industry certification. The course covers smart televisions and projectors, HD, UHD, LED, and OLED television technologies, wireless smart speakers, Wi-Fi screencasting, audio and HD cabling, amplifiers and receivers, surround sound speaker systems and connectors, rackmounts, and other accessories.
Schedule Description: This noncredit course prepares students to take the ETA (Electronics Technicians Association International) STS-AV industry certification. The course covers smart televisions and projectors, HD, UHD, LED, and OLED television technologies, wireless smart speakers, Wi-Fi screencasting, audio and HD cabling, amplifiers and receivers, surround sound speaker systems and connectors, rackmounts, and other accessories.
TOP Code: 0934.00
Equate: Course not offered at CHC.

Rationale: This course covers the installation of home theater audio-video systems, personal assistants, cable TV, surround sound & video components; speaker cabling, amplifiers, off-air antennas and telecommunications.

Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: HMDT 042
Course Title: Zero Emission Heavy Duty Truck
Units: 2
Lecture: 1 contact hour(s) per week
16 - 18 contact hours per semester
Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester
Outside of Class Hours: 2 hour(s) per week
Prerequisite: None
Catalog Description: The Zero Emission Heavy-Duty Truck course is to provide students with training in servicing and maintaining Electric Vehicles.
Schedule Description: The Zero Emission Heavy-Duty Truck course is to provide students with training in servicing and maintaining Electric Vehicles.
TOP Code: 0948.40
Equate: Course not offered at CHC.
Rationale: Students / Technicians will be in high demand and are sought after by national companies. The class will prepare the student graduates and give them an advantage when applying for a job with very competitive pay and benefits shortly after completing the class.

Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: MATH 602
Course Title: Support for College Algebra
Hours: 18 - 54
Laboratory: 18 - 54 contact hour(s) per semester
Corequisite: MATH 102
Catalog Description: This noncredit course is a review of the prerequisite skills essential for college algebra. This course includes a review of topics covered in elementary and intermediate algebra as appropriate, based on individual student needs. The course is intended for students who need to refresh their math skills while enrolled in a college algebra math course to be used for just in time remediation.
Schedule Description: This noncredit course is a review of the prerequisite skills essential for college algebra. This course includes a review of topics covered in elementary and intermediate algebra as appropriate, based on individual student needs. The course is intended for students who need to refresh their math skills while enrolled in a college algebra math course to be used for just in time remediation.
TOP Code: 1702.00
Equate: Course not offered at CHC.
Rationale: In response to AB 705 this course will be utilized to support students in Math 102 College Algebra in lieu of required prerequisites.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	MATH 608
Course Title:	Support for Introductory Statistics
Hours:	18 - 54
Laboratory:	18 - 54 contact hour(s) per semester
Corequisite:	MATH 108
Catalog Description:	This noncredit course is a review of the prerequisite skills essential for statistics. This course includes a review of topics covered in arithmetic and algebra as appropriate, based on individual student needs. The course is intended for students who need to refresh their math skills while enrolled in an introductory statistics course to be used for just in time remediation.
Schedule Description:	This noncredit course is a review of the prerequisite skills essential for statistics. This course includes a review of topics covered in arithmetic and algebra as appropriate, based on individual student needs. The course is intended for students who need to refresh their math skills while enrolled in an introductory statistics course to be used for just in time remediation.
TOP Code:	1702.00
Equate:	Course not offered at CHC.
Rationale:	The co-requisite course will help support our students in the Math Department's introductory statistics course. This course will help the department improve the implementation of AB705.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	PHT 601
Course Title:	Pharmacy Technician Licensure Exam Preparation
Hours:	16 - 18
Lecture:	16 - 18 contact hour(s) per semester
Prerequisite:	None
Catalog Description:	This noncredit course prepares students that have completed or are nearing completion of the Pharmacy Technology program for the state administered licensing examination for pharmacy technicians. This course is also recommended for students who desire refresher training. Topics include, but are not limited to: the duties of a pharmacy technician in the out-patient/community and the in-patient/institutional setting in the areas of pharmacy management/administration, pharmacy federal laws/regulation, and pharmacology. Also included are some basic test-taking techniques to increase proficiency on the state exam.
Schedule Description:	This noncredit course prepares students for the multiple choice questions on the pharmacy technician licensing examination. This course reviews the duties of a pharmacy technician in the out-patient/community and the in-patient/institutional setting in the areas of pharmacy management/administration, pharmacy federal laws/regulation, and pharmacology.
TOP Code:	1221.00
Equate:	Course not offered at CHC.
Rationale:	Exam prep course for students in the Pharmacy Technology program.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	STSP 050
Course Title:	Medical Terminology for Surgical Technologists
Units:	3
Lecture:	3 contact hour(s) per week 48 - 54 contact hours per semester
Outside of Class Hours:	6 hour(s) per week
Prerequisite:	None
Catalog Description:	This course is designed to introduce the student to the component parts of medical terms. Utilizing a systems-approach, the student will gain an understanding of basic elements, rules of building and analyzing medical terms relating to structure, function, pathology, and diagnosis. Upon completion, students should be able to apply theoretical knowledge of the course topics to the surgical environment.
Schedule Description:	This course is designed to introduce the student to the component parts of medical terms. Utilizing a systems-approach, the student will gain an understanding of basic elements, rules of building and analyzing medical terms relating to structure, function, pathology, and diagnosis. Upon completion, students should be able to apply theoretical knowledge of the course topics to the surgical environment.
TOP Code:	1217.00
Equate:	Course not offered at CHC.
Rationale:	Enhance diversity of CTE certificate programs offered.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	STSP 051
Course Title:	Pharmacology for Surgical Technologists
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:	This course is designed to introduce the student to the surgical technologist's role in the universal practices of safe administration of medications and solutions during the intraoperative phase of surgery. Upon completion, students should be able to correlate, integrate, and apply theoretical knowledge of course topics to on-campus mock surgery laboratory, simulation settings, and the perioperative clinical environment.
Schedule Description:	This course is designed to introduce the student to the surgical technologist's role in the universal practices of safe administration of medications and solutions during the intraoperative phase of surgery. Upon completion, students should be able to correlate, integrate, and apply theoretical knowledge of course topics to on-campus mock surgery laboratory, simulation settings, and the perioperative clinical environment.
TOP Code:	1217.00
Equate:	Course not offered at CHC.
Rationale:	Enhance diversity of CTE certificate programs offered.

Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: STSP 060
Course Title: Principles of Surgical Technology
Units: 8
Lecture: 8 contact hour(s) per week
128 - 144 contact hours per semester
Outside of Class Hours: 16 hour(s) per week
Prerequisite: BIOL 155, STSP 050 and STSP 051
Catalog Description: Principles of Surgical Technology is designed to provide the student with an introduction to the allied health profession of surgical technology. This course focuses on the surgical technologist's role in the perioperative environment, the principles of aseptic technique, evidence-based surgical practices, basic microbiology, and surgical pharmacology. Upon completion, students should be able to correlate, integrate, and apply theoretical knowledge of course topics to mock surgery laboratory and simulation settings.
Schedule Description: Principles of Surgical Technology is designed to provide the student with an introduction to the allied health profession of surgical technology. This course focuses on the surgical technologist's role in the perioperative environment, the principles of aseptic technique, evidence-based surgical practices, basic microbiology, and surgical pharmacology. Upon completion, students should be able to correlate, integrate, and apply theoretical knowledge of course topics to mock surgery laboratory and simulation settings.
TOP Code: 1217.00
Equate: Course not offered at CHC.
Rationale: Enhance diversity of CTE certificate programs offered.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: STSP 061
Course Title: Surgical Patient Care Concepts
Units: 5
Laboratory: 15 contact hour(s) per week
240 - 270 contact hours per semester
Prerequisite: BIOL 155, STSP 050 and STSP 051
Catalog Description: Surgical Patient Care Concepts is designed to provide the student with extensive mock-surgery laboratory practice to build upon the knowledge, skills, and theory introduced in the principles of surgical technology course of study. This course focuses on quality patient care during the preoperative, intraoperative, and postoperative phases of surgery.
Schedule Description: Surgical Patient Care Concepts is designed to provide the student with extensive mock-surgery laboratory practice to build upon the knowledge, skills, and theory introduced in the principles of surgical technology course of study. This course focuses on quality patient care during the preoperative, intraoperative, and postoperative phases of surgery.
TOP Code: 1217.00
Equate: Course not offered at CHC.
Rationale: Enhance diversity of CTE certificate programs offered.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	STSP 062
Course Title:	Sterile Processing and Surgical Instrumentation
Units:	3
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:	6 hour(s) per week
Prerequisite:	BIOL 155, STSP 050 and STSP 051
Catalog Description:	Sterile Processing and Surgical Instrumentation is designed to introduce the knowledge, technical skills, interdepartmental collaboration, and the primary functions of a sterile processing department within the healthcare setting. The sterile processing component of this course focuses on patient-centered practices, evidenced-based theories, infection control standards, customer service, safety precautions, inventory control, and supply chain management. The Surgical Instrumentation component of this course prepares the student to differentiate among instrument types by design, function, and tissue classification. Application of knowledge and technical skills will occur in the hospital, on-campus surgical instrumentation laboratory, and simulation settings. Upon completion, the students should be able to correlate, integrate, and apply theoretical knowledge to the clinical and perioperative environment.
Schedule Description:	Sterile Processing and Surgical Instrumentation is designed to introduce the knowledge, technical skills, interdepartmental collaboration, and the primary functions of a sterile processing department within the healthcare setting. The sterile processing component of this course focuses on patient-centered practices, evidenced-based theories, infection control standards, customer service, safety precautions, inventory control, and supply chain management.
TOP Code:	1217.00
Equate:	Course not offered at CHC.
Rationale:	Enhance diversity of CTE certificate programs offered.
Effective:	Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID:	STSP 063
Course Title:	Sterile Processing Clinical Externship I
Units:	4
Laboratory:	12 contact hour(s) per week 192 - 216 contact hours per semester
Prerequisite:	STSP 060, STSP 061 and STSP 062
Catalog Description:	Sterile Processing Clinical Externship is designed to provide the student with basic laboratory experience to support the initial theory course for Sterile Processing/Surgical Instrumentation. Under the direct supervision and guidance of the preceptor and clinical instructor students will gain proficiency in functioning as a sterile processing/central service team member. Application of theoretical knowledge, technical skills, and extensive practice will occur in the hospital setting.
Schedule Description:	Sterile Processing Clinical Externship is designed to provide the student with basic laboratory experience to support the initial theory course for Sterile Processing/Surgical Instrumentation. Under the direct supervision and guidance

of the preceptor and clinical instructor students will gain proficiency in functioning as a sterile processing/central service team member. Application of theoretical knowledge, technical skills, and extensive practice will occur in the hospital setting.

