


## **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:** May 16, 2019  
**SUBJECT:** Consideration of Approval of Curriculum - SBVC

### **RECOMMENDATION**

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

### **OVERVIEW**

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

### **ANALYSIS**

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

### **INSTITUTIONAL VALUES**

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

### **FINANCIAL IMPLICATIONS**

None.

**SAN BERNARDINO VALLEY COLLEGE  
SUBMITTED FOR BOARD OF TRUSTEE APPROVAL  
May 16, 2019**

**CONTENT REVIEW**

*No Changes to the College Catalog*

SDEV 905                      SDEV 906                      WST 061

**Rationale:**                      Content Review  
**Effective:**                      Fall 2019

**NEW COURSE**

*Addition to the 2020-2021 College Catalog*

**Course ID:**                      **AUTO 030**  
**Course Title:**                      Mechanical Technology for the Collision Specialist  
**Units:**                              5  
**Lecture:**                              4 contact hour(s) per week  
    64 - 72 contact hours per semester  
**Laboratory:**                              3 contact hour(s) per week  
    48 - 54 contact hours per semester  
**Outside of Class Hours:**                      8 hour(s) per week  
**Prerequisite:**                              None  
**Catalog Description:**                      This course is an intense overview of the mechanical aspects of a vehicle as it pertains to Collision industry. Subjects covered are A/C, Electrical, SRS (Safety Restraint Systems), front-end geometry and hybrid and electrical vehicle safety.  
**Schedule Description:**                      This course is an intense overview of the mechanical aspects of a vehicle as it pertains to Collision industry. Subjects covered are A/C, Electrical, SRS (Safety Restraint Systems), front-end geometry and hybrid and electrical safety.  
**Rationale:**                              Class is required for new technologies in the automotive industry. This course is part of the Advanced Automotive Collision Repair and Refinishing certificate and degree.  
**TOP Code:**                              0949.00  
**Equate:**                                      Course not offered at CHC.  
**Effective:**                                      Fall 2020

**NEW COURSE**

*Addition to the 2020-2021 College Catalog*

**Course ID:**                              **WST 038**  
**Course Title:**                              Geographic Information Systems (GIS) in Water Resources  
**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:**                      The introductory course will provide students with a deeper understanding of geography from a water utility perspective, instruction on the basics of Geographic Information Systems (GIS), and introduce them to the core principles of how the knowledge may be applied to water resource management. GIS is used to solve real world water problems including infrastructure placement and maintenance, the difficulties associated with sourcing water, moving water, and

<b>Schedule Description:</b>	treating water as well as the impacts of these on human populations and the natural world. The introductory course will provide students with a deeper understanding of geography from a water utility perspective, instruction on the basics of Geographic Information Systems (GIS), and introduce them to the core principles of how the knowledge may be applied to the water industry.
<b>Rationale:</b>	"Doing What Matters", the initiative launched in 2013 by the California Community Colleges, encourages the regional collaboration of colleges to serve employers and job seekers in the best possible way. This proposed course of instruction supports the college's mission through the establishment of an additional career pathway for WST Program students that lead to high-demand jobs earning a livable wage.
<b>TOP Code:</b>	0958.00
<b>Equate:</b>	Course not offered at CHC.
<b>Effective:</b>	Fall 2020

## NEW COURSE

### *Addition to the 2020-2021 College Catalog*

<b>Course ID:</b>	<b>WST 631</b>
<b>Course Title:</b>	Introduction to Water Use Efficiency
<b>Hours:</b>	32 - 36
<b>Lecture:</b>	2 contact hour(s) per week 32 - 36 contact hours per semester
<b>Prerequisite:</b>	None
<b>Catalog Description:</b>	This noncredit water conservation course is designed for students interested in working as a water use efficiency practitioner. It includes the expected range of knowledge required for the American Water Works Association (AWWA) Water Use Efficiency Practitioner I Certificate.
<b>Schedule Description:</b>	This noncredit water conservation course is designed for students interested in working as a water use efficiency practitioner. It includes the expected range of knowledge required for the American Water Works Association (AWWA) Water Use Efficiency Practitioner I Certificate.
<b>Rationale:</b>	Many kinds of certificates are of occupational benefit to students. Workforce Preparation courses provide instruction for speaking, listening, reading, writing, mathematics, decision-making and problem-solving skills that are necessary to participate in job specific technical training (California Code Regulations, Title 5, § 55151). This noncredit course will make available to such students a practicable entry level pathway that would qualify them, upon completion, for the advanced training and count towards the requirements for an Associate Degree in Water Technology. As an illustration, this course will teach basic principles and theory in water supply and delivery operations, as well as application. This course will also permit students to remain current in the water industry and meet the needs of those already employed for upward mobility or a career upgrade.
<b>TOP Code:</b>	0958.00
<b>Equate:</b>	Course not offered at CHC.
<b>Effective:</b>	Fall 2020

**NEW COURSE**

*Addition to the 2020-2021 College Catalog*

**Course ID:** WST 661  
**Course Title:** Introduction to Water Distribution  
**Hours:** 32 - 36  
**Lecture:** 2 contact hour(s) per week  
 32 - 36 contact hours per semester  
**Prerequisite:** None  
**Catalog Description:** This noncredit course is designed for students interested in the field of water distribution. It covers the configuration, operation and maintenance of a water distribution system, and includes the Expected Range of Knowledge (ERK) required for the State Water Resource Control Board (SWRCB) water distribution certification tests at D1 and D2 levels. Successful completion of this course fulfills the requirements for specialized training covering fundamentals of water supply principles required to apply for the SWRCB D2 certification test.  
**Schedule Description:** This noncredit course is designed for students interested in the field of water distribution. It covers the configuration, operation and maintenance of a water distribution system, and includes the Expected Range of Knowledge (ERK) required for the State Water Resource Control Board (SWRCB) water distribution certification tests at D1 and D2 levels. Successful completion of this course fulfills the requirements for specialized training covering fundamentals of water supply principles required to apply for the SWRCB D2 certification test.  
**Rationale:** Many kinds of certificates are of occupational benefit to students. Workforce Preparation courses provide instruction for speaking, listening, reading, writing, mathematics, decision-making and problem-solving skills that are necessary to participate in job specific technical training (California Code Regulations, Title 5, § 55151). This noncredit course will make available to such students a practicable entry level pathway that would qualify them, upon completion, for the advanced training and count towards the requirements for an Associate Degree in Water Technology. As an illustration, this course will teach basic principles and theory in water supply and delivery operations, as well as application. This course will also permit students to remain current in the water industry and meet the needs of those already employed for upward mobility or a career upgrade.  
**TOP Code:** 0958.00  
**Equate:** Course not offered at CHC.  
**Effective:** Fall 2020

