

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 *DA*
DATE: January 9, 2020
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 2020-2021 or 2021-2022 College Catalog.

INSTITUTIONAL VALUES

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

FINANCIAL IMPLICATIONS

None.

SAN BERNARDINO VALLEY COLLEGE
SUBMITTED FOR BOARD OF TRUSTEE APPROVAL
January 9, 2020

CONTENT REVIEW

No Changes to the College Catalog

AUTO 051	AUTO 052	AUTO 053	AUTO 076
AUTO 077	AUTO 090	CULART 010	CULART 011
CULART 040	CULART 041	CULART 042	CULART 043
CULART 044	CULART 160	CULART 161	CULART 201
CULART 205	WST 075		

Rationale: Content Review
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: HMDT 638
Course Title: Heavy-Duty Diesel Emissions
Hours: 32-36
Lecture: 0.5 contact hour(s) per week
8 - 9 contact hours per semester
Laboratory: 1.5 contact hour(s) per week
24 - 27 contact hours per semester
Catalog Description: This is an advanced noncredit course in heavy-duty diesel emissions with emphasis on exhaust after treatment and related equipment.
Schedule Description: This is an advanced noncredit course in heavy-duty diesel emissions with emphasis on exhaust after treatment and related equipment.
TOP Code: 0947.00
Equate: Course not offered at CHC.
Rationale: Noncredit HMDT course.
Effective: Fall 2020

NEW COURSE

Addition to the 2021-2022 College Catalog

Course ID: HIST 107H
Course Title: Native American History - Honors
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: ENGL 101 or ENGL 101H
Catalog Description: This course is a history of Native Americans in the region of the current day United States from the time preceding European colonialism to the present. **This course is intended for students in the Honors Program, but is open to all students who desire more challenging work.**
Schedule Description: This course is a history of Native Americans in the region of the current day United States from the time preceding European colonialism to the present. **This course is intended for students in the Honors Program, but is open to all students who desire more challenging work.**
TOP Code: 2205.00

Equate: Course not offered at CHC.
Rationale: New honors course to existing HIST 107 course.
Effective: Fall 2021

NEW COURSE

Addition to the 2021-2022 College Catalog

Course ID: HIST 140H
Course Title: Chicano History - Honors
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: ENGL 101 or ENGL 101H
Catalog Description: This course provides a survey of United States history from the Chicano perspective, with an emphasis on the 1840s to the 21st century. **This course is intended for students working in the Honors Program, but is open to all students who desire more challenging work.**
Schedule Description: This course provides a survey of United States history from the Chicano perspective, with an emphasis on the 1840s to the 21st century. **This course is intended for students working in the Honors Program, but is open to all students who desire more challenging work.**
TOP Code: 2205.00
Equate: Course not offered at CHC.
Rationale: New honors course to existing HIST 140 course.
Effective: Fall 2021

NEW COURSE

Addition to the 2021-2022 College Catalog

Course ID: HIST 145H
Course Title: History of California - Honors
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: ENGL 101 or ENGL 101H
Catalog Description: This course surveys the rich heritage of California from its earliest inhabitants and Spanish/Mexican settlements to the present. An emphasis will be placed on the impact of the ethnic and cultural diversity of California along with the importance of geography and immigration. Other topics will include political, economic, and social development of the region from the early 19th century to the present. **This course is intended for students in the Honors Program, but is open to all students who desire more challenging work.**
Schedule Description: This course surveys the rich heritage of California from its earliest inhabitants and Spanish/Mexican settlements to the present. An emphasis will be placed on the impact of the ethnic and cultural diversity of California along with the importance of geography and immigration. Other topics will include political, economic, and social development of the region from the early 19th century to the present. **This course is intended for students in the Honors Program, but is open to all students who desire more challenging work.**
TOP Code: 2205.00
Equate: Course not offered at CHC.
Rationale: New honors course to existing HIST 145 course.

Effective: Fall 2021

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: WST 037
Course Title: Environmental Laws and Regulations
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: WST 031 or WST 071 or WST 036 or WST 091
Corequisite: WST 036
Catalog Description: This course is designed to provide a comprehensive overview of federal, state, and local laws and regulations relating to environmental protection and pollution prevention. The course explores the roles of politics, economics, science, and health, in setting regulatory policies that are designed to safeguard and protect water resources. As a part of this course environmental monitoring standards, regulatory agencies, inter-agency relationships and jurisdictions are explored.
Schedule Description: This course provides an overview of federal, state, and local laws pertaining to environmental protection and pollution prevention relating to water quality, air quality and solid waste. As a part of this course. environmental monitoring standards, regulatory agencies, inter-agency relationships and jurisdictions are explored.
TOP Code: 0958.00
Equate: Course not offered at CHC.
Rationale: This course provides students with an overview on the policy-making process that comprise the dynamic framework for environmental protection laws and pollution prevention. This course also reviews water related acts and regulations with a focus on applying these laws to common water related industry activities.
Effective: Fall 2020

NEW COURSE

Addition to the 2020-2021 College Catalog

Course ID: WST 086
Course Title: Electrical Instrumentation for Water and Wastewater Operations
Units: 3
Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester
Outside of Class Hours: 6 hour(s) per week
Departmental Advisory: WST 061 and WST 071 and WST 091
Catalog Description: This is an introductory course in electrical instrumentation. The focus of this course will be on how electrical instrumentation is used in the water/wastewater industry. The course will cover basic electronic, electrical, and control systems used for pressure, temperature, level, and flow measurements needed for process control. Electrical safety, process and instrumentation diagrams, and other instrumentation for automation and process control will be discussed.
Schedule Description: This is an introductory course in electrical instrumentation. The focus of this course will be on how electrical instrumentation is used in the water/wastewater industry.
TOP Code: 0958.00
Equate: Course not offered at CHC.