TOP Code: 1217.00
Equate: Course not offered at CHC.
Rationale: Enhance diversity of CTE certificate programs offered.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: STSP 070
Course Title: Surgical Specialties
Units: 4
Lecture: 4 contact hour(s) per week
64 - 72 contact hours per semester
Outside of Class Hours: 8 hour(s) per week
Prerequisite: STSP 063
Catalog Description: Surgical Specialties concentration is on providing the fundamental knowledge to develop the core surgical principles that students will be exposed to during the clinical rotation. This course focuses on surgical theory including relevant anatomy, pathological conditions, diagnostic procedures and tests, case planning, procedural sequence, surgical instrumentation, equipment, supplies, medications, and patient preparation.
Schedule Description: Surgical Specialties concentration is on providing the fundamental knowledge to develop the core surgical principles that students will be exposed to during the clinical rotation. This course focuses on surgical theory including relevant anatomy, pathological conditions, diagnostic procedures and tests, case planning, procedural sequence, surgical instrumentation, equipment, supplies, medications, and patient preparation.
TOP Code: 1217.00
Equate: Course not offered at CHC.
Rationale: Enhance diversity of CTE certificate programs offered.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: STSP 071
Course Title: Surgical Procedures
Units: 1
Laboratory: 3 contact hour(s) per week
48 - 54 contact hours per semester
Prerequisite: STSP 063
Catalog Description: Surgical Procedures concentrates on providing students with the technical skills through extensive practice to develop the core surgical principles that students experience during clinical practicum. Emphasis is placed on basic, intermediate to moderately complex procedures surgery. Application of knowledge, technical skills, and extensive practice will occur in the hospital, on-campus mock surgery laboratory, and simulation settings.
Schedule Description: Surgical Procedures concentrates on providing students with the technical skills through extensive practice to develop the core surgical principles that students experience during clinical practicum. Emphasis is placed on basic, intermediate

to moderately complex procedures surgery. Application of knowledge, technical skills, and extensive practice will occur in the hospital, on-campus mock surgery laboratory, and simulation settings.

TOP Code: 1217.00
Equate: Course not offered at CHC.
Rationale: Enhance diversity of CTE certificate programs offered.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: STSP 080
Course Title: Surgical Technology Clinical Practicum
Units: 11
Laboratory: 33 contact hour(s) per week
528 - 594 contact hours per semester
Prerequisite: STSP 070 and STSP 071
Catalog Description: This course provides extensive clinical experience with a variety of perioperative assignments to build upon the knowledge and skills introduced in the surgical procedures course of study. Under the direct supervision and guidance of the clinical instructor and preceptors, students gain proficiency in responding to the needs of the surgical patient in the preoperative, intraoperative, and postoperative phases of selected surgical procedures. Emphasis is placed on the designated roles of first and second scrub, circulator, and first assistant in the perioperative environment.
Schedule Description: This course provides extensive clinical experience with a variety of perioperative assignments to build upon the knowledge and skills introduced in the surgical procedures course of study. Under the direct supervision and guidance of the clinical instructor and preceptors, students gain proficiency in responding to the needs of the surgical patient in the preoperative, intraoperative, and postoperative phases of selected surgical procedures. Emphasis is placed on the designated roles of first and second scrub, circulator, and first assistant in the perioperative environment.
TOP Code: 1217.00
Equate: Course not offered at CHC.
Rationale: Enhance diversity of CTE certificate programs offered.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: STSP 083
Course Title: Sterile Processing Clinical Externship II
Units: 4
Laboratory: 12 contact hour(s) per week
192 - 216 contact hours per semester
Prerequisite: STSP 080
Catalog Description: Sterile Processing Clinical Externship II is designed to provide the student with advanced laboratory experience to support the initial theory course for Sterile Processing/Surgical Instrumentation. Emphasis is placed on the proper handling of instrumentation, equipment, chemical processing agents and surgical case cart management. Extensive practice will occur in the hospital setting.
Schedule Description: Sterile Processing Clinical Externship II is designed to provide the student with advanced laboratory experience to support the initial theory course for Sterile

Processing/Surgical Instrumentation. Emphasis is placed on the proper handling of instrumentation, equipment, chemical processing agents and surgical case cart management. Extensive practice will occur in the hospital setting.

TOP Code: 1217.00
Equate: Course not offered at CHC.
Rationale: Enhance diversity of CTE certificate programs offered.
Effective: Fall 2020

COURSE MODIFICATIONS

Changes to the 2020-2021 or 2021-2022 College Catalog

COURSE ID	COURSE TITLE
CD 060	UNDERSTANDING SCHOOL-AGE CHILDREN

Departmental Advisory: READ 015
Equate: Course not offered at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 061	ACTIVITIES FOR SCHOOL-AGE CHILDREN

Departmental Advisory: READ 015
Equate: Course not offered at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 075	FAMILY CHILD CARE PRACTICES

Departmental Advisory: READ 015
Equate: Course not offered at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 100	INTRODUCTION TO CHILD DEVELOPMENT

Departmental Advisory: READ 015
Catalog Description: This course is an introduction to and overview of the field of child development, designed to familiarize students with the broad aspects of the profession, philosophies, theories and principles of caring for children in a variety of settings.
Schedule Description: This course is an introduction to and overview of the field of child development, designed to familiarize students with the broad aspects of the profession, philosophies, theories and principles of caring for children in a variety of settings.
Rationale: Content review. Updating departmental advisory to remove eligibility wording and updating course descriptions.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 101	PARENT-CHILD INTERACTION

Departmental Advisory: READ 015
Equate: Course not offered at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 105	CHILD GROWTH AND DEVELOPMENT

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: CD 105 at CHC.
Rationale: Content review. Updating departmental advisory from READ 015 to ENGL 101 or ENGL 101H.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 105H	CHILD GROWTH AND DEVELOPMENT-HONORS

Prerequisite: ENGL 101 or ENGL 101H
Equate: CD 105H at CHC.
Rationale: Content review. Removing departmental advisory and adding ENGL 101 or ENGL 101H as prerequisite.
Effective: Fall 2021

COURSE ID	COURSE TITLE
CD 108	EARLY CHILDHOOD DEVELOPMENT

Departmental Advisory: READ 015
Equate: Course not offered at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 111	OBSERVATION AND ASSESSMENT IN CHILD DEVELOPMENT

Departmental Advisory: READ 015
Equate: CD 212 at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 113	PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN

Departmental Advisory: READ 015
Equate: Course not offered at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 114	INTRODUCTION TO CURRICULUM

Departmental Advisory: READ 015
Equate: CD 132 at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 115	HEALTH, SAFETY AND NUTRITION

Departmental Advisory: READ 015
Equate: CD 115 at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 126	CHILD, FAMILY, AND THE COMMUNITY

Departmental Advisory: READ 015
Equate: CD 126 at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 127	GUIDANCE OF CHILDREN

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Content review. Updating department advisory from READ 015 to ENGL 101 or ENGL 101H.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 130	CREATIVE MUSIC AND MOVEMENT FOR CHILDREN

Departmental Advisory: READ 015
Equate: Course not offered at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 133	CREATIVE SCIENCE AND MATH ACTIVITIES FOR CHILDREN

Departmental Advisory: READ 015
Equate: CD 133 at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 134	LANGUAGE, LISTENING AND LITERATURE FOR CHILDREN

Departmental Advisory: READ 015
Equate: CD 134 at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 136	CREATIVE ART EXPERIENCES FOR CHILDREN

Departmental Advisory: READ 015
Equate: CD 136 at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 137	PLAY AND MATERIALS FOR CHILDREN

Departmental Advisory: READ 015
Equate: CD 137 at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 138	TEACHING IN A DIVERSE SOCIETY

Departmental Advisory: READ 015
Equate: CD 182 at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 185	INFANT/TODDLER GROWTH AND DEVELOPMENT

Departmental Advisory: READ 015
Catalog Description: This course explores the physical, social-emotional, cognitive, and language development of children from birth to age three. It fulfills the California licensing requirements for infant center personnel and includes infant/toddler interactions and curriculum.
Schedule Description: This course explores the physical, social-emotional, cognitive and language development of children from birth to age three. It fulfills the California licensing requirements for infant center personnel.
Equate: CD 185 at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording and updating course descriptions.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 186	INFANT AND TODDLER CURRICULUM

Departmental Advisory: READ 015
Equate: CD 186 at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 205	CHILD DEVELOPMENT PRACTICUM / FIELD EXPERIENCE

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
Departmental Advisory: READ 015
Equate: CD 205 at CHC.
Rationale: Content review. Updating hours and advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 210	INFANT AND TODDLER PRACTICUM

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
Departmental Advisory: READ 015
Equate: Course not offered at CHC.
Rationale: Content review. Updating hours and advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 215	EARLY INTERVENTION AND INCLUSION INTERNSHIP

Departmental Advisory: READ 015
Equate: Course not offered at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 244	CHILDREN WITH SPECIAL NEEDS

Departmental Advisory: READ 015
Equate: CD 244 at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 245	EARLY INTERVENTION AND INCLUSION

Departmental Advisory: READ 015
Equate: Course not offered at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 270	ADULT SUPERVISION AND MENTORING IN EARLY CARE AND EDUCATION

Departmental Advisory: READ 015
Equate: CD 270 at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 271	ADMINISTRATION I: PROGRAMS IN EARLY CHILDHOOD EDUCATION

Departmental Advisory: READ 015
Equate: CD 271 at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
CD 272	ADMINISTRATION II: PERSONNEL AND LEADERSHIP IN EARLY CHILDHOOD

Departmental Advisory: CD 271 and READ 015
Equate: Course not offered at CHC.
Rationale: Content review. Updating departmental advisory to remove eligibility wording.
Effective: Fall 2020

COURSE ID	COURSE TITLE
DIESEL 034	DIESEL ALTERNATIVE FUELS

Course ID: **HMDT 034**
Catalog Description: This course provides theory and hands-on experience in the operation, service, inspection, and maintenance of compressed natural gas (CNG) vehicle systems. This course prepares students for the ASE Alternate Fuels Test (F-1). (Formerly DIESEL 034)
Schedule Description: This course provides theory and hands-on experience in the operation, service, inspection, and maintenance of compressed natural gas (CNG) vehicle systems. This course prepares students for the ASE Alternate Fuels Test (F-1). (Formerly DIESEL 034)
TOP Code: 0948.40
Equate: Course not offered at CHC.
Rationale: Updating department name from DIESEL to HMDT, adding formerly note to course descriptions, and updating TOP Code.

Effective: Fall 2020

COURSE ID	COURSE TITLE
FN 060	MODIFIED DIETS

Catalog Description: This course concentrates on the principles of nutrition in order to provide modified diets for individuals with a variety of health care conditions. The focus is on the rationale for the diet and how the modifications improve a person's overall well-being.

Schedule Description: This course concentrates on the principles of nutrition in order to provide modified diets to improve the well-being of individuals with a variety of health care conditions.

Equate: Course not offered at CHC.

Rationale: Content review. Removing formerly note from course descriptions.

Effective: Fall 2020

COURSE ID	COURSE TITLE
FN 064	NUTRITION MANAGEMENT

Departmental Advisory: None

Equate: Course not offered at CHC.

Rationale: Content review. Removing ENGL 914 and MATH 942 advisories.

Effective: Fall 2020

COURSE ID	COURSE TITLE
FN 066	NUTRITION CARE

Catalog Description: This course integrates the academic content and principles of nutrition, diet and menu development with the application of nutrition care, diet evaluation, diet education and dietetic practice.

Schedule Description: This course integrates the academic content and principles of nutrition, diet and menu development with the application of nutrition care, diet evaluation, diet education and dietetic practice.

Equate: Course not offered at CHC.

Rationale: Content review. Removing formerly note from course descriptions.

Effective: Fall 2020

COURSE ID	COURSE TITLE
FN 162	INTRODUCTION TO FOOD AND NUTRITION

Departmental Advisory: ENGL 101 or ENGL 101H

Equate: Course not offered at CHC.

Rationale: Updating to align with C-ID, adding ENGL 101 or ENGL 101H as an advisory.