**NEW COURSE**

*Addition to the 2020-2021 College Catalog*

**Course ID:** WST 671  
**Course Title:** Introduction to Water Treatment  
**Hours:** 32 - 36  
**Lecture:** 32 - 36 contact hour(s) per semester  
**Prerequisite:** None  
**Catalog Description:** This noncredit course is designed for students interested in the field of water treatment. It includes processes required to treat source water into potable water and includes the Expected Range of Knowledge (ERK) required to pass the California State Water Resource Control Board (SWRCB) water treatment certification test at T1 level. Successful completion of this course fulfills the requirements for the specialized training covering drinking water treatment required to apply for SWRCB T2 certification test.

**Schedule Description:** This noncredit course includes processes required to treat source water into potable water. It prepares students for the California State Water Resource Control Board (SWRCB) T1 certification test. Successful completion of this course fulfills the training required to apply for SWRCB T2 certification test.

**Rationale:** Many kinds of certificates are of occupational benefit to students. Workforce Preparation courses provide instruction for speaking, listening, reading, writing, mathematics, decision-making and problem-solving skills that are necessary to participate in job specific technical training (California Code Regulations, Title 5, § 55151). This noncredit course will make available to such students a practicable entry level pathway that would qualify them, upon completion, for the advanced training and count towards the requirements for an Associate Degree in Water Technology. As an illustration, this course will teach basic principles and theory in water supply and delivery operations, as well as application. This course will also permit students to remain current in the water industry and meet the needs of those already employed for upward mobility or a career upgrade.

**TOP Code:** 0958.00  
**Equate:** Course not offered at CHC.  
**Effective:** Fall 2020

**NEW COURSE**

*Addition to the 2020-2021 College Catalog*

**Course ID:** **WST 681**  
**Course Title:** Introduction to Wastewater Collections  
**Hours:** 32 - 36  
**Lecture:** 32 - 36 contact hour(s) per semester  
**Prerequisite:** None  
**Catalog Description:** This noncredit course is designed to train operators in the practical aspects of operating and maintaining wastewater collector systems, emphasizing safe practices and procedures. The course focuses on the knowledge, skills, and abilities required to perform the essential duties of an entry level collection system maintenance technologist and prepares students to take the California Water Environment Association (CWEA) Collection System Certification exam at Grade I.

**Schedule Description:** This noncredit course focuses on the knowledge skills and abilities required to perform the essential duties of an entry level collection system maintenance technologist and prepares students to take the California Water Environment Association (CWEA) Collection System Certification exam at Grade I.

**Rationale:** Many kinds of certificates are of occupational benefit to students. Workforce Preparation courses provide instruction for speaking, listening, reading, writing, mathematics, decision-making and problem-solving skills that are necessary to participate in job specific technical training (California Code Regulations, Title 5, § 55151). This noncredit course will make available to such students a practicable entry level pathway that would qualify them, upon completion, for the advanced training and count towards the requirements for an Associate Degree in Water Technology. As an illustration, this course will teach basic principles and theory in water supply and delivery operations, as well as application. This course will also permit students to remain current in the water industry and meet the needs of those already employed for upward mobility or a career upgrade.

**TOP Code:** 0958.00  
**Equate:** Course not offered at CHC.  
**Effective:** Fall 2020

<b>NEW COURSE</b>
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*Addition to the 2020-2021 College Catalog*

<b>Course ID:</b>	<b>WST 691</b>
<b>Course Title:</b>	Introduction to Wastewater Treatment
<b>Hours:</b>	32 – 36
<b>Lecture:</b>	32 - 36 contact hour(s) per semester
<b>Prerequisite:</b>	None
<b>Catalog Description:</b>	This is an introductory course in wastewater treatment. This noncredit course covers material included in the State Water Resources Control Board (SWRCB) grade I certification exam.
<b>Schedule Description:</b>	This is an introductory course in wastewater treatment. The noncredit course covers material included in the State Water Resources Control Board (SWRCB) grade I certification exam.
<b>Rationale:</b>	Many kinds of certificates are of occupational benefit to students. Workforce Preparation courses provide instruction for speaking, listening, reading, writing, mathematics, decision-making and problem-solving skills that are necessary to participate in job specific technical training (California Code Regulations, Title 5, § 55151). This noncredit course will make available to such students a practicable entry level pathway that would qualify them, upon completion, for the advanced training and count towards the requirements for an Associate Degree in Water Technology. As an illustration, this course will teach basic principles and theory in water supply and delivery operations, as well as application. This course will also permit students to remain current in the water industry and meet the needs of those already employed for upward mobility or a career upgrade.
<b>TOP Code:</b>	0958.00
<b>Equate:</b>	Course not offered at CHC.
<b>Effective:</b>	Fall 2020

<b>MODIFY COURSE</b>
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*Changes to the 2020-2021 College Catalog*

COURSE ID	COURSE TITLE
BIOL 260	HUMAN ANATOMY

<b>Prerequisite:</b>	MATH 095 or MATH 096
<b>Departmental Advisory:</b>	BIOL 100 and eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process.
<b>Rationale:</b>	Modifying course to meet requirements for AB-705
<b>Equate:</b>	Course not offered at CHC.
<b>Effective:</b>	Fall 2020

COURSE ID	COURSE TITLE
SOC 100	INTRODUCTION TO SOCIOLOGY

<b>Departmental Advisory:</b>	READ 015 or eligibility for READ 100 as determined by the SBVC assessment process
<b>Rationale:</b>	Content review and removing MATH departmental advisory.
<b>Equate:</b>	SOC 100 at CHC.
<b>Effective:</b>	Fall 2020