Rationale: This introductory course is designed to provide a basic understanding of electrical instrumentation to a student that is new to the field.
Effective: Fall 2020

COURSE MODIFICATION

Changes to the 2018-2019 College Catalog

COURSE ID	COURSE TITLE
ART 103	ART APPRECIATION

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: ART 103 at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 124A	BEGINNING DRAWING

Departmental Advisory: ENGL 101 or ENGL 101H
Catalog Description: The course is a progressive study of form, space, and concept employing a wide range of subject matter and traditional drawing media. Instruction focuses on perceptually based drawing, observational abilities and creative responses to traditional drawing materials and subject matter. Topics include the theory and analysis of perspective in two- and three-dimensional composition such as the various means of representing three-dimensional forms in space through aerial and linear perspective.

Schedule Description: The course is a progressive study of form, space, and concept employing a wide range of subject matter and traditional drawing media. Instruction focuses on perceptually based drawing, observational abilities and creative responses to traditional drawing materials and subject matter. Topics include the theory and analysis of perspective in two- and three-dimensional composition such as the various means of representing three-dimensional forms in space through aerial and linear perspective.

Equate: ART 124 at CHC.
Rationale: Updating Departmental Advisory, SLOs, and removing formerly note from course descriptions.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 124B	INTERMEDIATE DRAWING

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: ART 125 at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 124C	ADVANCED DRAWING

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 126A	BEGINNING PAINTING

Departmental Advisory: ENGL 101 or ENGL 101H
Catalog Description: The course is a progressive study of the fundamentals of painting and painting materials including techniques of composition, color theory, brushwork, and technique, as well as creative responses to materials and subject matter. Topics include the appropriate use of traditional color theory with artistic brush application on prepared surfaces.
Schedule Description: The course is a progressive study of the fundamentals of painting and painting materials including techniques of composition, color theory, brushwork, and technique, as well as creative responses to materials and subject matter. Topics include the appropriate use of traditional color theory with artistic brush application on prepared surfaces.
Equate: ART 126 at CHC.
Rationale: Updating Departmental Advisory, SLOs, and removing formerly note from course descriptions.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 126B	INTERMEDIATE PAINTING

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: ART 226 at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 126C	ADVANCED PAINTING

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 132A	BEGINNING LIFE DRAWING

Departmental Advisory: ENGL 101 or ENGL 101H
Catalog Description: The course is an introduction to drawing the human figure and anatomy from observation using a wide variety of drawing media and techniques. Topics include an introduction to human anatomy, contour, proportions, gesture, and the historical and contemporary roles of figure drawing in the visual arts. Students in this course will learn both descriptive and interpretive approaches to drawing the figure. Drawings are based on a live nude model.

Schedule Description: The course is an introduction to drawing the human figure and anatomy from observation using a wide variety of drawing media and techniques. Topics include an introduction to human anatomy, contour, proportions, gesture, and the historical and contemporary roles of figure drawing in the visual arts. Students in this course will learn both descriptive and interpretive approaches to drawing the figure. Drawings are based on a live nude model.

Equate: ART 132 at CHC.
Rationale: Updating Departmental Advisory, SLOs, and removing formerly note from course descriptions.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 132B	INTERMEDIATE LIFE DRAWING

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: ART 232 at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 132C	ADVANCED LIFE DRAWING

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 175A	BEGINNING SCULPTURE

Departmental Advisory: ENGL 101 or ENGL 101H
Catalog Description: This course is an introduction to three-dimensional sculptural principles, techniques, and concepts utilizing a wide range of materials and practices. Various sculpture methods are practiced with attention to creative self-expression and historical context.

Schedule Description: This course is an introduction to three-dimensional sculptural principles, techniques, and concepts utilizing a wide range of materials and practices. Various sculpture methods are practiced with attention to creative self-expression and historical context.

Equate: ART 175 at CHC.

Rationale: Updating Departmental Advisory, SLOs, and removing formerly note from course descriptions.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 175B	INTERMEDIATE SCULPTURE

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: ART 275 at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 175C	ADVANCED SCULPTURE

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 212A	BEGINNING CERAMICS

Departmental Advisory: ENGL 101 or ENGL 101H
Catalog Description: This course is an introduction to ceramics materials, concepts, and processes including basic design principles, creative development, hand-building, throwing, glaze techniques, firing and ceramic terminology. The course covers aesthetics and creative development of clay objects examining historical, contemporary, and personal modes of expression across cultures.
Schedule Description: This course is an introduction to ceramics materials, concepts, and processes including basic design principles, creative development, hand-building, throwing, glaze techniques, firing and ceramic terminology. The course covers aesthetics and creative development of clay objects examining historical, contemporary, and personal modes of expression across cultures.
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory, SLOs, and removing formerly note from course descriptions.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 212B	INTERMEDIATE CERAMICS