Effective: Fall 2020

COURSE ID	COURSE TITLE
MATH 090	ELEMENTARY ALGEBRA

Catalog Description: This course includes the basic concepts typically introduced in high school algebra, including operations on polynomials, exponents, solving linear and quadratic equations, linear inequalities, system linear of equations, word problems, factoring, rational expressions, and graphing linear equations.

Schedule Description: This course includes the basic concepts typically introduced in high school algebra, including operations on polynomials, exponents, solving linear and quadratic equations, linear inequalities, system linear of equations, word problems, factoring, rational expressions, and graphing linear equations.

Equate: MATH 090 at CHC.

Rationale: Content review. Updating course descriptions, SLOs, content, and assignments.

Effective: Fall 2020

COURSE ID	COURSE TITLE
MATH 095	INTERMEDIATE ALGEBRA

Catalog Description: This course includes finding solutions to quadratic equations and inequalities, rational exponents and radicals, solving linear systems of equations and inequalities, functions, exponential and logarithm functions, and application problems.

Schedule Description: This course includes finding solutions to quadratic equations and inequalities, rational exponents and radicals, solving linear systems of equations and inequalities, functions, exponential and logarithm functions, and application problems.

Equate: MATH 095 at CHC.

Rationale: Content review. Updating course descriptions, SLOs, and content.

Effective: Fall 2020

COURSE ID	COURSE TITLE
PHT 060	PHARMACY SYSTEMS I

Schedule Description: This class introduces the student to the field of pharmacy, its history, environment, and processes. It emphasizes out-patient/community service pharmacy settings in issues of prescription processing, pharmacy business management, federal laws/regulation, protocol procedures, and pharmacy references/associations for assistance.

Equate: Course not offered at CHC.

Rationale: Content review. Updating schedule description.

Effective: Fall 2020

COURSE ID	COURSE TITLE
PHT 062	PHARMACOLOGY I

Departmental Advisory: None

Equate: Course not offered at CHC.

Rationale: Content review. Removing departmental advisory.

Effective: Fall 2020

COURSE ID	COURSE TITLE
PHT 064	PHARMACY CALCULATIONS

Prerequisite: None
Catalog Description: In this course students apply mathematical skills to the calculation of medication dosages, intravenous solutions, and pharmacy operations.
Schedule Description: In this course students apply mathematical skills to the calculation of medication dosages, intravenous solutions, and pharmacy operations.
Equate: Course not offered at CHC.
Rationale: Content review. Removing prerequisite and formerly note.
Effective: Fall 2020

COURSE ID	COURSE TITLE
PHT 070	PHARMACY SYSTEMS II

Prerequisite: PHT 060, PHT 062 and PHT 064
Corequisite: None
Equate: Course not offered at CHC.
Rationale: Content review. Updating prerequisite and removing corequisite.
Effective: Fall 2020

COURSE ID	COURSE TITLE
PHT 071	PHARMACOLOGY II

Prerequisite: PHT 062
Equate: Course not offered at CHC.
Rationale: Content review. Updating prerequisite.
Effective: Fall 2020

COURSE ID	COURSE TITLE
PHT 072	PHARMACY CLINICAL EXPERIENCE

Corequisite: PHT 074
Equate: Course not offered at CHC.
Rationale: Content review and adding corequisite.
Effective: Fall 2020

COURSE ID	COURSE TITLE
PHT 074	PHARMACY SEMINAR

Corequisite: PHT 072
Equate: Course not offered at CHC.
Rationale: Content review and adding corequisite.
Effective: Fall 2020

COURSE DELETIONS

CD 068

PHT 063

Rationale: Courses are no longer offered.

Effective: Fall 2020

DISTANCE EDUCATION

ACCT 030	ACCT 090	ART 102	ART 102H
CD 060	CD 061	CD 075	CD 105
CD 105H	CD 108	CD 113	CD 115
CD 126	CD 127	CD 133	CD 136
CD 138	CD 185	CD 186	CD 244
CD 270	CD 271	CD 272	CIT 010
CIT 045	CIT 048	ENGL 086	ENGL 087
ENGL 101	ENGL 101H	FN 064	HEALTH 103
HIST 176	KIN 200	LIB 070	LIB 071
LIB 073	LIB 110	MATH 090	MATH 095
MATH 096	MATH 102	MATH 103	MATH 108
MATH 115	MATH 141	MATH 602	MATH 608
MATH 942	MATH 952	MATH 962	PHT 060
PHT 062	PHT 064	PHT 070	PHT 074
POLIT 140	PSYCH 100H	READ 015	READ 100
READ 102	SPAN 104		

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: Spring 2020 or Fall 2020

NEW CERTIFICATE

CSU GE-BREADTH CERTIFICATE

The CSU GE-Breadth certificate of achievement is intended for students who are planning to transfer their lower-division transferable general education and major preparation courses from SBVC to a campus in the California State University (CSU) system. It may also be accepted by some private/independent or out of state universities. Successful completion of the CSU GE-Breadth certificate requires an overall grade point average (GPA) of at least a 2.0.

Students are strongly advised to meet with a counselor early to discuss their transfer plans, as completion of the CSU GE-Breadth does not guarantee admission to a specific campus within the CSU system, nor does it guarantee admission to a specific major. Students are required to have a minimum total of 60 transferable units that include a combination of general education and major preparation courses.

Area A: English Language, Communication and Critical Thinking

Three courses required; minimum 9 semester units total

A1: Oral Communication

One course required, minimum 3 semester units

		Units
COMMST 100	Elements of Public Speaking	3
COMMST 100H	Elements of Public Speaking - Honors	3
COMMST 111	Interpersonal Communication	3
COMMST 140	Small Group Communication	3

A2: Written Communication

One course required, minimum 3 semester units

		Units
ENGL 101	Freshman Composition	4
ENGL 101H	Freshman Composition-Honors	4

A3: Critical Thinking

One course required, minimum 3 semester units

		Units
COMMST 125	Critical Thinking Through Argumentation and Debate	3
ENGL 102	Intermediate Composition and Critical Thinking	4
ENGL 102H	Intermediate Composition and Critical Thinking - Honors	4
PHIL 102	Critical Thinking and Writing	3
PHIL 103	Introduction to Logic: Argument and Evidence	3
READ 102	Critical Reading as Critical Thinking	3

Area B: Scientific Inquiry and Quantitative Reasoning

Three courses required, minimum 9 semester units total

One course from B1 and one course from B2; one of these courses must include a laboratory

One course from B4

B1: Physical Science

One course required

		Units
ASTRON 120	Introduction to Astronomy	3
ASTRON 125	Astronomy Laboratory	1
CHEM 101	Introductory Chemistry	4
CHEM 104	Introduction to Organic Chemistry and Biochemistry	4
CHEM 104H	Introduction to Organic Chemistry and Biochemistry - Honors	4

CHEM 105	Introduction to General, Organic and Biochemistry	5
CHEM 110	Environmental and Consumer Chemistry	3
CHEM 150	General Chemistry I	5
CHEM 150H	General Chemistry I - Honors	5
CHEM 151	General Chemistry II	5
CHEM 151H	General Chemistry II - Honors	5
CHEM 212	Organic Chemistry I	4
CHEM 212H	Organic Chemistry I - Honors	4
CHEM 213	Organic Chemistry II	4
CHEM 213H	Organic Chemistry II - Honors	4
GEOG 110	Physical Geography	3
GEOG 111	Physical Geography Laboratory	1
GEOG 111H	Physical Geography Laboratory - Honors	1
GEOG 114	Weather and Climate	4
GEOL 101	Introduction to Physical Geology	3
GEOL 111	Introduction to Physical Geology Laboratory	1
GEOL 112	Historical Geology	4
GEOL 122	Environmental Geology	3
GEOL 250	Geology of California	3
GEOL 251	Geology of National Parks and Monuments	3
OCEAN 101	Elements of Oceanography	3
OCEAN 111	Elements of Oceanography Laboratory	1
PHYSIC 101	Introductory Physics	4
PHYSIC 150A	General Physics for the Life Sciences I	5
PHYSIC 150B	General Physics for the Life Sciences II	5
PHYSIC 200	Physics I	6
PHYSIC 201	Physics II	6
PS 101	Introduction to Physical Science	3

B2: Life Science

One course required

		Units
ANTHRO 106	Biological Anthropology	3
ANTHRO 106H	Biological Anthropology - Honors	3
ANTHRO 106L	Biological Anthropology Laboratory	1
BIOL 100	General Biology	4
BIOL 102	Human Biology	3
BIOL 104	Human Ecology	3
BIOL 109	History of Life	4
BIOL 109H	History of Life - Honors	4
BIOL 141	Genetics	3
BIOL 155	Introductory Anatomy and Physiology	4
BIOL 205	Cell and Molecular Biology	4
BIOL 206	Organismal Biology	4
BIOL 207	Evolutionary Ecology	4
BIOL 250	Human Anatomy and Physiology I	4
BIOL 251	Human Anatomy and Physiology II	4
BIOL 260	Human Anatomy	4
BIOL 261	Human Physiology	4
BIOL 270	Microbiology	5
PSYCH 141	Introduction to Biological Psychology	3

B3: Laboratory Activity

The requirement is satisfied by completion of any course in B1 or B2 with a laboratory.

B4: Mathematics/Quantitative Reasoning

One course required; a minimum grade of "C-" is required

		Units
ECON 208	Business and Economic Statistics	4
MATH 102	College Algebra	4
MATH 103	Plane Trigonometry	4
MATH 108	Introduction to Probability and Statistics	4
MATH 115	Ideas of Mathematics	3
MATH 141	Business Calculus	4
MATH 151	Precalculus	4
MATH 250	Single Variable Calculus I	4
MATH 251	Single Variable Calculus II	4
MATH 252	Multivariable Calculus	5
MATH 265	Linear Algebra	4
MATH 266	Ordinary Differential Equations	4
PSYCH 105	Statistics for the Behavioral Sciences	4

Area C: Arts and Humanities

Three courses required; minimum 3 semester units each

One course must be from C1 and one course from C2

C1: Arts

One course required

		Units
ANTHRO 109	Visual Culture and Art	3
ARCH 145	History of Architecture: Early Design through Gothic	3
ARCH 145H	History of Architecture: Early Design through Gothic - Honors	3
ARCH 146	History of Architecture: Renaissance through Modern	3
ARCH 146H	Architecture History: Renaissance to Modern - Honors	3
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 103	Art Appreciation	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
DANCE 200	Dance History and Appreciation	3
MUS 100	Music Appreciation	3
MUS 101	Music Theory I: Fundamentals	3
MUS 102	Music Theory II: Scales and Modes	3
MUS 104	History of Rock and Roll	3
MUS 105	American Popular Music	3
MUS 106	History of Jazz	3
MUS 107	Music of the World	3
MUS 121	Music History and Literature-Middle Ages through Baroque	3
MUS 121H	Music History and Literature - Middle Ages through Baroque - Honors	3
MUS 122	Music History and Literature - Classic through Contemporary	3

MUS 122H	Music History and Literature - Classic through Contemporary - Honors	3
RTVF 101	Introduction to Media Aesthetics and Cinematic Arts	3
THART 100	Introduction to the Theatre	3
THART 105	Script Analysis	3