COURSE ID	COURSE TITLE
SOC 110	SOCIAL PROBLEMS

<b>Departmental Advisory:</b>	READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.
<b>Catalog Description:</b>	This course is an examination of contemporary social issues in the United States including causes, consequences, interventions, and solutions, with an emphasis on social institutions and other topics such as crime, inequalities, substance abuse, and the role of power and ideology in the construction and definitions of social problems.
<b>Schedule Description:</b>	This course is an examination of contemporary social issues in the United States including causes, consequences, interventions, and solutions, with an emphasis on social institutions and other topics such as crime, inequalities, substance abuse, and the role of power and ideology in the construction and definitions of social problems.
<b>Rationale:</b>	Content review and removing MATH departmental advisory.
<b>Equate:</b>	SOC 105 at CHC.
<b>Effective:</b>	Fall 2020

COURSE ID	COURSE TITLE
SOC 120	HEALTH AND SOCIAL JUSTICE

<b>Departmental Advisory:</b>	READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.
<b>Catalog Description:</b>	This course is an examination of health and illness in society. There is an emphasis on the social inequalities that stem from unequal living conditions, and social stratification that impact disproportionate health outcomes, health epidemics, and policy development throughout the life course. Organization of the medical system, healthcare access, public health issues, and advocacy related trends and strategies will be studied.
<b>Schedule Description:</b>	This course is an examination of health and illness in society. There is an emphasis on the social inequalities that stem from unequal living conditions, and social stratification that impact disproportionate health outcomes, health epidemics, and policy development throughout the life course. Organization of the medical system, healthcare access, public health issues, and advocacy related trends and strategies will be studied.
<b>Rationale:</b>	Content review and removing MATH departmental advisory.
<b>Equate:</b>	Course not offered at CHC.
<b>Effective:</b>	Fall 2020

COURSE ID	COURSE TITLE
SOC 130	FAMILY SOCIOLOGY

<b>Departmental Advisory:</b>	READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.
<b>Rationale:</b>	Content review and removing MATH departmental advisory.
<b>Equate:</b>	SOC 130 at CHC.
<b>Effective:</b>	Fall 2020

COURSE ID	COURSE TITLE
SOC 135	INTRODUCTION TO CRIME

<b>Departmental Advisory:</b>	READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.
<b>Catalog Description:</b>	This course is a sociological examination of crime, criminality, and deviance in society with a focus on types of deviant and criminal behaviors, history, and patterns in the United States. Topics include sociological theories, definition and measurement of crime, cultural values and norms related to deviance, social inequality, criminal justice system, and the laws and methods used to control crime and deviance.
<b>Schedule Description:</b>	This course is a sociological examination of crime, criminality, and deviance in society with a focus on types of deviant and criminal behaviors, history, and patterns in the United States. Topics include sociological theories, definition and measurement of crime, cultural values and norms related to deviance, social inequality, criminal justice system, and the laws and methods used to control crime and deviance.
<b>Rationale:</b>	Content review and removing MATH departmental advisory.
<b>Equate:</b>	Course not offered at CHC.
<b>Effective:</b>	Fall 2020

COURSE ID	COURSE TITLE
SOC 141	RACE AND ETHNIC RELATIONS

<b>Departmental Advisory:</b>	READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.
<b>Rationale:</b>	Content review and removing MATH departmental advisory.
<b>Equate:</b>	SOC 141 at CHC.
<b>Effective:</b>	Fall 2020

COURSE ID	COURSE TITLE
SOC 145	SOCIOLOGY OF GENDER

<b>Departmental Advisory:</b>	READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.
<b>Catalog Description:</b>	This course is an examination of the social construction of gender, femininity, and masculinity in the United States. Topics include historical, cross-cultural, and societal forces and change that influence gender socialization, expectations, and practices with an emphasis on social institutions and some focus on global contemporary trends.
<b>Schedule Description:</b>	This course is an examination of the social construction of gender, femininity, and masculinity in the United States. Topics include historical, cross-cultural, and societal forces and change that influence gender socialization, expectations, and practices with an emphasis on social institutions and some focus on global contemporary trends.
<b>Rationale:</b>	Content review and removing MATH departmental advisory.
<b>Equate:</b>	SOC 145 at CHC.
<b>Effective:</b>	Fall 2020



COURSE ID	COURSE TITLE
SOC 150	AGING AND THE LIFE COURSE

<b>Departmental Advisory:</b>	READ 015 or eligibility for READ 100 as determined by the SBVC assessment process.
<b>Catalog Description:</b>	This course is a sociological examination of aging and the life course with an emphasis on aging as a social process. Topics include demographic trends, historical, cross-cultural, political, and economic forces that influence the experience of aging on individuals and families throughout the lifespan, communities, and societies, with some focus on global patterns.
<b>Schedule Description:</b>	This course is a sociological examination of aging and the life course with an emphasis on aging as a social process. Topics include demographic trends, historical, cross-cultural, political, and economic forces that influence the experience of aging on individuals and families throughout the lifespan, communities, and societies, with some focus on global patterns.
<b>Rationale:</b>	Content review and removing MATH departmental advisory.
<b>Equate:</b>	Course not offered at CHC.
<b>Effective:</b>	Fall 2020

COURSE ID	COURSE TITLE
WST 062	WATER DISTRIBUTION II

<b>Catalog Description:</b>	This advanced level course prepares students for journeyman level system operations in the field of water distribution. The course covers the Expected Range of Knowledge (ERK) required for the California State Water Resources Control Board (SWRCB) examination at the Water Distribution Operator IV (D4) and Water Distribution Operator V (D5) levels. Successful completion of this course also fulfills the requirements for specialized training covering fundamentals of water supply principles required to apply for SWRCB Water Treatment Operator III (T3) and Water Distribution Operator IV (D4) examinations.
<b>Schedule Description:</b>	This advanced level course prepares students for journeyman level system covers the Expected Range of Knowledge (ERK) required for the California State Water Resources Control Board (SWRCB) exam at the Water Distribution Operator IV (D4) and Water Distribution Operator V (D5) levels. Successful completion of this course also fulfills the requirements for specialized training covering fundamentals of water supply principles required to apply for SWRCB Water Treatment Operator III (T3) and Water Distribution Operator IV (D4) examinations.
<b>Rationale:</b>	The Water and Wastewater Technology TOP Code has been reviewed by a special task force of educators at the State Chancellor's level to facilitate curricular portability across institutions and ensure the subject matter is in direct alignment with industry standards. The numbering scale for this course has been revised to resource the "C-ID" (course identifier) system for WST courses, certificates, and degrees.
<b>Equate:</b>	Course not offered at CHC.
<b>Effective:</b>	Fall 2020