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 212C	INTERMEDIATE/ADVANCED CERAMICS

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 212D	ADVANCED CERAMICS

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 240A	BEGINNING GLASSBLOWING

Departmental Advisory: ENGL 101 or ENGL 101H
Catalog Description: This course is a beginning study of glass working techniques, including designing and producing vessel and sculptural forms in hot glass. Emphasis is on exploration of color, hot applications, teamwork, repeatable forms, sandblasting, cold working/fabrications, and non-conventional methods.
Schedule Description: This course is a beginning study of glass working techniques, including designing and producing vessel and sculptural forms in hot glass. Emphasis is on exploration of color, repeatable forms, sandblasting, and non-conventional methods.
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory, SLOs, and removing formerly note from course descriptions.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 240B	INTERMEDIATE GLASSBLOWING

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 240C	INTERMEDIATE/ADVANCED GLASSBLOWING

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 240D	ADVANCED GLASSBLOWING

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 270A	BEGINNING DESIGN IN GLASS

Departmental Advisory: ENGL 101 or ENGL 101H
Catalog Description: This course is a study of beginning glass-working techniques. Topics include producing functional, decorative, and sculptural forms in kiln-fired glass; composition in two dimensions using fusion/lamination of colored glass elements; and lampworked beads.
Schedule Description: This course is a study of beginning glass-working techniques. Topics include kiln-fired glass, stain glass, three dimensional glass casting and basic glass bead making.
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory, SLOs, and removing formerly note from course descriptions.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 270B	INTERMEDIATE DESIGN IN GLASS

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 270C	INTERMEDIATE/ADVANCED DESIGN IN GLASS

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
ART 270D	ADVANCED DESIGN IN GLASS

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2020

COURSE ID	COURSE TITLE
AUTO 050	AUTOMOTIVE BRAKES

Catalog Description: This course is based on National Automotive Technicians Education Foundation (NATEF) standards and is designed for students and current technicians to gain knowledge and skills in automotive brake (standard and antilock) systems. Topics include, but are not limited to, disc, drum, hydraulics, power boosters, and traction control with emphasis on diagnosing, troubleshooting, repairing, replacing, and adjusting. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test A-5.

Equate: Course not offered at CHC.

Rationale: Updating catalog description and SLOs.

Effective: Fall 2020

COURSE ID	COURSE TITLE
AUTO 084	GENERAL AUTOMOTIVE TECHNOLOGY

Catalog Description: This course covers general theory, principles, and service procedures relating to an introduction to automotive systems and maintenance with emphasis on component identification, basic functions, minor maintenance, and service.

Schedule Description: This course covers general theory, principles, and service procedures relating to an introduction to automotive systems and maintenance with emphasis on component identification, basic functions, minor maintenance, and service.

Equate: Course not offered at CHC.

Rationale: Updating course descriptions and SLOs.

Effective: Fall 2020

COURSE ID	COURSE TITLE
DIESEL 021	HEAVY-DUTY DIESEL ENGINES

Course ID: HMDT 021

Course Title: Heavy-Duty Truck Engines

Catalog Description: This course covers theory and practical shop work in the repair, operation, and maintenance of heavy-duty industrial truck engines and fuel injection systems including general troubleshooting and diagnostic testing. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test. (Formerly DIESEL 021)

Schedule Description: This course covers theory and practical shop work in the repair, operation, and maintenance of heavy-duty and medium-duty truck engines and fuel injection systems. (Formerly DIESEL 021)

Equate: Course not offered at CHC.

Rationale: Updating department from DIESEL to HMDT.

Effective: Fall 2020

COURSE ID	COURSE TITLE
DIESEL 022	HEAVY-DUTY TRUCK BRAKES

Course ID:	HMDT 022
Catalog Description:	This course covers theory and practical shop work in the construction, operation, and repair of heavy-duty truck brake systems and components including principles of hydraulic and pneumatic brake systems, anti-lock, and computer controlled braking systems used in today's modern heavy-duty trucks and busses. (Formerly DIESEL 022)
Schedule Description:	This course covers theory and practical shop work in the construction, operation, and repair of heavy-duty truck brake systems and components including principles of hydraulic and pneumatic brake systems, anti-lock, and computer controlled braking systems used in today's modern heavy-duty trucks and busses. (Formerly DIESEL 022)
Equate:	Course not offered at CHC.
Rationale:	Updating department from DIESEL to HMDT.
Effective:	Fall 2020

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

Course ID:	HMDT 023
Catalog Description:	This course covers theory and practical shop work in the construction, operation, and repair of heavy-duty truck suspension and steering components including principles of hydraulic and pneumatic steering and suspension systems. (Formerly DIESEL 023)
Schedule Description:	This course covers theory and practical shop work in the construction, operation, and repair of heavy-duty truck suspension and steering components including principles of hydraulic and pneumatic steering and suspension systems. (Formerly DIESEL 023)
Equate:	Course not offered at CHC.
Rationale:	Updating department from DIESEL to HMDT.
Effective:	Fall 2020

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

Course ID:	HMDT 024
Course Title:	Advanced Heavy-Duty Truck Engines
Prerequisite:	HMDT 021
Catalog Description:	This course is an advanced engine rebuilds class that covers theory and practical shop work in the repair, operation, and maintenance of various heavy-duty truck engines. Topics include general troubleshooting and diagnostic testing of engine components and systems found in most engines from a variety of engine manufacturers. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test. (Formerly DIESEL 024)
Schedule Description:	This course is an advanced engine rebuilds class that covers theory and practical shop work in the repair, operation, and maintenance of various heavy-duty diesel engines. (Formerly DIESEL 024)
Equate:	Course not offered at CHC.
Rationale:	Updating department from DIESEL to HMDT.