C2: Humanities

One course required

		Units
ANTHRO 108	North American Indians	3
ANTHRO 110	Magic, Witchcraft, and Religion	3
ARAB 101	College Arabic I	5
ARAB 102	College Arabic II	5
ASL 109	American Sign Language I	4
ASL 110	American Sign Language II	4
ASL 111	American Sign Language III	4
ASL 112	American Sign Language IV	4
CHIN 101	College Mandarin Chinese I	5
CHIN 102	College Mandarin Chinese II	5
ENGL 140	Exploring the World of Science Fiction	3
ENGL 141	Mystery and Detective Fiction	3
ENGL 151	Freshman Composition and Literature	3
ENGL 151H	Freshman Composition and Literature-Honors	3
ENGL 153	Literature and Film	3
ENGL 155	Children's Literature	3
ENGL 161	Women Writers	3
ENGL 163	Chicano Literature	3
ENGL 165	African-American Literature	3
ENGL 175	The Literature and Religion of the Bible	3
ENGL 232	Creative Writing	3
ENGL 260	American Literature to Mid 19th Century	3
ENGL 261	American Literature from 1865 to Present	3
ENGL 270	English Literature: Middle Ages to 18th Century	3
ENGL 270H	English Literature: Middle Ages to 18th Century-Honors	3
ENGL 271	English Literature: 18th Century to Present	3
ENGL 271H	English Literature: 18th Century to Present-Honors	3
ENGL 275	Shakespeare	3
ENGL 280	World Literature to 17th Century	3
ENGL 281	World Literature 17th Century to Present	3
FRENCH 101	College French I	5
FRENCH 102	College French II	5
HIST 100	United States History to 1877	3
HIST 100H	United States History to 1877 - Honors	3
HIST 101	United States History: 1865 to Present	3
HIST 101H	United States History: 1865 to Present - Honors	3
HIST 107	The United States and the North American Indians	3
HIST 137	Racial and Ethnic Groups in United States History	3
HIST 138	African-American History to 1877	3
HIST 139	African-American History 1877 to Present	3
HIST 140	Chicano History	3
HIST 145	History of California	3
HIST 150	Introduction to Latin American History	3

HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3
HIST 176	Comparative History of Genocide and War Crimes	3
PHIL 101	Introduction to Philosophy	3
PHIL 101H	Introduction to Philosophy - Honors	3
PHIL 105	Introduction to Ethics	3
PHIL 112	Philosophy in Literature	3
PHIL 180	Death and Dying	3
RELIG 100	Introduction to Religious Studies	3
RELIG 100H	Introduction to Religious Studies-Honors	3
RELIG 101	Introduction to World Religions	3
RELIG 110	Magic, Witchcraft, and Religion	3
RELIG 135	Religion in America	3
RELIG 150	Introduction to Mythology	3
RELIG 175	The Literature and Religion of the Bible	3
RELIG 176	Jesus and His Interpreters	3
RELIG 180	Death and Dying	3
SPAN 101	College Spanish I	5
SPAN 101H	College Spanish I - Honors	5
SPAN 102	College Spanish II	5
SPAN 102H	College Spanish II - Honors	5
SPAN 103	College Spanish III	4
SPAN 103H	College Spanish III - Honors	4
SPAN 104	College Spanish IV	4
SPAN 157	Spanish for Heritage Speakers I	4
SPAN 158	Spanish for Heritage Speakers II	4

Area D: Social Sciences

Three courses required, minimum 3 semester units each
Courses must be from at least two disciplines

Units

		Units
ANTHRO 100	Introduction to Archaeology	3
ANTHRO 102	Cultural Anthropology	3
ANTHRO 102H	Cultural Anthropology - Honors	3
ANTHRO 103	Anthropology of Food	3
ANTHRO 106	Biological Anthropology	3
ANTHRO 106H	Biological Anthropology - Honors	3
ANTHRO 108	North American Indians	3
ANTHRO 109	Visual Culture and Art	3
ANTHRO 110	Magic, Witchcraft, and Religion	3
ANTHRO 125	Language and Culture	3
CD 105	Child Growth and Development	3
CD 105H	Child Growth and Development-Honors	3
CD 108	Early Childhood Development	3
CD 126	Child, Family, and the Community	3
COMMST 135	Mass Media and Society	3
COMMST 174	Intercultural Communication	3
COMMST 176	Gender Differences in Communication	3
ECON 100	Introduction to Economics	3
ECON 200	Principles of Macroeconomics	3
ECON 200H	Principles of Macroeconomics - Honors	3

ECON 201	Principles of Microeconomics	3
ECON 201H	Principles of Microeconomics - Honors	3
GEOG 102	Cultural Geography	3
GEOG 106	Geographic Perspectives on the Environment	3
GEOG 118	California Geography	3
GEOG 120	World Regional Geography	3
HIST 100	United States History to 1877	3
HIST 100H	United States History to 1877 - Honors	3
HIST 101	United States History: 1865 to Present	3
HIST 101H	United States History: 1865 to Present - Honors	3
HIST 107	The United States and the North American Indians	3
HIST 137	Racial and Ethnic Groups in United States History	3
HIST 138	African-American History to 1877	3
HIST 139	African-American History 1877 to Present	3
HIST 140	Chicano History	3
HIST 145	History of California	3
HIST 150	Introduction to Latin American History	3
HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3
HIST 176	Comparative History of Genocide and War Crimes	3
KIN 202	History of Physical Education and Sport in the United States	3
PHIL 180	Death and Dying	3
POLIT 100	American Politics	3
POLIT 110	Introduction to Political Theory	3
POLIT 110H	Introduction to Political Theory Honors	3
POLIT 140	Introduction to Comparative Politics	3
POLIT 141	Introduction to World Politics	3
POLIT 141H	Introduction to World Politics - Honors	3
PS 112	Introduction to the Development of Modern Science	3
PSYCH 100	General Psychology	3
PSYCH 100H	General Psychology - Honors	3
PSYCH 102	Personal and Social Adjustment	3
PSYCH 110	Abnormal Psychology	3
PSYCH 111	Developmental Psychology: Lifespan	3
PSYCH 112	Developmental Psychology: Child and Adolescent Psychology	3
PSYCH 118	Human Sexual Behavior	3
RELIG 110	Magic, Witchcraft, and Religion	3
RELIG 135	Religion in America	3
RELIG 180	Death and Dying	3
RTVF 100	Introduction to Electronic Media	3
SOC 100	Introduction to Sociology	3
SOC 100H	Introduction to Sociology - Honors	3
SOC 110	Social Problems	3
SOC 110H	Social Problems - Honors	3
SOC 120	Health and Social Justice	3
SOC 130	Family Sociology	3
SOC 135	Introduction to Crime	3
SOC 141	Race and Ethnic Relations	3
SOC 145	Sociology of Gender	3
SOC 150	Aging and the Life Course	3

Area E: Lifelong Learning and Self-Development**Minimum three semester units required****Former military personnel with a DD-214 will receive three units of credit to apply to this area.****Units**

		Units
BIOL 140	Biology of Sexually Transmitted Diseases	2
BUSAD 108	Personal Finance, Investments and Estate Planning	3
CD 101	Parent-Child Interaction	3
CD 105	Child Growth and Development	3
CD 105H	Child Growth and Development-Honors	3
CD 126	Child, Family, and the Community	3
FN 162	Introduction to Food and Nutrition	3
GEOG 106	Geographic Perspectives on the Environment	3
HEALTH 101	Health Education	3
HEALTH 103	Introduction to Holistic Health	3
KIN 236	Stress Management and Wellness	3
PSYCH 100	General Psychology	3
PSYCH 100H	General Psychology - Honors	3
PSYCH 102	Personal and Social Adjustment	3
PSYCH 111	Developmental Psychology: Lifespan	3
PSYCH 118	Human Sexual Behavior	3
SDEV 102	Pathways for College and Life Success	3
SDEV 103	Career Exploration and Life Planning	3
SOC 130	Family Sociology	3
SOC 150	Aging and the Life Course	3

Activity Course

One semester unit allowed to count toward Area E

		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
DANCE 114X4	Dance Rehearsal and Performance	4
DANCE 206X4	Dance Production	4
KINA: Adapted (All courses)		1
KINF: Fitness (All courses)		1
KINS: Sports (All courses)		1
KINX: Athletics (All courses)		1

CSU Graduation Requirement: U.S. History, Constitution and American Ideals**Any combination of one course from EACH group below will normally fulfill this requirement.****Courses may double count in areas C2 and/or D.****Units**

Group 1: POLIT 100

Group 2: HIST 100/100H, HIST 101/101H, HIST 137, HIST 139, HIST 140

Total Units**39**

Rationale: Students who complete an SBVC associate degree (AA/AS) and/or an associate degree for transfer (AA-T/AS-T) can complete the CSU GE-Breadth to satisfy their required general education courses.

Effective: Fall 2019

NEW CERTIFICATE

DIETETIC AIDE CERTIFICATE OF ACHIEVEMENT

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select. This program is designed to prepare students for entry level employment in a designated unit or department in health care, community care, school food service, or health and community directed programs of nutrition services. These services are often provided for the elderly and infants or children.

REQUIRED COURSES:	Units
CULART 225 Sanitation and Safety	3
CULART 160 Introduction to Foods	3
CULART 240 Procurement, Purchasing and Selection	3
FN 060 Modified Diets	3
FN 064 Nutrition Management	3
FN 162 Introduction to Food and Nutrition	3
FN 098 Food and Nutrition Work Experience	1 - 4
Total Units	19 - 22

This is a Gainful Employment Program

Rationale: Certificate was previously approved, but had to be pulled due to not being approved by the State Chancellor's Office. Certificate will now receive proper approvals prior to being offered.

Effective: Fall 2020

NEW CERTIFICATE

DIETETIC SERVICE SUPERVISOR CERTIFICATE OF ACHIEVEMENT

Students receive education and training for entry level management positions in a food service department within a health care facility, community care or school food service organizations. Supervisors write menus, design diets, teach classes to food service personnel and give instruction on individual diets.

REQUIRED COURSES:	Units
CULART 225 Sanitation and Safety	3
CULART 160 Introduction to Foods	3
CULART 161 Quantity Food Preparation	3
CULART 201 Management of Human Resources in Hospitality	3
FN 060 Modified Diets	3
FN 064 Nutrition Management	3
FN 066 Nutrition Care	2
FN 098 Food and Nutrition Work Experience	1 - 4
FN 162 Introduction to Food and Nutrition	3
Total Units	24 - 27

Rationale: Certificate was previously approved, but had to be pulled due to not being approved by the State Chancellor's Office. Certificate will now receive proper approvals prior to being offered.

Effective: Fall 2020

NEW CERTIFICATE

FLIGHT OPERATIONS CERTIFICATE OF COMPLETION

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

REQUIRED COURSES:

	Hours
AERO 621 Aviation Fundamentals	48 - 54
AERO 622 Private Pilot Ground School	96 - 108
AERO 624 Aircraft Powerplants	48 - 54
AERO 625 Flight Safety	32 - 36
AERO 626 Airframe Structures	48 - 54
AERO 640 Instrument Ground School	96 - 108
AERO 646 Aviation Weather	48 - 54
Total Hours	416 - 468

Rationale: This is a specialized certificate geared specifically for students looking to work in aviation flight related fields. Certificate is the noncredit mirror version of the Flight Operations Certificate of Achievement.

Effective: Fall 2020

NEW CERTIFICATE

IGETC CERTIFICATE

The Intersegmental General Education Transfer Curriculum (IGETC) certificate of achievement is intended for students who are planning to transfer their lower-division transferable general education and major preparation courses from SBVC to a campus in the California State University (CSU) or University of California (UC) system. It may also be accepted by some private/independent or out of state universities. The course requirements for all areas in IGETC must be completed with a grade of "C" or higher.