COURSE ID	COURSE TITLE
WST 071	WATER TREATMENT I

**Catalog Description:** This introductory course is designed for students interested in the field of water treatment. It includes processes required to treat source water into potable water and includes the Expected Range of Knowledge (ERK) required to pass the California State Water Resource Control Board (SWRCB) examination at the Water Treatment Operator I (T1) and Water Treatment Operator I (T2) level. Successful completion of this course fulfills the requirements for the specialized training covering drinking water treatment required to apply for SWRCB T2 certification test.

**Schedule Description:** This introductory course is designed for students interested in the field of water treatment. It includes processes required to treat source water into potable water and includes the Expected Range of Knowledge (ERK) required to pass the California State Water Resource Control Board (SWRCB) examination at the Water Treatment Operator I (T1) and Water Treatment Operator I (T2) level. Successful completion of this course fulfills the requirements for the specialized training covering drinking water treatment required to apply for SWRCB T2 certification test.

**Rationale:** The Water and Wastewater Technology TOP Code has been reviewed by a special task force of educators at the State Chancellor's level to facilitate curricular portability across institutions and ensure the subject matter is in direct alignment with industry standards. The numbering scale for this course has been revised to "171" to resource the "C-ID" (course identifier) system for WST courses, certificates, and degrees.

**Equate:** Course not offered at CHC.

**Effective:** Fall 2020

COURSE ID	COURSE TITLE
WST 072	WATER TREATMENT II

**Catalog Description:** This advanced level course prepares students for journeyman level plant operations in the field of water treatment. The course covers the Expected Range of Knowledge (ERK) required to pass the State Water Resources Control Board (SWRCB) examination at Water Treatment Operator III (T3) and Water treatment Operator IV (T4) level. Successful completion of this course fulfills the requirements for specialized training covering fundamentals of water supply principles required to apply for SWRCB Water Treatment Operator III (T3) and Water Distribution Operator III (D3) examinations.

**Schedule Description:** This advanced level course prepares students for journeyman level plant operations in the field of water treatment. The course covers the Expected Range of Knowledge (ERK) required to pass the State Water Resources Control Board (SWRCB) examination at Water Treatment Operator III (T3) and Water treatment Operator IV (T4) level. Successful completion of this course fulfills the requirements for specialized training covering fundamentals of water supply principles required to apply for SWRCB Water Treatment Operator III (T3) and Water Distribution Operator III (D3) examinations.

**Rationale:** The Water and Wastewater Technology TOP Code has been reviewed by a special task force of educators at the State Chancellor's level to facilitate curricular portability across institutions and ensure the subject matter is in direct alignment with industry standards. The numbering scale for this course has been

revised to resource the "C-ID" (course identifier) system for WST courses, certificates, and degrees.  
**Equate:** Course not offered at CHC.  
**Effective:** Fall 2020

COURSE ID	COURSE TITLE
WST 091	WASTEWATER TREATMENT I

**Catalog Description:** An introduction to wastewater treatment, students will explore the scope, limits, and methods of wastewater treatment processes through readings, discussions, analysis, and laboratory study. This course is designed for individuals seeking employment or already employed in the wastewater field. It covers the wastewater operator's job-related knowledge identified by the SWRCB examination developers as essential for a minimally competent Grade I or Grade II Wastewater Treatment Plant Operator.

**Schedule Description:** This introductory course is designed for individuals seeking employment or already employed in the wastewater field. It covers the wastewater operator's job-related knowledge identified by the SWRCB examination developers as essential for a minimally competent Grade I or Grade II Wastewater Treatment Plant Operator.

**Rationale:** The Water and Wastewater Technology TOP Code has been reviewed by a special task force of educators at the State Chancellor's level to facilitate curricular portability across institutions and ensure the subject matter is in direct alignment with industry standards. The course has been revised to resource the "C-ID" (course identifier) system for WST courses, certificates, and degrees.

**Equate:** Course not offered at CHC.  
**Effective:** Fall 2020

COURSE ID	COURSE TITLE
WST 092	WASTEWATER TREATMENT II

**Catalog Description:** This is an advanced course in wastewater treatment. Students will explore the scope, limits, and methods of secondary and advanced treatment, solids handling, disinfection, and the reclamation of wastewater, through readings, discussions, analysis, and laboratory study. This course is designed for individuals seeking employment or already employed in the wastewater field. It covers the wastewater operator's job-related knowledge identified by the California State Water Resources Control Board examination developers as essential for a minimally competent Wastewater Treatment Plant Operator Grade III or above.

**Schedule Description:** This advanced course in wastewater treatment is designed for individuals seeking employment or already employed in the wastewater field. It covers the wastewater operator's job-related knowledge identified by the California State Water Resources Control Board (SWRCB) examination developers as essential for a minimally competent Wastewater Treatment Plant Operator Grade III or above.

**Rationale:** The Water and Wastewater Technology TOP Code has been reviewed by a special task force of educators at the State Chancellor's level to facilitate curricular portability across institutions and ensure the subject matter is in direct alignment with industry standards. The course has been revised to resource the "C-ID" (course identifier) system for WST courses, certificates, and degrees.

**Equate:** Course not offered at CHC.  
**Effective:** Fall 2020

**COURSE DELETION**

AUTO 028	AUTO 029	INSPEC 010B	INSPEC 011B
INSPEC 024D	INSPEC 025D	MATH 942A	MATH 942B
MATH 942C	MATH 952A	MATH 952B	MATH 952C
MATH 952D	WST 032	WST 063	WST 073
WST 093			

**Rationale:** Courses are no longer offered.  
**Effective:** Fall 2019 or Fall 2020

**DISTRIBUTED EDUCATION**

SOC 100	SOC 110	SOC 120	SOC 130
SOC 135	SOC 141	SOC 145	SOC 150
WST 061	WST 062	WST 071	WST 072
WST 091	WST 092		

**Rationale:** **100% ONLINE**

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

**Effective:** Fall 2019

**NEW CERTIFICATE**

**BASIC WATERWORKS NONCREDIT CERTIFICATE**

This noncredit Basic Waterworks 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. [Note: The Basic Waterworks Certificate is not equivalent to the "Certificate of Competency" issued by the California State Water Resources Control Board in Water Distribution or Water Treatment].