Effective: Fall 2020

COURSE ID	COURSE TITLE
DIESEL 026	COMPUTER CONTROLLED DIESEL ENGINES

Course ID: HMDT 026
Course Title: Computer Controlled Truck Engines
Prerequisite: HMDT 064 or AUTO 064
Catalog Description: This course covers theory and practical shop work in the repair, operation, and maintenance of computer controlled truck engines. Topics include general troubleshooting and diagnostics using assorted electronic and computerized test equipment on operable computer controlled diesel engines. (Formerly DIESEL 026)
Schedule Description: This course covers theory and practical shop work in the repair, operation, and maintenance of computer controlled diesel engines. (Formerly DIESEL 026)
Equate: Course not offered at CHC.
Rationale: Updating department from DIESEL to HMDT.
Effective: Fall 2020

COURSE ID	COURSE TITLE
DIESEL 028	HEAVY-DUTY TRUCK SYSTEMS

Prerequisite: HMDT 064 or AUTO 064
Catalog Description: This course covers theory and practical shop work in maintenance, air conditioning, Antilock Brake System (ABS), computers, and operations of the heavy-duty truck and bus systems. Course is designed to provide students the needed skills and knowledge to perform advanced level labor tasks in the heavy-duty truck and bus service industry. (Formerly DIESEL 028)
Schedule Description: This course covers theory and practical shop work in maintenance, air conditioning, Antilock Brake System (ABS), computers, and operations of the heavy-duty truck and bus systems. (Formerly DIESEL 028)
Equate: Course not offered at CHC.
Rationale: Updating department from DIESEL to HMDT.
Effective: Fall 2020

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

Course ID: HMDT 035
Catalog Description: This course provides theory and hands-on experience with heavy- and medium-duty automatic transmission operation, construction, service and overhaul procedures. (Formerly DIESEL 035)
Schedule Description: This course provides theory and hands-on experience with heavy- and medium-duty transmission operation, construction, service and overhaul procedures. (Formerly DIESEL 035)
Equate: Course not offered at CHC.
Rationale: Updating department from DIESEL to HMDT.
Effective: Fall 2020

COURSE ID	COURSE TITLE
DIESEL 064	AUTO/TRUCK ELECTRICAL SYSTEMS

Course ID: HMDT 064
Catalog Description: This course covers basic electrical theory, use of meters, test equipment, wiring diagrams, diagnosis and repair/replacement of major electrical components of automobiles and trucks. Emphasis is placed on diagnosis of starting systems, charging systems, and electrical circuits such as lights and batteries. (Formerly DIESEL 064)
Schedule Description: This course covers basic electrical theory, use of meters, test equipment, wiring diagrams, diagnosis and repair/replacement of major electrical components of automobiles and trucks. (Formerly DIESEL 064)
Equate: Course not offered at CHC.
Rationale: Updating department from DIESEL to HMDT.
Effective: Fall 2020

COURSE ID	COURSE TITLE
DIESEL 098	DIESEL WORK EXPERIENCE

Course ID: HMDT 098
Course Title: Heavy/Medium Duty Truck Work Experience
Catalog Description: Supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 courses. See department for specific guidelines. (Formerly DIESEL 098)
Schedule Description: Supervised training, in the form of on the job employment that will enhance the student's knowledge in the selected field of study. The student's major and job must match. For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 courses. See department for specific guidelines. (Formerly DIESEL 098)
Equate: Course not offered at CHC.
Rationale: Updating department from DIESEL to HMDT.
Effective: Fall 2020

COURSE ID	COURSE TITLE
DIESEL 621	HEAVY-DUTY DIESEL ENGINES

Course ID: HMDT 621
Course Title: Heavy-Duty Truck Engines
Catalog Description: This noncredit course covers theory and practical shop work in the repair, operation, and maintenance of heavy-duty industrial truck engines and fuel injection systems including general troubleshooting and diagnostic testing. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test. (Formerly DIESEL 621)
Schedule Description: This noncredit course covers theory and practical shop work in the repair, operation, and maintenance of heavy-duty industrial diesel engines and fuel injection systems. (Formerly DIESEL 621)
Equate: Course not offered at CHC.
Rationale: Updating department from DIESEL to HMDT.
Effective: Fall 2020

COURSE ID	COURSE TITLE
DIESEL 622	HEAVY-DUTY TRUCK BRAKES

Course ID:	HMDT 622
Catalog Description:	This noncredit course covers theory and practical shop work in the construction, operation, and repair of heavy-duty truck brake systems and components including principles of hydraulic and pneumatic brake systems, anti-lock, and computer controlled braking systems used in today's modern heavy-duty diesel trucks and busses. (Formerly DIESEL 622)
Schedule Description:	This noncredit course covers theory and practical shop work in the construction, operation, and repair of heavy-duty truck brake systems and components including principles of hydraulic and pneumatic brake systems, anti-lock, and computer controlled braking systems used in today's modern heavy-duty diesel trucks and busses. (Formerly DIESEL 622)
Equate:	Course not offered at CHC.
Rationale:	Updating department from DIESEL to HMDT.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
DIESEL 623	HEAVY-DUTY TRUCK SUSPENSION AND STEERING