Students are strongly advised to meet with a counselor early to discuss their transfer plans, as completion of the IGETC certificate does not guarantee admission to a specific campus within the CSU or UC system, nor does it guarantee acceptance into a specific major. Students are required to have a minimum total of 60 transferable units that include a combination of general education and major preparation courses.

Area 1: English Communication

CSU: Three courses required, one from each group below

UC: Two courses required, one each from 1A and 1B

1A: English Composition

One course required, minimum 3 semester units

	Units
ENGL 101 Freshman Composition	4
ENGL 101H Freshman Composition-Honors	4

1B: Critical Thinking/English Composition

One course required, minimum 3 semester units

	Units
ENGL 102 Intermediate Composition and Critical Thinking	4

ENGL 102H	Intermediate Composition and Critical Thinking - Honors	4
PHIL 102	Critical Thinking and Writing	3

1C: Oral Communication (CSU ONLY)
One course required, minimum 3 semester units

		Units
COMMST 100	Elements of Public Speaking	3
COMMST 100H	Elements of Public Speaking - Honors	3
COMMST 111	Interpersonal Communication	3
COMMST 140	Small Group Communication	3

Area 2: Mathematical Concepts and Quantitative Reasoning
One course required, minimum 3 semester units

ECON 208	Business and Economic Statistics	4
MATH 102	College Algebra	4
MATH 108	Introduction to Probability and Statistics	4
MATH 115	Ideas of Mathematics	3
MATH 141	Business Calculus	4
MATH 151	Precalculus	4
MATH 250	Single Variable Calculus I	4
MATH 251	Single Variable Calculus II	4
MATH 252	Multivariable Calculus	5
MATH 265	Linear Algebra	4
MATH 266	Ordinary Differential Equations	4
PSYCH 105	Statistics for the Behavioral Sciences	4

Area 3: Arts and Humanities
Three courses required, minimum 3 semester units each
One course must be from 3A and one course from 3B

3A: Arts
One course required

		Units
ANTHRO 109	Visual Culture and Art	3
ARCH 145	History of Architecture: Early Design through Gothic	3
ARCH 145H	History of Architecture: Early Design through Gothic - Honors	3
ARCH 146	History of Architecture: Renaissance through Modern	3
ARCH 146H	Architecture History: Renaissance to Modern - Honors	3
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 103	Art Appreciation	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
DANCE 200	Dance History and Appreciation	3
MUS 100	Music Appreciation	3
MUS 101	Music Theory I: Fundamentals	3
MUS 102	Music Theory II: Scales and Modes	3
MUS 104	History of Rock and Roll	3
MUS 105	American Popular Music	3

MUS 106	History of Jazz	3
MUS 107	Music of the World	3
MUS 121	Music History and Literature-Middle Ages through Baroque	3
MUS 121H	Music History and Literature - Middle Ages through Baroque - Honors	3
MUS 122	Music History and Literature - Classic through Contemporary	3
MUS 122H	Music History and Literature - Classic through Contemporary - Honors	3
THART 100	Introduction to the Theatre	3
THART 105	Script Analysis	3

3B: Humanities

One course required

		Units
ARAB 102	College Arabic II	5
ANTHRO 108	North American Indians	3
ANTHRO 110	Magic, Witchcraft, and Religion	3
ASL 111	American Sign Language III	4
ASL 112	American Sign Language IV	4
ENGL 140	Exploring the World of Science Fiction	3
ENGL 141	Mystery and Detective Fiction	3
ENGL 151	Freshman Composition and Literature	3
ENGL 151H	Freshman Composition and Literature-Honors	3
ENGL 153	Literature and Film	3
ENGL 155	Children's Literature	3
ENGL 161	Women Writers	3
ENGL 163	Chicano Literature	3
ENGL 165	African-American Literature	3
ENGL 175	The Literature and Religion of the Bible	3
ENGL 260	American Literature to Mid-19th Century	3
ENGL 261	American Literature from 1865 to Present	3
ENGL 270	English Literature: Middle Ages to 18th Century	3
ENGL 270H	English Literature: Middle Ages to 18th Century-Honors	3
ENGL 271	English Literature: 18th Century to Present	3
ENGL 271H	English Literature: 18th Century to Present-Honors	3
ENGL 275	Shakespeare	3
ENGL 280	World Literature to 17th Century	3
ENGL 281	World Literature 17th Century to Present	3
FRENCH 102	College French II	5
HIST 100	United States History to 1877	3
HIST 100H	United States History to 1877 - Honors	3
HIST 101	United States History: 1865 to Present	3
HIST 101H	United States History: 1865 to Present - Honors	3
HIST 107	The United States and the North American Indians	3
HIST 137	Racial and Ethnic Groups in United States History	3
HIST 138	African-American History to 1877	3
HIST 139	African-American History 1877 to Present	3
HIST 140	Chicano History	3
HIST 145	History of California	3
HIST 150	Introduction to Latin American History	3
HIST 170	World History to 1500	3

HIST 171	World History Since 1500	3
HIST 176	Comparative History of Genocide and War Crimes	3
PHIL 101	Introduction to Philosophy	3
PHIL 101H	Introduction to Philosophy - Honors	3
PHIL 105	Introduction to Ethics	3
PHIL 112	Philosophy in Literature	3
PHIL 180	Death and Dying	3
RELIG 100	Introduction to Religious Studies	3
RELIG 100H	Introduction to Religious Studies-Honors	3
RELIG 101	Introduction to World Religions	3
RELIG 110	Magic, Witchcraft, and Religion	3
RELIG 135	Religion in America	3
RELIG 150	Introduction to Mythology	3
RELIG 175	The Literature and Religion of the Bible	3
RELIG 176	Jesus and His Interpreters	3
RELIG 180	Death and Dying	3
SPAN 102	College Spanish II	5
SPAN 102H	College Spanish II - Honors	5
SPAN 103	College Spanish III	4
SPAN 103H	College Spanish III - Honors	4
SPAN 104	College Spanish IV	4
SPAN 157	Spanish for Heritage Speakers I	4
SPAN 158	Spanish for Heritage Speakers II	4

Area 4: Social and Behavioral Sciences

**Three courses required, minimum 3 semester units each
Courses must be from at least two disciplines**

Units

4A: Anthropology and Archaeology

		Units
ANTHRO 100	Introduction to Archaeology	3
ANTHRO 102	Cultural Anthropology	3
ANTHRO 102H	Cultural Anthropology - Honors	3
ANTHRO 103	Anthropology of Food	3
ANTHRO 106	Biological Anthropology	3
ANTHRO 106H	Biological Anthropology - Honors	3
ANTHRO 108	North American Indians	3
ANTHRO 109	Visual Culture and Art	3
ANTHRO 110	Magic, Witchcraft, and Religion	3
ANTHRO 125	Language and Culture	3
RELIG 110	Magic, Witchcraft, and Religion	3

4B: Economics

		Units
ECON 100	Introduction to Economics	3
ECON 200	Principles of Macroeconomics	3
ECON 200H	Principles of Macroeconomics - Honors	3
ECON 201	Principles of Microeconomics	3
ECON 201H	Principles of Microeconomics - Honors	3

4C: Ethnic Studies

		Units
HIST 107	The United States and the North American Indians	3
HIST 137	Racial and Ethnic Groups in United States History	3
HIST 138	African-American History to 1877	3
HIST 139	African-American History 1877 to Present	3
HIST 145	History of California	3
SOC 145	Sociology of Gender	3

4D: Gender Studies

		Units
COMMST 176	Gender Differences in Communication	3

4E: Geography

		Units
GEOG 102	Cultural Geography	3
GEOG 106	Geographic Perspectives on the Environment	3
GEOG 118	California Geography	3
GEOG 120	World Regional Geography	3

4F: History

		Units
HIST 100	United States History to 1877	3
HIST 100H	United States History to 1877 - Honors	3
HIST 101	United States History: 1865 to Present	3
HIST 101H	United States History: 1865 to Present - Honors	3
HIST 107	The United States and the North American Indians	3
HIST 137	Racial and Ethnic Groups in United States History	3
HIST 138	African-American History to 1877	3
HIST 139	African-American History 1877 to Present	3
HIST 140	Chicano History	3
HIST 145	History of California	3
HIST 150	Introduction to Latin American History	3
HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3
HIST 176	Comparative History of Genocide and War Crimes	3
KIN 202	History of Physical Education and Sport in the United States	3

4G: Interdisciplinary Social or Behavioral Science

		Units
CD 105	Child Growth and Development	3
CD 105H	Child Growth and Development-Honors	3
CD 126	Child, Family, and the Community	3
COMMST 135	Mass Media and Society	3
COMMST 174	Intercultural Communication	3
COMMST 176	Gender Differences in Communication	3
PHIL 180	Death and Dying	3
RELIG 180	Death and Dying	3

4H: Political Science

Units

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

4I: Psychology

		Units
CD 108	Early Childhood Development	3
PSYCH 100	General Psychology	3
PSYCH 100H	General Psychology - Honors	3
PSYCH 102	Personal and Social Adjustment	3
PSYCH 110	Abnormal Psychology	3
PSYCH 111	Developmental Psychology: Lifespan	3
PSYCH 112	Developmental Psychology: Child and Adolescent Psychology	3
PSYCH 118	Human Sexual Behavior	3

4J: Sociology and Criminology

		Units
SOC 100	Introduction to Sociology	3
SOC 100H	Introduction to Sociology - Honors	3
SOC 110	Social Problems	3
SOC 110H	Social Problems - Honors	3
SOC 120	Health and Social Justice	3
SOC 130	Family Sociology	3
SOC 135	Introduction to Crime	3
SOC 141	Race and Ethnic Relations	3
SOC 145	Sociology of Gender	3
SOC 150	Aging and the Life Course	3

Area 5: Physical and Biological Sciences

Two courses required, minimum 7 semester units total

1 course from 5A and 1 course from 5B

One course must include a laboratory

Units

5A: Physical Science

One course required

		Units
ASTRON 120	Introduction to Astronomy	3
ASTRON 125	Astronomy Laboratory	1
CHEM 101	Introductory Chemistry	4
CHEM 104	Introduction to Organic Chemistry and Biochemistry	4
CHEM 104H	Introduction to Organic Chemistry and Biochemistry - Honors	4
CHEM 105	Introduction to General, Organic and Biochemistry	5
CHEM 150	General Chemistry I	5
CHEM 150H	General Chemistry I - Honors	5
CHEM 151	General Chemistry II	5
CHEM 151H	General Chemistry II - Honors	5
CHEM 212	Organic Chemistry I	4
CHEM 212H	Organic Chemistry I - Honors	4

CHEM 213	Organic Chemistry II	4
CHEM 213H	Organic Chemistry II - Honors	4
GEOG 110	Physical Geography	3
GEOG 111	Physical Geography Laboratory	1
GEOG 111H	Physical Geography Laboratory - Honors	1
GEOG 114	Weather and Climate	4
GEOL 101	Introduction to Physical Geology	3
GEOL 111	Introduction to Physical Geology Laboratory	1
GEOL 112	Historical Geology	4
GEOL 122	Environmental Geology	3
GEOL 250	Geology of California	3
GEOL 251	Geology of National Parks and Monuments	3
OCEAN 101	Elements of Oceanography	3
OCEAN 111	Elements of Oceanography Laboratory	1
PHYSIC 101	Introductory Physics	4
PHYSIC 150A	General Physics for the Life Sciences I	5
PHYSIC 150B	General Physics for the Life Sciences II	5
PHYSIC 200	Physics I	6
PHYSIC 201	Physics II	6