**REQUIRED COURSES:**

	<b>Hours</b>
CIT 601 Introduction to Basic Computer Skills	24 - 37
VOCED 631 Fundamentals of Business English	16 - 32
WST 601 Test Review for Water Distribution D1	8 - 16
WST 611 Test Review for Water Treatment T1	8 - 16
WST 629 Introduction to Water Supply Technology	4 - 8
WST 652 Basic Waterworks Math Test Preparation	16 - 32
WST 661 Introduction to Water Distribution	32 - 36
WST 671 Introduction to Water Treatment	32 - 36
<b>Total Hours</b>	<b>140 - 213</b>

**Effective:** Fall 2020

<b>NEW CERTIFICATE</b>
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**ENTREPRENEURSHIP - GENERAL CERTIFICATE**

The Entrepreneurship - General certificate provides students with an understanding of small business planning, financial management, and integrated business topics on entrepreneurship and small business management. Upon completion of this program students will be able to examine small business marketing opportunities, identify innovative small business strategies, evaluate financial management decisions, and address the challenges and opportunities specific to small business management and entrepreneurship.

**REQUIRED COURSES:**

		<b>Units</b>
BUSAD 050	Business Math	3
BUSAD 103	Marketing Principles	3
BUSAD 105	Small Business Management/Entrepreneurship	3
BUSAD 106	Principles of Selling	3
BUSAD 110	Human Resource Management	3
BUSAD 120	Business Management/Leadership	3

**Total Units****18***This is a Gainful Employment Program***Effective:** Fall 2019

<b>NEW CERTIFICATE</b>
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**ENTREPRENEURSHIP - REAL ESTATE CERTIFICATE**

This certificate is designed for students who are interested in studying to become their own real estate broker, real estate manager or work in the field of property management. The certificate program provides students with an overview of the different areas of the real estate market and will help guide the student to be an independent broker/agent, to run your own real estate practice, or property management company.

**REQUIRED COURSES:**

		<b>Units</b>
BUSAD 103	Marketing Principles	3
BUSAD 105	Small Business Management/Entrepreneurship	3
BUSAD 106	Principles of Selling	3
REALST 062	Real Estate Practice	3
REALST 063	Real Estate Loan Processing Fundamentals	3
REALST 100	Real Estate Principles	3

**Total Units****18***This is a Gainful Employment Program***Effective:** Fall 2019

<b>NEW CERTIFICATE</b>
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**ENTREPRENEURSHIP - TAX CERTIFICATE**

This certificate is designed for students who are interested in studying taxation for their own professional practice or a venture in family business as well as for those who are interested in developing tax skills, creative thinking and innovative approaches as a career builder in working for small or large corporations. The certificate program provides students with an overview of the different areas of taxation and provides them with the skills and knowledge they need to identify and resolve many tax issues.

**REQUIRED COURSES:**

		<b>Units</b>
ACCT 010	Bookkeeping	3
ACCT 030	Federal and State Individual Income Taxation	4
ACCT 047	Computerized Accounting	3
ACCT 090	Payroll Accounting	3
BUSAD 103	Marketing Principles	3
BUSAD 105	Small Business Management/Entrepreneurship	3
BUSAD 106	Principles of Selling	3

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<b>Total Units</b>		<b>22</b>
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*This is a Gainful Employment Program*

**Effective:**                      Fall 2019

<b>NEW CERTIFICATE</b>
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**WASTEWATER TECHNOLOGY CERTIFICATE**

The noncredit Wastewater Technology Certificate is designed to prepare students with the necessary knowledge and skills to obtain entry-level employment in wastewater collections, treatment, and recycle operations. [Note: The Wastewater Technology Certificate is not equivalent to the "Certificate of Competency" issued by the California Water Environment Association (CWEA) in wastewater collection system operations or the "Certificate of Competency" issued by the State Water Resources Control Board (SWRCB) in Wastewater Treatment.] The Cooperative Work Experience course, WST 098, is highly recommended for students not currently employed in the field.

**REQUIRED COURSES:**

CIT 601	Introduction to Basic Computer Skills	24 - 27
VOCED 631	Fundamentals of Business English	32 - 36
WST 629	Introduction to Water Supply Technology	4 - 8
WST 625	Test Review for Wastewater Treatment Plant Operations Grades One and Two	8 - 16
WST 653	Wastewater Technology Math Test Preparation	16 - 32
WST 681	Introduction to Wastewater Collections	32 - 36
WST 691	Introduction to Wastewater Treatment	32 - 36

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<b>Total Hours</b>		<b>148 - 191</b>
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**Effective:**                      Fall 2020

<b>NEW CERTIFICATE</b>
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**WATER USE SPECIALIST CERTIFICATE**

This noncredit Water Use Specialist Certificate is designed to prepare students with the necessary knowledge and skills to obtain entry-level employment as a water use efficiency practitioner. [Note: The Water Use Specialist Certificate is not equivalent to the certification issued by the American Water Work Association (AWWA) in water use efficiency].

**REQUIRED COURSES:**

CIT 601	Introduction to Basic Computer Skills	24 - 27
VOCED 631	Fundamentals of Business English	32 - 36
WST 629	Introduction to Water Supply Technology	4 - 8
WST 631	Introduction to Water Use Efficiency	32 - 36
WST 652	Basic Waterworks Math Test Preparation	16 - 32
<b>Total Hours</b>		<b>108 - 139</b>

**Effective:** Fall 2020

<b>MODIFY CERTIFICATE</b>
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**ADVANCED AUTOMOTIVE COLLISION REPAIR AND REFINISHING CERTIFICATE**

This certificate is designed to prepare students for entry-level work as an auto collision repair technician and/or painter apprentice beyond the Basic Automotive Collision Repair and Refinishing Certificate and to prepare students for the Automotive Service Excellence (ASE) certification test.