Course ID:	HMDT 623
Catalog Description:	This noncredit course covers theory and practical shop work in the construction, operation, and repair of heavy-duty truck suspension and steering components including principles of hydraulic and pneumatic steering and suspension systems. (Formerly DIESEL 623)
Schedule Description:	This noncredit course covers theory and practical shop work in the construction, operation, and repair of heavy-duty truck suspension and steering components including principles of hydraulic and pneumatic steering and suspension systems. (Formerly DIESEL 623)
Equate:	Course not offered at CHC.
Rationale:	Updating department from DIESEL to HMDT.
Effective:	Fall 2020

COURSE ID	COURSE TITLE
DIESEL 624	ADVANCED HEAVY-DUTY DIESEL ENGINES

Course ID:	HMDT 624
Course Title:	Advanced Heavy-Duty Truck Engines
Prerequisite:	HMDT 621
Catalog Description:	This noncredit course is an advanced engine rebuilds class that covers theory and practical shop work in the repair, operation, and maintenance of various heavy-duty truck engines. Topics include general troubleshooting and diagnostic testing of engine components and systems found in most engines from a variety of engine manufacturers. This course may be used in preparation for the Automotive Service Excellence (ASE) National Test. (Formerly DIESEL 624)
Schedule Description:	This noncredit course is an advanced engine rebuilds class that covers theory and practical shop work in the repair, operation, and maintenance of various heavy-duty diesel engines. (Formerly DIESEL 624)
Equate:	Course not offered at CHC.
Rationale:	Updating department from DIESEL to HMDT.

Effective: Fall 2020

COURSE ID	COURSE TITLE
DIESEL 626	COMPUTER CONTROLLED DIESEL ENGINES

Course ID: HMDT 626
Course Title: Computer Controlled Truck Engines
Hours: 64-72
Lecture: 2 contact hour(s) per week
32 - 36 contact hours per semester
Laboratory: 6 contact hour(s) per week
96 - 108 contact hours per semester
Prerequisite: HMDT 664
Catalog Description: This noncredit course covers theory and practical shop work in the repair, operation, and maintenance of computer controlled truck engines. Topics include general troubleshooting and diagnostics using assorted electronic and computerized test equipment on operable computer controlled diesel engines. (Formerly DIESEL 626)
Schedule Description: This noncredit course covers theory and practical shop work in the repair, operation, and maintenance of computer controlled diesel engines. (Formerly DIESEL 626)
Equate: Course not offered at CHC.
Rationale: Updating department from DIESEL to HMDT.
Effective: Fall 2020

COURSE ID	COURSE TITLE
DIESEL 628	HEAVY-DUTY TRUCK SYSTEMS

Course ID: HMDT 628
Prerequisite: HMDT 664
Catalog Description: This noncredit course covers theory and practical shop work in maintenance, air conditioning, Antilock Brake System (ABS), computers, and operations of the heavy-duty truck and bus systems. Course is designed to provide students the needed skills and knowledge to perform advanced level labor tasks in the heavy-duty truck and bus service industry. (Formerly DIESEL 628)
Schedule Description: This noncredit course covers theory and practical shop work in maintenance, air conditioning, Antilock Brake System (ABS), computers, and operations of the heavy-duty truck and bus systems. (Formerly DIESEL 628)
Equate: Course not offered at CHC.
Rationale: Updating department from DIESEL to HMDT.
Effective: Fall 2020

COURSE ID	COURSE TITLE
DIESEL 634	DIESEL ALTERNATIVE FUELS

Course ID: HMDT 634
Course Title: Heavy/Medium Duty Truck Alternative Fuels
Catalog Description: This noncredit 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 634)
Schedule Description: This noncredit 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 634)
Equate: Course not offered at CHC.
Rationale: Updating department from DIESEL to HMDT.
Effective: Fall 2020

COURSE ID	COURSE TITLE
DIESEL 635	HEAVY-DUTY VEHICLE AUTOMATIC TRANSMISSIONS

Course ID: HMDT 635
Catalog Description: This noncredit course provides theory and hands-on experience with heavy - and medium - duty automatic transmission operation, construction, service and overhaul procedures. (Formerly DIESEL 635)
Schedule Description: This noncredit course provides theory and hands-on experience with heavy - and medium - duty transmission operation, construction, service and overhaul procedures. (Formerly DIESEL 635)
Equate: Course not offered at CHC.
Rationale: Updating department from DIESEL to HMDT.
Effective: Fall 2020

COURSE ID	COURSE TITLE
DIESEL 664	AUTO/TRUCK ELECTRICAL SYSTEMS

Catalog Description: This noncredit course covers basic electrical theory, use of meters, test equipment, wiring diagrams, diagnosis and repair/replacement of major electrical components of automobiles and trucks. Emphasis is placed on diagnosis of starting systems, charging systems, and electrical circuits such as lights and batteries. (Formerly DIESEL 664)
Schedule Description: This noncredit course covers basic electrical theory, use of meters, test equipment, wiring diagrams, diagnosis and repair/replacement of major electrical components of automobiles and trucks. (Formerly DIESEL 664)
Equate: Course not offered at CHC.
Rationale: Updating department from DIESEL to HMDT.
Effective: Fall 2020