5B: Biological Science
One course required

	Units	
ANTHRO 106	Biological Anthropology	3
ANTHRO 106H	Biological Anthropology - Honors	3
ANTHRO 106L	Biological Anthropology Laboratory	1
BIOL 100	General Biology	4
BIOL 102	Human Biology	3
BIOL 104	Human Ecology	3
BIOL 109	History of Life	4
BIOL 109H	History of Life - Honors	4
BIOL 141	Genetics	3
BIOL 205	Cell and Molecular Biology	4
BIOL 206	Organismal Biology	4
BIOL 207	Evolutionary Ecology	4
BIOL 250	Human Anatomy and Physiology I	4
BIOL 251	Human Anatomy and Physiology II	4
BIOL 260	Human Anatomy	4
BIOL 261	Human Physiology	4
BIOL 270	Microbiology	5
PSYCH 141	Introduction to Biological Psychology	3

Area 6A: Language Other Than English (LOTE)
UC Requirement ONLY
Proficiency equivalent to 2 years of H.S. in the same language

	Units	
OR		
Complete one of the courses listed below		
ARAB 101	College Arabic I	5
ARAB 102	College Arabic II	5
ASL 109	American Sign Language I	4
CHIN 101	College Mandarin Chinese I	5

CHIN 102	College Mandarin Chinese II	5
FRENCH 101	College French I	5
SPAN 101	College Spanish I	5
SPAN 101H	College Spanish I - Honors	5
SPAN 102	College Spanish II	5
SPAN 102H	College Spanish II - Honors	5
SPAN 157	Spanish for Heritage Speakers I	4

CSU Graduation Requirement (not required for IGETC Certification):
 U.S. History, Constitution and American Ideals
 Any combination of one course from EACH group below will normally fulfill this requirement.
 Courses may double count in areas 3B and/or 4.
 Group 1: POLIT 100
 Group 2: HIST 100/100H, HIST 101/101H, HIST 137, HIST 139, HIST 140

Total Units **37 - 39**

Rationale: Students who complete an SBVC associate degree (AA/AS) and/or an associate degree for transfer (AA-T/AS-T) can complete the IGETC to satisfy their required general education courses.

Effective: Fall 2019

NEW CERTIFICATE

SMART SYSTEMS AUTOMATION TECHNOLOGY CERTIFICATE OF COMPLETION

This noncredit certificate is designed to provide students with the fundamentals of smart devices as they apply to smart systems automation technology. The curriculum prepares students for entry-level positions in computer networking, security and surveillance, audio-video entertainment systems, and environmental controls.

REQUIRED COURSES:		Hours
ELECTR 620	Introduction to Computer Networking	96 - 108
ELECTR 621	Security, Alarm, and Surveillance Systems	96 - 108
ELECTR 622	Smart Environmental Controls	96 - 108
ELECTR 623	Audio-Video Entertainment Systems	96 - 108
Total Hours		384 - 432

Rationale: This program prepares students to take the Certified Smart Technology Systems (STS) Exams with the Electronics Technicians Association International, Inc. The certification examinations are Certified Smart Technology Systems (STS) - Basic Exam, Certified Smart Technology Systems with Endorsement Options: Audio-Video, Computer Networking, Environmental Controls, and Security-Surveillance.

Effective: Fall 2020

NEW CERTIFICATE

STERILE PROCESSING CERTIFICATE

This is a vocational program that prepares students to work in Central Service at Hospitals and Medical facilities as a Sterile Processing/Central Service Technician. The Sterile Processing/Central Service Technician decontaminates, inspects, assembles, and sterilizes instruments and surgical trays. The technician also manages inventory control, orders supplies, inspects, maintains, delivers and retrieves equipment and instruments for the surgery suite, emergency room and intensive care units. A hands-on clinical practicum experience in an area hospital is included in the course of study.

The Sterile Processing program integrates theory, simulations, mock-surgery laboratories, and clinical practice to prepare students to take the International Association of Healthcare Central Service Material Management (IAHCSMM) Certification as a Sterile Processing/Central Service Technician.

Before acceptance to the Sterile program students must complete the following prerequisite courses with a "C" or higher: Bio 155 Introductory Anatomy and Physiology, STSP 050 Medical Terminology for Surgical Technologists, and STSP 051 Pharmacology for Surgical Technologists. State law requires that any person providing services that involve direct contact with patients and/or residents have a background check conducted by the State.

PROGRAM PREREQUISITES:

BIOL 155	Introductory Anatomy and Physiology	Units	4
STSP 050	Medical Terminology for Surgical Technologists		3
STSP 051	Pharmacology for Surgical Technologists		4

REQUIRED COURSES:

STSP 060	Principles of Surgical Technology	Units	8
STSP 061	Surgical Patient Care Concepts		5
STSP 062	Sterile Processing and Surgical Instrumentation		3
STSP 063	Sterile Processing Clinical Externship I		4
STSP 083	Sterile Processing Clinical Externship II		4

Total Units

35

This is a Gainful Employment Program

Rationale: The enrollment projection for this program is 15-30 students within the first year. Based on "The State of the San Bernardino County Economy" 2017 Annual Report, one of the top industry by growth in San Bernardino County is the Health Care sector with 2.1% growth annually.

Effective: Fall 2020

NEW CERTIFICATE

SURGICAL TECHNOLOGIST CERTIFICATE

This is a vocational program that prepares students to work on a multidisciplinary team that includes registered nurses and physicians who are caring for patients in an operating room or surgical practice setting.

The Sterile program integrates theory, simulations, mock-surgery laboratories, and clinical practice to prepare students to take the National Exam for Certification as a Surgical Technologist. The curriculum is designed to develop a student's ability to promote and maintain a safe perioperative environment by integrating surgical asepsis and skill competency to intervene therapeutically for the health of the surgical patient.

Before acceptance to the Sterile program students must complete the following prerequisite courses with a "C" or higher: BIOL 155 Introductory Anatomy and Physiology, STSP 050 Medical Terminology for Surgical Technologists, and STSP 051 Pharmacology for Surgical Technologists. Students entering the Surgical Technologist program must have current

certification in Sterile Processing or equivalent as determined by the Department. State law requires that any person providing services that involve direct contact with patients and/or residents have a background check conducted by the State.

PROGRAM PREREQUISITES:		Units
BIOL 155	Introductory Anatomy and Physiology	4
STSP 050	Medical Terminology for Surgical Technologists	3
STSP 051	Pharmacology for Surgical Technologists	4
REQUIRED COURSES:		Units
STSP 060	Principles of Surgical Technology	8
STSP 061	Surgical Patient Care Concepts	5
STSP 062	Sterile Processing and Surgical Instrumentation	3
STSP 063	Sterile Processing Clinical Externship I	4
STSP 070	Surgical Specialties	4
STSP 071	Surgical Procedures	1
STSP 080	Surgical Technology Clinical Practicum	11
STSP 083	Sterile Processing Clinical Externship II	4
Total Units		51

Rationale: The enrollment projection for this program is 15-30 students within the first year. Based on "The State of the San Bernardino County Economy" 2017 Annual Report, one of the top industry by growth in San Bernardino County is the Health Care sector with 2.1% growth annually.

Effective: Fall 2020

CERTIFICATE MODIFICATION

CHILD DEVELOPMENT - ASSOCIATE TEACHER CERTIFICATE OF ACHIEVEMENT

The Associate Teacher Certificate is designed to be the first step toward obtaining entry-level employment in the field of Early Childhood Education in a preschool or childcare setting. The Associate Teacher Certificate requires 19 CD units which includes four units of practicum/ supervised experience with young children.

This Certificate meets the unit and course requirements towards the California Title 5 requirements for the Child Development Associate Teacher Permit. Applications may be obtained through the California Commission on Teacher Credentialing Office or the Child Development Training Consortium (CDTC). After students take CD 205, more days of experience are needed to meet the 50 days of experience requirement for the CD Associate Teacher Permit. Child Development Work Experience, CD 098, may be taken to help meet the 50 day requirement.

Required Courses:		Units
CD 105	Child Growth and Development	3
or		
CD 105H	Child Growth and Development-Honors	3
CD 113	Principles and Practices of Teaching Young Children	3
CD 114	Introduction to Curriculum	3
CD 126	Child, Family, and the Community	3
Choose one (1) course from the following:		Units
CD 101	Parent-Child Interaction	3
CD 127	Guidance of Children	3
Required course for experience working with children:		Units
CD 205	Child Development Practicum / Field Experience	4
Recommended course to meet 50 day requirement for the Associate Teacher Permit:		Units
CD 098	Child Development Work Experience	1 - 4

Total Units

19

This is a Gainful Employment Program

Rationale: CTE and Content review. Updating catalog description to reflect changes to the certificate in the CD Practicum course which will no longer give the students 50 days of experience due to the change to a 16 week semester.

Effective: Fall 2020

CERTIFICATE MODIFICATION

CHILD DEVELOPMENT - EARLY INTERVENTION AND INCLUSION CERTIFICATE OF ACHIEVEMENT

The Early Intervention and Inclusion Certificate prepares individuals to work as early childhood paraprofessionals with expertise in special education and early intervention. The program's perspective is culturally sensitive and family-focused which emphasizes the value of individual differences in young children. This certificate meets the State's competencies for early childhood intervention/early childhood special education paraprofessionals.

This Certificate meets California Title 5 requirements for the Child Development Associate Teacher Permit. Upon completion of all the courses contact the California Commission on Teacher Credentialing Office for an application.

Required Courses:

	Units
CD 105 Child Growth and Development	3
or	
CD 105H Child Growth and Development-Honors	3
CD 111 Observation and Assessment in Child Development	3
CD 126 Child, Family, and the Community	3
CD 127 Guidance of Children	3
CD 185 Infant/Toddler Growth and Development	3
CD 186 Infant and Toddler Curriculum	3
CD 244 Children with Special Needs	3
CD 245 Early Intervention and Inclusion	3

Required Experience Working with Children:

Choose one (1) course

	Units
CD 205 Child Development Practicum / Field Experience	4
CD 210 Infant and Toddler Practicum	4
CD 215 Early Intervention and Inclusion Internship	4

Total Units

28

This is a Gainful Employment Program

Rationale: Content and CTE Review.

Effective: Fall 2020

CERTIFICATE MODIFICATION

CHILD DEVELOPMENT - FAMILY CHILD CARE PROVIDER CERTIFICATE OF ACHIEVEMENT

The Family Child Care Provider Certificate prepares students for working in family childcare or home childcare programs. The Family Child Care Certificate requires 25 CD units which includes practicum experience with children.

This Certificate meets the unit and course requirements towards the California Title 5 requirements for the Child Development Associate Teacher Permit. Applications may be obtained through the California Commission on Teacher Credentialing Office or the Child Development Training Consortium (CDTC). After students take CD 205, more days of experience are needed to meet the 50 days of experience requirement for the CD Associate Teacher Permit. Child Development Work Experience, CD 098, may be taken to help meet the 50 day requirement.