**REQUIRED COURSES:**

		<b>Units</b>
AUTO 020	Non-Structural Body Repair	6
AUTO 022	Non-Structural Collision Repair	6
AUTO 024	Structural Analysis and Damage Repair	6
AUTO 026	Auto Collision Refinishing	6
AUTO 030	Mechanical Technology for the Collision Specialist	5
AUTORS 010	Basic Vehicle Restoration	4
	<b>or</b>	
AUTOST 010	Beginning Street Rod Construction	4
<b>Total Units</b>		<b>33</b>

*This is a Gainful Employment Program*

**Rationale:** Content review, adding AUTO 030.

**Effective:** Fall 2020

**MODIFY CERTIFICATE****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:**

	<b>Units</b>
CIT 031 Business English	3

or

Eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process

WST 052 Water Technology Math	3
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or

WST 053 Wastewater Technology Math	3
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or

Eligibility for MATH 096 or higher as determined by the SBVC assessment process

and

WST 075 Water/Wastewater Chemistry and Analysis	4
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**18 units from the following Water Supply Technology Courses:**

	<b>Units</b>
WST 031 Water Use Efficiency Practitioner I	3

WST 038 Geographic Information Systems (GIS) in Water Resources	3
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WST 045 Backflow Prevention Devices	3
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WST 048 Cross-Connection Control	3
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WST 061 Water Distribution I	3
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WST 062 Water Distribution II	3
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WST 071 Water Treatment I	3
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WST 072 Water Treatment II	3
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WST 081 Wastewater Collection I	3
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WST 082 Wastewater Collection II	3
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WST 091 Wastewater Treatment I	3
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WST 092 Wastewater Treatment II	3
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**RECOMMENDED COURSES:**

	<b>Units</b>
CIT 101 Introduction to Computer Literacy	3

WST 098 Water Supply Technology Work Experience	1 - 4
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<b>Total Units</b>	<b>22 - 29</b>
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**Rationale:** Content review, updating courses.  
**Effective:** Fall 2020



**MODIFY DEGREE****ADVANCED AUTOMOTIVE COLLISION REPAIR AND REFINISHING A.S. DEGREE**

This degree is designed to prepare students for entry-level work as an auto collision repair technician and/or painter apprentice beyond the Basic Automotive Collision Repair and Refinishing Certificate.

To graduate with a specialization in Advanced Automotive Collision Repair and Refinishing, students must complete the following courses plus the general breadth requirements for the associate of science degree (minimum total = 60 units).

<b>REQUIRED COURSES:</b>		<b>Units</b>
AUTO 020	Non-Structural Body Repair	6
AUTO 022	Non-Structural Collision Repair	6
AUTO 024	Structural Analysis and Damage Repair	6
AUTO 026	Auto Collision Refinishing	6
AUTO 030	Mechanical Technology for the Collision Specialist	5
AUTORS 010	Basic Vehicle Restoration	4
<b>or</b>		
AUTOST 010	Beginning Street Rod Construction	4
<b>Total Units</b>		<b>33</b>

**Rationale:** Content review, adding AUTO 030.

**Effective:** Fall 2020

**MODIFY DEGREE****SOCIOLOGY ASSOCIATE OF ARTS TRANSFER DEGREE**

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

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

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

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

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

<b>REQUIRED CORE COURSES: (10 - 11 UNITS)</b>		<b>Units</b>
SOC 100	Introduction to Sociology	3
	<b>or</b>	
SOC 100H	Introduction to Sociology - Honors	3
	<b>and</b>	
SOC 110	Social Problems	3
	<b>or</b>	
SOC 110H	Social Problems - Honors	3
	<b>and</b>	
PSYCH 105	Statistics for the Behavioral Sciences	4
	<b>or</b>	
ECON 208	Business and Economic Statistics	4
	<b>or</b>	
MATH 108	Introduction to Probability and Statistics	4
<b>LIST A: SELECT TWO COURSES (6 units)</b>		<b>Units</b>
<b>Any required core course not already used</b>		
SOC 130	Family Sociology	3
SOC 135	Introduction to Crime	3
SOC 141	Race and Ethnic Relations	3
SOC 145	Sociology of Gender	3
<b>LIST B: SELECT ONE COURSE (3 units minimum):</b>		<b>Units</b>
<b>Any course not used from List A:</b>		
ANTHRO 102	Cultural Anthropology	3
	<b>or</b>	
ANTHRO 102H	Cultural Anthropology - Honors	3
PSYCH 100	General Psychology	3
	<b>or</b>	
PSYCH 100H	General Psychology - Honors	3
SOC 120	Health and Social Justice	3
SOC 150	Aging and the Life Course	3
<b>Major Total: 19-21</b>		<b>Units</b>
<b>Total units that may be double-counted: 12</b>		<b>Units</b>
<b>CSU GE-Breadth or IGETC for CSU requirements: 37-39</b>		<b>Units</b>
<b>CSU electives (as needed to reach 60 transferable units): 3-16</b>		<b>Units</b>
<b>Total Units</b>		<b>60</b>

**Rationale:** Content review.  
**Effective:** Fall 2020

**MODIFY DEGREE****WATER TECHNOLOGY A.S. DEGREE**

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

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

<b>REQUIRED COURSES:</b>	<b>Units</b>
WST 075 Water/Wastewater Chemistry and Analysis	4
<b>18 units from the following Water Supply Technology courses</b>	<b>Units</b>
WST 031 Water Use Efficiency Practitioner I	3
WST 045 Backflow Prevention Devices	3
WST 048 Cross-Connection Control	3
WST 061 Water Distribution I	3
WST 062 Water Distribution II	3
WST 071 Water Treatment I	3
WST 072 Water Treatment II	3
WST 081 Wastewater Collection I	3
WST 082 Wastewater Collection II	3
WST 091 Wastewater Treatment I	3
WST 092 Wastewater Treatment II	3
<b>Two courses from this list of RECOMMENDED courses</b>	<b>Units</b>
CIT 101 Introduction to Computer Literacy	3
WST 034 Introduction to Water Resource Management	3
WST 038 Geographic Information Systems (GIS) in Water Resources	3
WST 036 Water Utility Management	3
<b>Total Units</b>	<b>27 - 28</b>

**Rationale:** Content review, updating courses  
**Effective:** Fall 2020

**CORRECTIONS**

*Corrections may be necessary based off of feedback from the State Chancellor's Office*

**COURSE CORRECTION**

**Course ID:** VOCED 603

**Catalog Description:** This noncredit course is designed to provide students with the knowledge to increase their level of customer services and colleague relations. The topics covered will include new employee skills, workplace culture, continuing education, and work-life balance.