COURSE ID	COURSE TITLE
HIST 100	UNITED STATES HISTORY TO 1877

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: HIST 100 at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2021

COURSE ID	COURSE TITLE
HIST 100H	UNITED STATES HISTORY TO 1877 - HONORS

Prerequisite: ENGL 101 or ENGL 101H
Equate: HIST 100H at CHC.
Rationale: Updating Prerequisite and SLOs.
Effective: Fall 2021

COURSE ID	COURSE TITLE
HIST 101	UNITED STATES HISTORY: 1865 TO PRESENT

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: HIST 101 at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2021

COURSE ID	COURSE TITLE
HIST 101H	UNITED STATES HISTORY: 1865 TO PRESENT - HONORS

Prerequisite: ENGL 101 or ENGL 101H
Equate: HIST 101H at CHC.
Rationale: Updating Prerequisite and SLOs.
Effective: Fall 2021

COURSE ID	COURSE TITLE
HIST 107	THE UNITED STATES AND THE NORTH AMERICAN INDIANS

Course Title: Native American History
Departmental Advisory: ENGL 101 or ENGL 101H
Equate: HIST 107 and ANTHRO 107 at CHC.
Rationale: Updating Departmental Advisory, SLOs, and title.
Effective: Fall 2021

COURSE ID	COURSE TITLE
HIST 137	RACIAL AND ETHNIC GROUPS IN UNITED STATES HISTORY

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2021

COURSE ID	COURSE TITLE
HIST 138	AFRICAN-AMERICAN HISTORY TO 1877

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2021

COURSE ID	COURSE TITLE
HIST 139	AFRICAN-AMERICAN HISTORY 1877 TO PRESENT

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2021

COURSE ID	COURSE TITLE
HIST 140	CHICANO HISTORY

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2021

COURSE ID	COURSE TITLE
HIST 145	HISTORY OF CALIFORNIA

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: HIST 145 at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2021

COURSE ID	COURSE TITLE
HIST 150	INTRODUCTION TO LATIN AMERICAN HISTORY

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: HIST 150 at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2021

COURSE ID	COURSE TITLE
HIST 170	WORLD HISTORY TO 1500

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: HIST 170 at CHC.
Rationale: Updating Departmental Advisory and SLOs. Updating to align with C-ID.
Effective: Fall 2021

COURSE ID	COURSE TITLE
HIST 171	WORLD HISTORY SINCE 1500

Departmental Advisory: ENGL 101 or ENGL 101H
Equate: HIST 171 at CHC.
Rationale: Updating Departmental Advisory and SLOs.
Effective: Fall 2021

COURSE ID	COURSE TITLE
HIST 176	COMPARATIVE HISTORY OF GENOCIDE AND WAR CRIMES

Prerequisite: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Updating prerequisite and SLOs.
Effective: Fall 2021

COURSE ID	COURSE TITLE
WST 036	WATER UTILITY MANAGEMENT

Prerequisite: WST 092 or WST 062 or WST 072 or WST 082
Corequisite: WST 092 or WST 062 or WST 072 or WST 082
Departmental Advisory: ENGL 101 or ENGL 101H
Equate: Course not offered at CHC.
Rationale: Content review and updating requisites and advisories.
Effective: Fall 2020

COURSE DELETION

CHEM 222 CHEM 223 FN 067

Rationale: Courses are no longer offered.
Effective: Fall 2020

DISTANCE EDUCATION

ART 103	HIST 100*	HIST 101*	HIST 107*
HIST 107H*	HIST 137*	HIST 138*	HIST 139*
HIST 140*	HIST 140H*	HIST 145*	HIST 145H*
HIST 150*	HIST 170*	HIST 171*	HIST 176*
WST 036	WST 037	WST 075	WST 086

Rationale: **100% ONLINE**

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

Effective: Fall 2020 or *Fall 2021

CERTIFICATE MODIFICATION

FOOD SERVICE CERTIFICATE

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

REQUIRED COURSES:		Units
BUSAD 100	Introduction to Business	3
CULART 101	Introduction to Hospitality and Customer Service	3
CULART 160	Introduction to Foods	3
CULART 161	Quantity Food Preparation	3
CULART 201	Management of Human Resources in Hospitality	3
CULART 225	Sanitation and Safety	3
CULART 240	Procurement, Purchasing and Selection	3
CULART 250	Food, Wine and Beverage Service Concepts	3
CULART 275	Food, Beverage and Labor Cost Control	3
Total Units		27

This is a Gainful Employment Program

Rationale: Increasing units to CULART 225 from 1 to 3.
Effective: Fall 2020

CERTIFICATE MODIFICATION

HEAVY/MEDIUM DUTY TRUCK ENGINE AND FUEL INJECTION TECHNOLOGY CERTIFICATE

The Heavy/Medium Duty Truck Engine and Fuel Injection Technology certificate offers students high technology training and skills that may be utilized for immediate employment after certification completion. Students will receive training in various subjects including repair, operation and maintenance of heavy-duty industrial diesel engines and computer controlled diesel engines. The certificate will also cover basic electrical theory, use of meters, test equipment, and wiring diagrams. The certificate also covers general troubleshooting and diagnostic testing. The certificate may also be used in preparation for the Automotive Service Excellence (ASE) National Test.