Required courses:	Units
CD 075 Family Child Care Practices	3
CD 105 Child Growth and Development	3
or	
CD 105H Child Growth and Development-Honors	3
CD 113 Principles and Practices of Teaching Young Children	3
CD 114 Introduction to Curriculum	3
CD 115 Health, Safety and Nutrition	3
CD 126 Child, Family, and the Community	3
Choose one (1) course from the following list:	Units
CD 061 Activities for School-Age Children	3
CD 186 Infant and Toddler Curriculum	3
Practicum experience working with children:	Units
CD 205 Child Development Practicum / Field Experience	4
Recommended course to meet the 50 day requirement for the Associate Teacher Permit:	Units
CD 098 Child Development Work Experience	1 - 4
Total Units	25

ADDITIONAL RECOMMENDED COURSE:

BUSAD 105 Small Business Management/Entrepreneurship (3 units)

This is a Gainful Employment Program

Rationale: CTE and Content Review. Some slight changes in the narrative description due to the change in 16 week semester in fall 2020 - CD 205 course cannot fit enough days in to meet the requirement.

Effective: Fall 2020

CERTIFICATE MODIFICATION

CHILD DEVELOPMENT - INFANT AND TODDLER CERTIFICATE OF ACHIEVEMENT

The Infant/Toddler Certificate is designed to be the first step toward obtaining entry-level employment specializing in infant/toddler care. Students will be prepared to work with infants/toddlers (0-36 months) enabling the student to assist a teacher in a public infant/toddler program or teach infants/toddlers in a private childcare setting. The Infant/Toddler Certificate requires 25 CD units, which includes four units of CD Practicum/Field Work experience with infants/toddlers.

Required Courses:		Units
CD 105	Child Growth and Development	3
or		
CD 105H	Child Growth and Development-Honors	3
CD 111	Observation and Assessment in Child Development	3
CD 126	Child, Family, and the Community	3
CD 127	Guidance of Children	3
CD 185	Infant/Toddler Growth and Development	3
CD 186	Infant and Toddler Curriculum	3
CD 244	Children with Special Needs	3
Experience Working with Children from Ages Birth-24 Months:		
Choose one (1) course		Units
CD 205	Child Development Practicum / Field Experience	4
CD 210	Infant and Toddler Practicum	4
Total Units		25

This is a Gainful Employment Program

Rationale: CTE and Content Review.
Effective: Fall 2020

CERTIFICATE MODIFICATION

CHILD DEVELOPMENT - MASTER TEACHER CERTIFICATE OF ACHIEVEMENT

The Master Teacher Certificate is designed to prepare students to supervise, mentor and assist other teachers and aides in a preschool or childcare and education setting. The Master Teacher Certificate requires 37 CD units which includes six specialization units and 4 units of CD Practicum/ Field Work experience with children preschool-12 years of age plus a minimum of 16 general education units. General Education units need to come from the each of the following categories and meet Valley College GE requirements: English, Social and Behavioral Sciences, Humanities and Math or Science.

This Certificate meets the course and unit requirement for the Master Teacher Permit through the California Commission on Teacher Credentialing. Please note that students must also meet the experience requirement of 350 days of 3+ hours per day within 4 years.

Required Courses:		Units
CD 105	Child Growth and Development	3
or		
CD 105H	Child Growth and Development-Honors	3
CD 111	Observation and Assessment in Child Development	3
CD 113	Principles and Practices of Teaching Young Children	3
CD 114	Introduction to Curriculum	3
CD 115	Health, Safety and Nutrition	3
CD 126	Child, Family, and the Community	3
CD 127	Guidance of Children	3
CD 138	Teaching in a Diverse Society	3
CD 270	Adult Supervision and Mentoring in Early Care and Education	3

**Required Child Development Specialization Courses-
Choose six (6) units from one specialization below:**

Creative Curriculum Specialization:

	Units
CD 130 Creative Music and Movement for Children	3
CD 133 Creative Science and Math Activities for Children	3
CD 134 Language, Listening and Literature for Children	3
CD 136 Creative Art Experiences for Children	3
CD 137 Play and Materials for Children	3

Guidance Specialization:

	Units
CD 100 Introduction to Child Development	3
CD 127 Guidance of Children	3

Infant/Toddler Specialization:

	Units
CD 185 Infant/Toddler Growth and Development	3
CD 186 Infant and Toddler Curriculum	3

School-Age Specialization:

	Units
CD 060 Understanding School-Age Children	3
CD 061 Activities for School-Age Children	3

Special Needs Specialization:

	Units
CD 244 Children with Special Needs	3
CD 245 Early Intervention and Inclusion	3

Experience Working with Children:

Choose one (1) course

	Units
CD 205 Child Development Practicum / Field Experience	4
CD 210 Infant and Toddler Practicum	4

General Education Requirements: Students must take one course in each of the four general education categories below to meet requirements for the Master Teacher Permit (16 units minimum)

Arts and Humanities:

	Units
ASL 109 American Sign Language I	4
ART 103 Art Appreciation	3
MUS 100 Music Appreciation	3
SPAN 101 College Spanish I	5

or

SPAN 101H College Spanish I - Honors	5
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English Language Communication:

	Units
ENGL 101 Freshman Composition	4

or

ENGL 101H Freshman Composition-Honors	4
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Natural Science or Mathematics:

	Units
BIOL 100 General Biology	4
MATH 095 Intermediate Algebra	4

or

MATH 096 Elementary and Intermediate Algebra	5
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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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Social and Behavioral Sciences:

	Units
PSYCH 100 General Psychology	3

or

PSYCH 100H General Psychology - Honors	3
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SOC 100 Introduction to Sociology	3
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	or	
SOC 100H	Introduction to Sociology - Honors	3
SOC 130	Family Sociology	3

Total Units **51 - 54**

This is a Gainful Employment Program

Rationale: CTE and Content Review.
Effective: Fall 2020

CERTIFICATE MODIFICATION

CHILD DEVELOPMENT - SCHOOL AGE CERTIFICATE OF ACHIEVEMENT

The School-Age Certificate is designed to be the first step toward entry level employment specializing in the care of children from 6-12 years. It prepares students for working in before and after-school programs or childcare facilities that serve older children.

This Certificate meets the course and unit requirements for the Child Development Associate Teacher Permit with a School-Age Emphasis and the Child Development Associate Teacher Permit through the California Commission on Teacher Credentialing. Applications can be obtained through the California Commission on Teacher Credentialing Office. More days of experience are needed to meet the 50 days of experience requirement for the CD Associate Teacher Permit. Child Development Work Experience, CD 098, may be taken to help meet the 50 day requirement.

Required Courses:	Units
CD 060 Understanding School-Age Children	3
CD 061 Activities for School-Age Children	3
CD 105 Child Growth and Development	3
or	
CD 105H Child Growth and Development-Honors	3
CD 113 Principles and Practices of Teaching Young Children	3
CD 114 Introduction to Curriculum	3
CD 126 Child, Family, and the Community	3
CD 127 Guidance of Children	3
CD 138 Teaching in a Diverse Society	3
Experience observing and interacting with children age 6-12 years:	Units
CD 111 Observation and Assessment in Child Development	3
Recommended course to meet the 50 day requirement for the Associate Teacher Permit:	Units
CD 098 Child Development Work Experience	1 - 4

Total Units **27**

This is a Gainful Employment Program

Rationale: CTE and Content Review. Update PLOs.
Effective: Fall 2020

CERTIFICATE MODIFICATION

CHILD DEVELOPMENT - SITE SUPERVISOR CERTIFICATE OF ACHIEVEMENT

The Site Supervisor Certificate is designed to prepare students with the knowledge and skills necessary to be qualified as a preschool or childcare center site supervisor.

Students completing a Site Supervisor Certificate meet the academic requirements for the CD Site Supervisor Permit. Please note that the field experience requirement for the Site Supervisor Permit requires 350 days of 3+ hours per day within four years including at least 100 days of supervising adults. With this Certificate, and CD Permit, students qualify to be Child Development Center Directors in private Title 22 Programs as long as they also have two years of teaching experience in a licensed center.

Required Courses:

		Units
CD 105	Child Growth and Development	3
	or	
CD 105H	Child Growth and Development-Honors	3
CD 111	Observation and Assessment in Child Development	3
CD 113	Principles and Practices of Teaching Young Children	3
CD 114	Introduction to Curriculum	3
CD 115	Health, Safety and Nutrition	3
CD 126	Child, Family, and the Community	3
CD 138	Teaching in a Diverse Society	3
CD 270	Adult Supervision and Mentoring in Early Care and Education	3
CD 271	Administration I: Programs in Early Childhood Education	3
CD 272	Administration II: Personnel and Leadership in Early Childhood Education	3

Choose two (2) courses from the following list:

		Units
CD 130	Creative Music and Movement for Children	3
CD 133	Creative Science and Math Activities for Children	3
CD 134	Language, Listening and Literature for Children	3
CD 136	Creative Art Experiences for Children	3

Choose one (1) course from the following list:

		Units
CD 060	Understanding School-Age Children	3
CD 061	Activities for School-Age Children	3
CD 100	Introduction to Child Development	3
CD 127	Guidance of Children	3
CD 185	Infant/Toddler Growth and Development	3
CD 186	Infant and Toddler Curriculum	3
CD 244	Children with Special Needs	3

Experience working with children - Choose one (1) course from the following list:

		Units
CD 205	Child Development Practicum / Field Experience	4
CD 210	Infant and Toddler Practicum	4

General Education Requirements: Students must take one course in each of the four general education categories below to meet requirements for the Site Supervisor Permit (16 units minimum)

Arts and Humanities:

		Units
ASL 109	American Sign Language I	4
ART 103	Art Appreciation	3
MUS 100	Music Appreciation	3
SPAN 101	College Spanish I	5
	or	
SPAN 101H	College Spanish I - Honors	5

English Language Communication:	Units
ENGL 101 Freshman Composition	4
or	
ENGL 101H Freshman Composition-Honors	4
Natural Science or Mathematics:	Units
BIOL 100 General Biology	4
MATH 095 Intermediate Algebra	4
or	
MATH 096 Elementary and Intermediate Algebra	5
MATH 108 Introduction to Probability and Statistics	4
or	
PSYCH 105 Statistics for the Behavioral Sciences	4
Social and Behavioral Sciences:	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
SOC 130 Family Sociology	3
Total Units	57 - 60
<i>This is a Gainful Employment Program</i>	

Rationale: CTE and Content Review.
Effective: Fall 2020

CERTIFICATE MODIFICATION

CHILD DEVELOPMENT - TEACHER CERTIFICATE OF ACHIEVEMENT

The Teacher Certificate is designed for individuals working with children in a preschool or childcare setting. The certificate focuses on developing age-appropriate curriculum for the classroom and observation/assessment of children. The Teacher Certificate requires 31 CD units which includes 4 units of CD Practicum/ Field Work with young children plus 16 general education units as specified.

This Certificate meets the course and unit requirement for the Teacher Permit through the California Commission on Teacher Credentialing. Please note that students must also meet the experience requirements of 175 days of 3+ hours per day within 4 years.