**Schedule Description:** This noncredit course is designed to provide students with the knowledge to increase their level of customer services and colleague relations. The topics covered will include new employee skills, workplace culture, continuing education, and work-life balance.

**Rationale:** Updating descriptions per Chancellor's Office recommendation to be inclusive of all students, not just new employees.

**Previous Board Approval:** June 21, 2018

**Effective:** Fall 2019

**COURSE CORRECTION**

BIOL 102	BIOL 205	BIOL 207	BIOL 270
CHEM 101	CHEM 105	CHEM 110	CIT 160
PHIL 101H	PHIL 112	PS 101	PS 112
PHYSIC 150A	PHYSIC 200	RELIG 100H	RTVF 133
RTVF 240			

**Rationale:** The courses above were previously approved as having an effective date of Fall 2019, however, due to articulation, approval dates are being updated to Fall 2020.

**Previous Board Approval:** January 10, 2019 and April 11, 2019

**Effective:** Fall 2020

**CERTIFICATE CORRECTION**

**LIBRARY TECHNOLOGY CERTIFICATE**

The Library Technology certificate trains students for careers in libraries or information management using print media as well as technology. The program is designed to prepare individuals for entry level employment in a public, school, academic, or special library or an information center.

<b>REQUIRED COURSES:</b>	<b>Units</b>
CIT 010 *      Beginning Keyboarding and Word Processing	0 - 3
ENGL 055      Children's Literature	3
<b>or</b>	
ENGL 155 **    Children's Literature	3
<b>or</b>	
LIB 063      Survey of Literature for Library Technicians	3
LIB 064      Introduction to Library Services	3
LIB 065      Public Services	3
LIB 066      Acquisitions	3

LIB 067	Cataloging and Classification	3
LIB 070	Library Technology and Computer Services	3
LIB 098 ***	Library Technology Work Experience	0 - 4
LIB 110	Information Literacy and Research	3
<b>CHOOSE ONE (1) COURSE FROM THE FOLLOWING LIST:</b>		<b>Units</b>
LIB 062	Care and Repair of Library Materials	1
LIB 071	Youth Services and Programs	2
LIB 073	Library Digital Archives and Resources	2
<b>Total Units</b>		<b>22 - 30</b>

\* or demonstrated ability to type 30 wpm for five minutes

\*\* or any other college-level literature course

\*\*\*This requirement may be waived if the student has been employed in a library for at least one year at full-time (or equivalent)

**Rationale:** Updating units from 23-30 to 22-30  
**Previous Board Approval:** December 13, 2018  
**Effective:** Fall 2019

## DEGREE CORRECTION

### BIOLOGY ASSOCIATE OF SCIENCE TRANSFER DEGREE

The Associate in Science in Biology for Transfer (AS-T) is intended for students who plan to transfer and complete a Bachelor's degree in Biology, or a similar major at a CSU campus. It serves the diverse needs of students who wish to obtain a broad and an in-depth understanding of the field. The Biology Department offers comprehensive and integrative studies in each of the introductory courses of Biology. Courses in Biology prepare students interested in careers in cell biology, genetics, physiology, developmental biology, biotechnology, zoology, botany, microbiology, evolution, ecology, behavior, environmental studies, and the health sciences. The objective of this degree is to delineate a successful career path for our community college students entering the Biology program and to provide opportunities that explore the Biology major. Upon successful completion of the AS-T in Biology, students may be able to enter majors for any of these Biology subfields. Students should consult with a counselor to determine whether this degree is the best option for their transfer goals.

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

To earn a Biology AS-T degree, students must meet the following requirements:

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

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

Students planning to transfer to a four-year institution and major in Biology should consult with a STEM counselor or general counselor regarding the transfer process and lower division requirements. Completion of CSU GE-Breadth for STEM or (IGETC-CSU) for STEM is required in addition to the major requirements.

<b>REQUIRED CORE COURSES:</b>		<b>Units</b>
BIOL 205	Cell and Molecular Biology	4
BIOL 206	Organismal Biology	4
BIOL 207	Evolutionary Ecology	4
 <b>LIST A:</b>		 <b>Units</b>
CHEM 150	General Chemistry I	5
	<b>or</b>	
CHEM 150H	General Chemistry I - Honors	5
	<b>and</b>	
CHEM 151	General Chemistry II	5
	<b>or</b>	
CHEM 151H	General Chemistry II - Honors	5
	<b>and</b>	
MATH 250	Single Variable Calculus I	4
PHYSIC 151	General Physics for the Life Sciences I	4
PHYSIC 152	General Physics for the Life Sciences II	4
<b>Major Total:</b>		<b>36</b>
<b>Total Double-Count Units:</b>		<b>9-10</b>
<b>General Education (CSU-GE or IGETC for STEM) Unit:</b>		<b>31-33</b>
<b>CSU electives (as needed to reach 60 transferrable units):</b>		<b>0-3</b>
<hr/>		
<b>Total Units</b>		<b>60</b>

**Rationale:** Degree was originally approved June 8, 2017, but changes to the TMC require updates to the degree narrative.

**Previous Board Approval:** June 8, 2017

**Effective:** Fall 2019

**DEGREE CORRECTION**

**ENGLISH ASSOCIATE OF ARTS FOR TRANSFER DEGREE**

English is the study and production of writing in English, especially literature. The elements and structures of fiction, poetry, drama and the essay are studied. The ethnic, cultural, social, economic and historical foundations of literary works are analyzed as well as their influences on the creation and reception of those works. Finally, there is a strong emphasis in writing for a variety of purposes, audiences, and effects. The study of English prepares a student for further study in Literature, Creative Writing, Journalism and other closely related fields. In addition, the skills and abilities cultivated by the study of English are excellent preparation for any field which requires wide literacy and solid writing ability, including teaching/education, advertising, law, public relations, and work in the media.