REQUIRED COURSES:		Units
HMDT 021	Heavy-Duty Truck Engines	4
HMDT 024	Advanced Heavy-Duty Truck Engines	4
HMDT 028	Heavy-Duty Truck Systems	4
HMDT 034	Diesel Alternative Fuels	4
HMDT 064	Auto/Truck Electrical Systems	4
Total Units		20

This is a Gainful Employment Program

Rationale: Formerly Diesel Engine and Fuel Injection Technology. Changing department from DIESEL to HMDT.
Effective: Fall 2020

CERTIFICATE MODIFICATION

HEAVY/MEDIUM DUTY TRUCK ENGINE AND FUEL INJECTION TECHNOLOGY NONCREDIT CERTIFICATE

The Heavy/Medium Duty Truck Engine and Fuel Injection Technology noncredit certificate offers students high technology training and skills that may be utilized for immediate employment after certification completion. Students will receive training in various subjects including repair, operation and maintenance of heavy-duty industrial diesel engines and computer controlled diesel engines. The certificate will also cover basic electrical theory, use of meters, test equipment, and wiring diagrams. The certificate also covers general troubleshooting and diagnostic testing. The certificate may also be used in preparation for the Automotive Service Excellence (ASE) National Test.

REQUIRED COURSES:

	Hours
HMDT 621 Heavy-Duty Truck Engines	96 - 108
HMDT 624 Advanced Heavy-Duty Truck Engines	96 - 108
HMDT 628 Heavy-Duty Truck Systems	96 - 108
HMDT 634 Heavy/Medium Duty Truck Alternative Fuels	96 - 108
HMDT 664 Auto/Truck Electrical Systems	96 - 108

Total Hours **480 - 540**

Rationale: Formerly Diesel Engine and Fuel Injection Technology. Changing department from DIESEL to HMDT.
Effective: Fall 2020

CERTIFICATE MODIFICATION

HEAVY/MEDIUM DUTY TRUCK TECHNOLOGY CERTIFICATE

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

REQUIRED COURSES:

	Units
HMDT 021 Heavy-Duty Truck Engines	4
HMDT 022 Heavy-Duty Truck Brakes	4
HMDT 023 Heavy-Duty Truck Suspension and Steering	4
HMDT 024 Advanced Heavy-Duty Truck Engines	4
HMDT 026 Computer Controlled Truck Engines	4
HMDT 028 Heavy-Duty Truck Systems	4
HMDT 064 Auto/Truck Electrical Systems	4

or

AUTO 064 Auto/Truck Electrical Systems 4

RECOMMENDED COURSE:

DIESEL 098 Diesel Work Experience 1 - 4

Total Units **28**

Rationale: Formerly Heavy/Medium Duty Diesel Truck Technology. Changing department from DIESEL to HMDT.
Effective: Fall 2020

CERTIFICATE MODIFICATION

WATER SUPPLY TECHNOLOGY CERTIFICATE

The Water Supply Technology Certificate is designed to prepare students with the necessary knowledge and skills to obtain entry-level employment in the water supply, delivery, and treatment operations. [The Water Supply Technology Certificate should not be confused with certification issued by the State Water Resources Control Board, California Water Environment Association (CWEA), or the American Water Works Association (AWWA). Certification by the State of California requires the qualified individual to: 1) pass an examination administered by the State Water Resources Control Board, California Water Environment Association (CWEA), or American Water Works Association (AWWA); 2) meet the experience and/or educational minimum requirements; 3) and, submit a certification application with the applicable fee.

Required Courses:

	Units
CIT 031 Business English	3
WST 075 Water/Wastewater Chemistry and Analysis	4

Required Mathematics Courses: (Choose One)

	Units
WST 052 Water Technology Math or	3
WST 053 Wastewater Technology Math	3

Choose 6 courses from the list below: (18 Units)

	Units
WST 031 Water Use Efficiency Practitioner I	3
WST 034 Introduction to Water Resource Management	3
WST 037 Environmental Laws and Regulations	3
WST 038 Geographic Information Systems (GIS) in Water Resources	3
WST 045 Backflow Prevention Devices	3
WST 048 Cross-Connection Control	3
WST 061 Water Distribution I	3
WST 062 Water Distribution II	3
WST 071 Water Treatment I	3
WST 072 Water Treatment II	3
WST 081 Wastewater Collection I	3
WST 082 Wastewater Collection II	3
WST 086 Electrical Instrumentation for Water and Wastewater Operations	3
WST 091 Wastewater Treatment I	3
WST 092 Wastewater Treatment II	3

Recommended Courses:

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

Total Units	28
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Rationale: Adding WST 034, WST 037 and WST 086. Recalculating units.
Effective: Fall 2020

NEW DEGREE

HISTORY ASSOCIATE OF ARTS TRANSFER DEGREE (AA-T)

Historians critically evaluate the causes and significance of events in the past to better understand the individuals, ideas, actions, and events that have shaped our present. The work of historians promotes a better understanding of cultures and societies from the past. While the study of history is valuable in its own right, it also serves as a useful preparation for careers in law, archival work, public service, education, journalism, and business.