Required Courses:	Units
CD 105 Child Growth and Development	3
or	
CD 105H Child Growth and Development-Honors	3
CD 111 Observation and Assessment in Child Development	3
CD 113 Principles and Practices of Teaching Young Children	3
CD 114 Introduction to Curriculum	3
CD 115 Health, Safety and Nutrition	3
CD 126 Child, Family, and the Community	3
CD 138 Teaching in a Diverse Society	3
Choose two (2) curriculum courses from the following list:	Units
CD 130 Creative Music and Movement for Children	3
CD 133 Creative Science and Math Activities for Children	3

CD 134	Language, Listening and Literature for Children	3
CD 136	Creative Art Experiences for Children	3
CD 137	Play and Materials for Children	3
Required CD Practicum/Field Work experience with children:		Units
CD 205	Child Development Practicum / Field Experience	4
General Education Requirements: Students must take one course in each of the four general education categories below to meet the requirements for the Teacher Permit. (16 units minimum)		
Arts and Humanities:		Units
ASL 109	American Sign Language I	4
ART 103	Art Appreciation	3
MUS 100	Music Appreciation	3
SPAN 101	College Spanish I	5
or		
SPAN 101H	College Spanish I - Honors	5
English Language Communication:		Units
ENGL 101	Freshman Composition	4
or		
ENGL 101H	Freshman Composition-Honors	4
Natural Science or Mathematics:		Units
BIOL 100	General Biology	4
MATH 095	Intermediate Algebra	4
or		
MATH 096	Elementary and Intermediate Algebra	5
MATH 108	Introduction to Probability and Statistics	4
or		
PSYCH 105	Statistics for the Behavioral Sciences	4
Social and Behavioral Sciences:		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
SOC 130	Family Sociology	3
Additional Recommended Courses:		Units
CD 185	Infant/Toddler Growth and Development	3
CD 244	Children with Special Needs	3
Total Units		45 - 48

This is a Gainful Employment Program

Rationale: CTE and Content Review.
Effective: Fall 2020

CERTIFICATE MODIFICATION

HEAVY/MEDIUM DUTY CLEAN VEHICLE TECHNOLOGY CERTIFICATE OF ACHIEVEMENT

This certificate is designed to provide students with the fundamentals of alternative fuel and electric vehicle technology as it applies to industrial. The curriculum prepares students for entry-level positions in Heavy-Duty Truck and electrical maintenance, field service, and networking, in the field of Hybrid/ Alternative fuel to include electrical power technology.

REQUIRED COURSES:

		Units
AUTO 010	Introduction to Hybrid and Electric Vehicle Technology	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
TECALC 087	Technical Calculations	4
HMDT 042	Zero Emission Heavy Duty Truck	2
HMDT 034	Diesel Alternative Fuels	4
Total Units		22

This is a Gainful Employment Program

Rationale: Content review, adding HMDT 042 to required courses.
Effective: Fall 2020

CERTIFICATE MODIFICATION

PHARMACY TECHNOLOGY CERTIFICATE OF ACHIEVEMENT

This certificate is designed to prepare the student for entry-level employment as a pharmacy technician, assisting pharmacists to provide medication and other healthcare products to patients; receiving and verifying written prescriptions, requests for prescription refills from patients, or electronic prescriptions sent from doctors' offices; retrieving, counting, pouring, weighing, measuring, and sometimes mixing medications; and preparing containers and labels for medications. Technicians may also establish and maintain patient profiles, prepare insurance claim forms, and stock and take inventory of prescription and over-the-counter medications. Students working for certificates must have a basic knowledge of elementary algebra, reading and writing in order to learn and work in the occupations they select.

REQUIRED COURSES:

		Units
Complete the following courses with a grade of C or better:		
PHT 060	Pharmacy Systems I	3
PHT 062	Pharmacology I	3
PHT 064	Pharmacy Calculations	3
PHT 070	Pharmacy Systems II	3
PHT 071	Pharmacology II	3
PHT 072	Pharmacy Clinical Experience	5
PHT 074	Pharmacy Seminar	2

CHOOSE FROM THE FOLLOWING (4-8 UNITS):

		Units
BIOL 155	Introductory Anatomy and Physiology	4
	or	
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

Total Units		26 - 30
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This is a Gainful Employment Program

Rationale: Content review.
Effective: Fall 2020

NEW DEGREE

NUTRITION AND DIETETICS ASSOCIATE OF SCIENCE TRANSFER DEGREE (AS-T)

Nutrition and dietetics is an interdisciplinary science that studies factors that affect our food choices, the chemical and physiological processes involved in processing and delivering the chemical components of those foods to the body. Students will focus their studies in nutritional science including chemistry and physiology as well as institutional nutrition, community nutrition, food production, management of foodservice operations. The courses within this program are designed to provide students with applicable skills useful in a vast range of occupations.

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 Nutrition and Dietetics 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) 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 Nutrition and Dietetics should consult with a counselor regarding the transfer process and lower division requirements.

REQUIRED CORE COURSES (16 Units):

	Units
FN 162 Introduction to Food and Nutrition	3
PSYCH 100 General Psychology	3
or	
PSYCH 100H General Psychology - Honors	3
CHEM 150 General Chemistry I	5
BIOL 270 Microbiology	5
LIST A: SELECT TWO COURSES (8-9 Units)	
CHEM 151 General Chemistry II	5
CHEM 212 Organic Chemistry I	4
BIOL 260 * Human Anatomy	4
or	
BIOL 261 * Human Physiology	4
or	
BIOL 250 * Human Anatomy and Physiology I	4
and	
BIOL 251 Human Anatomy and Physiology II	4
MATH 108 Introduction to Probability and Statistics	4
or	
PSYCH 105 Statistics for the Behavioral Sciences	4
LIST B: SELECT ONE COURSE (3-4 Units)	
CULART 160 Introduction to Foods	3

CHEM 213	Organic Chemistry II	4
MAJOR TOTAL:		27 - 29
CSU GE-Breadth or IGETC for CSU Requirements:		37 - 39
Total units that may be double-counted for CSUGE or IGETC:		7 - 10
CSU Electives (as needed to reach 60 transferable units):		1 - 4
Total Units		60

*Note: Credit will only be awarded for one of the following courses/sequence:
BIOL 260 OR BIOL 261 or BIOL 250 AND BIOL 251

Rationale: New Transfer Degree.
Effective: Fall 2020

DEGREE MODIFICATION

CHILD DEVELOPMENT ASSOCIATE OF ARTS DEGREE

This degree contains the core eight courses needed for transfer and the necessary course work to be a qualified early childhood educator. To graduate with a specialization in Child Development, students must complete the following required courses plus the general breadth requirements for the Associate Degree (minimum 60 semester units).

Students completing the degree will qualify for the unit and course requirements necessary to apply for the California State Child Development Teacher Permit.

Required courses:		Units
CD 105	Child Growth and Development	3
or		
CD 105H	Child Growth and Development-Honors	3
CD 111	Observation and Assessment in Child Development	3
CD 113	Principles and Practices of Teaching Young Children	3
CD 114	Introduction to Curriculum	3
CD 115	Health, Safety and Nutrition	3
CD 126	Child, Family, and the Community	3
CD 138	Teaching in a Diverse Society	3
Choose one (1) course from the following:		Units
CD 100	Introduction to Child Development	3
CD 108	Early Childhood Development	3
CD 127	Guidance of Children	3
CD 130	Creative Music and Movement for Children	3
CD 133	Creative Science and Math Activities for Children	3
CD 134	Language, Listening and Literature for Children	3
CD 136	Creative Art Experiences for Children	3
CD 185	Infant/Toddler Growth and Development	3
CD 186	Infant and Toddler Curriculum	3
CD 244	Children with Special Needs	3
Required course for supervised field experience with children:		Units
CD 205	Child Development Practicum / Field Experience	4
Total Units		28

Rationale: CTE and Content Review. Some course additions to the elective category.
Effective: Fall 2020

DEGREE MODIFICATION

CHILD DEVELOPMENT - EARLY INTERVENTION AND INCLUSION ASSOCIATE OF ARTS DEGREE

This degree prepares individuals to work as early childhood paraprofessionals with expertise in special education and early intervention. The Child Development courses meet the State's competencies for early childhood intervention/early childhood special education paraprofessionals. To graduate with a specialization in Child Development-Early Childhood Intervention and Inclusion, students must complete the following required courses plus the general breadth requirements for the Associate Degree (minimum 60 semester units).

Required Courses:		Units
CD 105	Child Growth and Development	3
or		
CD 105H	Child Growth and Development-Honors	3
CD 111	Observation and Assessment in Child Development	3
CD 126	Child, Family, and the Community	3
CD 127	Guidance of Children	3
CD 185	Infant/Toddler Growth and Development	3
CD 186	Infant and Toddler Curriculum	3
CD 244	Children with Special Needs	3
CD 245	Early Intervention and Inclusion	3
Required Experience Working with Children:		
Choose one (1) course		Units
CD 205	Child Development Practicum / Field Experience	4
or		
CD 210	Infant and Toddler Practicum	4
and		
CD 215	Early Intervention and Inclusion Internship	4
Total Units		32

Rationale: CD and CTE Content Review.
Effective: Fall 2020

DEGREE MODIFICATION

EARLY CHILDHOOD EDUCATION ASSOCIATE OF SCIENCE TRANSFER DEGREE (AS-T)

The Associate in Science in Early Childhood Education for Transfer is designed to provide the lower division major courses to transfer to a California State University and earn a Bachelor's degree in Child Development, Human Development or Early Childhood Education. This program focuses on the theories and developmentally appropriate inclusive practices for educating children from birth to age eight. Study in the major includes coverage of child development and socialization, observation and assessment, curriculum development, culturally and linguistically appropriate teaching, as well as excellent health, safety, and nutrition practices in early care and education. This degree prepares students for teaching in early care and education settings as well as transfer.

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 Early Childhood Education 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 transferrable 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 on transferring to a four-year institution and major in Early Childhood Education should consult with a counselor regarding the transfer process and lower division requirements.

REQUIRED COURSES:

	Units
CD 105 Child Growth and Development	3
or	
CD 105H Child Growth and Development-Honors	3
CD 111 Observation and Assessment in Child Development	3
CD 113 Principles and Practices of Teaching Young Children	3
CD 114 Introduction to Curriculum	3
CD 115 Health, Safety and Nutrition	3
CD 126 Child, Family, and the Community	3
CD 138 Teaching in a Diverse Society	3
CD 205 Child Development Practicum / Field Experience	4
MAJOR TOTAL: 25	25
CSU-GE Breadth or IGETC Requirements:	37 - 39
Total units that may be double-counted for CSUGE or IGETC:	6
CSU Electives (as needed to reach 60 transferable units):	2 - 4
Total Units	60

Rationale: Content Review
Effective: Fall 2020

DEGREE MODIFICATION

PHARMACY TECHNOLOGY ASSOCIATE OF SCIENCE DEGREE

To earn an Associate Degree with a specialization in Pharmacy Technology, students must complete the required courses plus the general breadth requirements (minimum total = 60 units).

REQUIRED COURSES:

	Units
Complete the following courses with a grade of C or higher:	
PHT 060 Pharmacy Systems I	3
PHT 062 Pharmacology I	3
PHT 064 Pharmacy Calculations	3
PHT 070 Pharmacy Systems II	3
PHT 071 Pharmacology II	3
PHT 072 Pharmacy Clinical Experience	5
PHT 074 Pharmacy Seminar	2

CHOOSE FROM THE FOLLOWING (4-8 UNITS):

	Units
BIOL 155 Introductory Anatomy and Physiology	4
or	
BIOL 250 Human Anatomy and Physiology I	4
and	
BIOL 251 Human Anatomy and Physiology II	4
or	

BIOL 260	Human Anatomy and	4
BIOL 261	Human Physiology	4
Total Units		26 - 30

Rationale: Content Review
Effective: Fall 2020

CORRECTIONS

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

COURSE CORRECTION

2020-2021 College Catalog

Course ID: FTVM 234
Course Title: Intermediate Video Production
Units: 3
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
Rationale: Updating hours to align with State Chancellor's Office guidelines.
Previous Board Approval: March 11, 2019
Effective: Fall 2020