Students planning to transfer to a four-year institution and major in English (or associated disciplines such as Comparative Literature, Journalism or Creative Writing) should consult with a counselor regarding the transfer process and lower division requirements because additional courses may be required at some institutions or they may require you to take specific courses. In addition, the department recommends that students take at least 2 semesters of a foreign language as many 4-year institutions have foreign language requirements for their BA in English.

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

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an “associate degree for transfer”, a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated “high-unit” major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

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

- completion of the following major requirements with grades of C or better
- completion of 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 requirements (CSU GE), which requires a minimum of 39 units. Completing courses prior to transfer that satisfy the U.S. History, Constitution and American Ideals requirement as part of CSU GE is highly recommended.

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

<b>REQUIRED CORE COURSES (7 units required)</b>		<b>Units</b>
ENGL 102	Intermediate Composition and Critical Thinking	4
	<b>or</b>	
ENGL 102H	Intermediate Composition and Critical Thinking - Honors	4
ENGL 151*	Freshman Composition and Literature	3
	<b>or</b>	
ENGL 151H	Freshman Composition and Literature-Honors	3
<b>LIST A Choose 2 courses (minimum 6 units)</b>		
<b>Note that the 270/271 sequence is required by CSU San Bernardino for those transferring as English majors.</b>		<b>Units</b>
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
	<b>or</b>	
ENGL 270H	English Literature: Middle Ages to 18th Century-Honors	3
ENGL 271	English Literature: 18th Century to Present	3
	<b>or</b>	
ENGL 271H	English Literature: 18th Century to Present-Honors	3
ENGL 280**	World Literature: To 17th Century	3
ENGL 281**	World Literature: 17th Century to Present	3
<b>LIST B: Choose one course (minimum 3 units)</b>		
<b>Any courses from List A not used above, or the following course:</b>		<b>Units</b>

ENGL 163	Chicano Literature	3
ENGL 165	African-American Literature	3
ENGL 232	Creative Writing	3
<b>LIST C: Choose one course (minimum 3 units)</b>		
<b>Any courses from Lists A or B not used above, or one of the following courses:</b>		<b>Units</b>
ANTHRO 125	Language and Culture	3
ENGL 122	Journalism Production: Introduction	3
ENGL 123	Journalism Production: Intermediate	3
ENGL 125	Literary Magazine Production	3
ENGL 140	Exploring the World of Science Fiction	3
ENGL 141	Mystery and Detective Fiction	3
ENGL 153	Literature and Film	3
ENGL 155	Children's Literature	3
ENGL 161	Women Writers	3
ENGL 175	The Literature and Religion of the Bible	3
<b>or</b>		
RELIG 175	The Literature and Religion of the Bible	3
ENGL 275	Shakespeare	3
<b>Total Units for the Major:</b>		<b>19</b>
<b>General Education (CSU-GE or IGETC) Units:</b>		<b>37-39</b>
<b>Elective (CSU Transferable) Units:</b>		<b>8-13</b>
<hr/>		
<b>Total Units</b>		<b>60</b>

**Rationale:** Degree was originally approved June 21, 2018, but upon submission to the State Chancellor's Office it was noted that courses were not in alignment with the TMC.

**Previous Board Approval:** June 21, 2018

**Effective:** Fall 2019

**DEGREE CORRECTION**

**FILM A.A. DEGREE**

The Associates of Art degree in Film is designed to prepare students for entry-level jobs in the Film industry in a variety of areas including narrative, documentary production, writing, preproduction, and editing.

<b>Required (Core) Course:</b>		<b>Units</b>
FTVM 101	Introduction to Electronic Media	3
<b>or</b>		
COMMST 135	Mass Media and Society	3
<b>Required Courses: Film Concentration</b>		<b>Units</b>
FTVM 102	Introduction to Media Aesthetics and Cinematic Arts	3
FTVM 121	Media Writing	3
FTVM 114	Introduction to Digital Video Editing	3
FTVM 235	Cinema Production	3
<b>Additionally, choose two (2) from the following:</b>		<b>Units</b>
FTVM 098	Media Arts Work Experience	1 - 4



FTVM 131	Lighting and Cinematography	3
FTVM 132	Commercial Video Production	3
FTVM 122	Acting and Directing for Television and Film	3
<b>Total Units</b>		<b>21</b>

**Rationale:** Degree was previously approved for Fall 2019 effective date, but due to articulation of the courses will not be effective until Fall 2020.

**Previous Board Approval:** April 11, 2019

**Effective:** Fall 2020

## DEGREE CORRECTION

### INFORMATION SYSTEMS AND TECHNOLOGY A.S. DEGREE

To graduate with a specialization in Information Systems and Technology students must complete the following required courses plus the general breadth requirements for the Associate Degree (minimum 60 semester units). The A.S. Degree in Information Systems and Technology is designed to prepare students who wish to pursue a Bachelor Degree from a four-year institution.

<b>REQUIRED COURSES:</b>	<b>Units</b>
ECON 208 Business and Economic Statistics	4
<b>or</b>	
MATH 108 Introduction to Probability and Statistics	4
BUSAD 210 Business Law	3
CIT 101 Introduction to Computer Literacy	3
CIT 116 Database Management: Access	3
CIT 140 Introduction to Systems Analysis and Design	3
CIT 160 Introduction to Information Systems Security	3
CIT 215 Database Management Systems	3
CIT 232 Computer Network Fundamentals	3
CS 120 Introduction to Visual Basic.NET	4
MATH 102 College Algebra	4
<b>or</b>	
MATH 151 Precalculus	4
<b>RECOMMENDED COURSES:</b>	<b>Units</b>
CS 215 Programming with Java	4
CS 077 Introduction to C-Sharp	4
<b>Total Units</b>	<b>33</b>

**Rationale:** Degree was previously approved for Fall 2020 effective date, but can now be offered Fall 2019 after being endorsed by the Consortia.

**Previous Board Approval:** April 11, 2019

**Effective:** Fall 2019