This history degree includes foundational coursework in United States History and World History, with additional coursework in specialized history courses and/or introductory social science courses. Students will be prepared to successfully complete upper division coursework in history, and related disciplines, having completed this history degree. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals.

The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn this History AA-T degree, students must:

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

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

REQUIRED CORE COURSES: (6 Units)

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

LIST A: Select Two (6 Units)

HIST 170	World History to 1500	3
HIST 171	World History Since 1500	3

LIST B: Select one course from Area 1 and Area 2 (6 Units)

Area 1: (3 Units)

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
	or	

HIST 140H	Chicano History - Honors	3
HIST 150	Introduction to Latin American History	3
LIST B: Area 2: (3 Units)		Units
HIST 145	History of California	3
or		
HIST 145H	History of California - Honors	3
Major Total:		18
Total Units that may be Double-Counted:		15
General Education (CSU-GE or IGETC) Units:		37-39
Elective (CSU Transferrable) Units:		18-20
Total Units		60

Rationale: New History transfer degree.
Effective: Fall 2021

DEGREE MODIFICATION

HEAVY/MEDIUM DUTY DIESEL TRUCK TECHNOLOGY ASSOCIATE OF SCIENCE DEGREE

The Heavy/Medium Duty Truck Technology degree prepares the students to seek employment in maintenance and repair of heavy/medium duty trucks at beginning level and can move to advanced level after some experience.

REQUIRED COURSES:		Units
CIT 101	Introduction to Computer Literacy	3
HMDT 021	Heavy-Duty Truck Engines	4
HMDT 022	Heavy-Duty Truck Brakes	4
HMDT 023	Heavy-Duty Truck Suspension and Steering	4
HMDT 024	Advanced Heavy-Duty Truck Engines	4
HMDT 026	Computer Controlled Truck Engines	4
HMDT 028	Heavy-Duty Truck Systems	4
HMDT 064	Auto/Truck Electrical Systems	4
or		
AUTO 064	Auto/Truck Electrical Systems	4
RECOMMENDED COURSES:		Units
DIESEL 098	Diesel Work Experience	1 - 4
WELD 010	Introduction to Welding	2
Total Units		31

Rationale: Updating from DIESEL to HMDT.
Effective: Fall 2020

DEGREE MODIFICATION

WATER TECHNOLOGY ASSOCIATE OF SCIENCE DEGREE

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

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

Required Courses:

		Units
WST 034	Introduction to Water Resource Management	3
WST 037	Environmental Laws and Regulations	3
WST 075	Water/Wastewater Chemistry and Analysis	4

Choose 5 courses from the list below: (15 Units)

		Units
WST 031	Water Use Efficiency Practitioner I	3
WST 036	Water Utility Management	3
WST 038	Geographic Information Systems (GIS) in Water Resources	3
WST 045	Backflow Prevention Devices	3
WST 048	Cross-Connection Control	3
WST 061	Water Distribution I	3
WST 062	Water Distribution II	3
WST 071	Water Treatment I	3
WST 072	Water Treatment II	3
WST 081	Wastewater Collection I	3
WST 082	Wastewater Collection II	3
WST 086	Electrical Instrumentation for Water and Wastewater Operations	3
WST 091	Wastewater Treatment I	3
WST 092	Wastewater Treatment II	3

Recommended Courses:

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

Total Units		25
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Rationale: Adding WST 034, WST 037 and WST 086. Recalculating units.
Effective: Fall 2020

COURSE CORRECTION

Correction to the 2020-2021 College Catalog

Course ID: ANTHRO 109
TOP Code: 2202.00
Rationale: Updating TOP Code from 1002.00 to 2202.00
Previous Board Approval: November 14, 2019
Effective: Fall 2020

COURSE CORRECTION

Correction to the 2020-2021 College Catalog

Course ID: ANTHRO 110
Catalog Description: This course introduces the study of beliefs and practices, past and present, associated with magic, witchcraft, and religion. Topics examined include ritual, symbolism, altered states of consciousness, and healing, as well as syncretism, change, and the social roles of these beliefs and practices. This course is also offered as RELIG 110.
Schedule Description: This course introduces the study of beliefs and practices, past and present, associated with magic, witchcraft, and religion. Topics examined include ritual, symbolism, altered states of consciousness, and healing, as well as syncretism, change, and the social roles of these beliefs and practices. This course is also offered as RELIG 110.
Rationale: Updating course descriptions to add information about RELIG 110.
Previous Board Approval: November 14, 2019
Effective: Fall 2020

COURSE CORRECTION

Correction to the 2020-2021 College Catalog

Course ID: FN 066
Corequisite: None
Rationale: Removing FN 167 as corequisite.
Previous Board Approval: December 12, 2019
Effective: Fall 2020

CERTIFICATE CORRECTION

Correction to the 2020-2021 Catalog

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:

CD 105 Child Growth and Development

Units

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 101	Parent-Child Interaction	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: Units

Choose one (1) course

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
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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
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			51 - 54

Rationale: Updating CD 100 course to CD 101 to better align with the Guidance Specialization

Previous Board Approval: December 12, 2019

Effective: Fall 2020