

SAN BERNARDINO VALLEY COLLEGE
SUBMITTED FOR BOARD OF TRUSTEE APPROVAL
May 14, 2009

PROGRAM NAME CHANGE

The Speech program received Curriculum Committee approval to be re-named Communication Studies to accurately reflect the focus of the program. Communication encompasses more than verbal speech and this title is also in line with 4-year institutions. Upon approval of the program name change by the Board of Trustees, the department will begin the curriculum process of updating degrees, certificates and courses to change the identification of the offerings from Speech to Communication Studies.

NEW COURSE

Division: Social Science & Human Development

Department: Family & Consumer Science

Course ID: FCS 066

Course Title: Nutrition Care

Units: 2

Lecture: 2 contact hour(s) per week
32 - 36 contact hours per semester

Prerequisite: FCS 260

Corequisite: FCS 067

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

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

Effective Date: FA10

Rationale: FCS 066 and FCS 067 replace FCS 262. FCS 262 is a 4.5 unit class which has a 2 unit lecture component and a 2.5 unit laboratory component; these two components need to stand alone. The students need to be graded separately as the work involved in the two parts is distinct.

Division: Social Science & Human Development

Department: Family & Consumer Science

Course ID: FCS 067

Course Title: Nutrition Care Internship

Units: 2.5

Laboratory: 7.5 contact hour(s) per week
120 - 135 contact hours per semester

Prerequisite: FCS 260

Corequisite: FCS 066

Catalog Description: This course is a clinical field experience in a dietary health care facility. Course includes nutrition evaluation, implementation of a care plan, nutrition care, dietetic education and facility organizational processes.

Schedule Description: This course is a clinical field experience in a dietary health care facility. Course includes nutrition evaluation, implementation of a care plan, nutrition care, dietetic education and facility organizational processes.

Effective Date: FA10

Curriculum Meetings: 01-26-09; 03-23-09; 04-13-09

Conjoint Meeting: 04-17-09

Board of Trustees Meeting: May 14, 2009

Rationale: FCS 066 and FCS 067 replace FCS 262. FCS 262 is a 4.5 unit class which has a 2 unit lecture component and a 2.5 unit laboratory component; these two components need to stand alone. The students need to be graded separately as the work involved in the two parts is distinct.

NEW COURSE

Division: Science
Department: WATER SUPPLY TECHNOLOGY
Course ID: WST 052A
Course Title: Water Technology Math I
Units: 1
Lecture: 1 contact hour(s) per week
16 - 18 contact hours per semester

Prerequisite: MATH 942 or eligibility for MATH 952 as determined by the SBVC assessment process

Catalog Description: This is the first in a sequence of three vocational math courses recommended for students who are currently enrolled in water supply technology course(s). The course includes unit conversion, area and volume calculation, and the use of a scientific calculator.

Schedule Description: This is the first in a sequence of three vocational math courses recommended for students who are currently enrolled in water supply technology course(s). The course includes unit conversion, area and volume calculation, and the use of a scientific calculator.

Effective Date: FA10

Rationale: As a condition of employment, water operators are required to pass the State of California licensing examination. Twenty five to thirty percent of the test questions on licensing exams are math based. This course is one of the three one-unit courses which will help students who are struggling in class to quickly acquire the math skills they need to succeed in the course they have enrolled in.

Division: Science
Department: WATER SUPPLY TECHNOLOGY
Course ID: WST 052B
Course Title: Water Technology Math II
Units: 1
Lecture: 1 contact hour(s) per week
16 - 18 contact hours per semester

Prerequisite: WST 052A or eligibility for MATH 090 as determined by the SBVC assessment process

Catalog Description: This is the second in a sequence of three vocational math courses recommended for students currently enrolled in water technology course(s). The course includes the pound formula and the rate of flow equation used in solving problems commonly encountered in water technology.

Schedule Description: This is the second in a sequence of three vocational math courses recommended for students currently enrolled in water technology course(s). The course includes the pound formula and the rate of flow equation used in solving problems commonly encountered in water technology.

Effective Date: FA10

Rationale: As a condition of employment, water operators are required to pass the State of California licensing examination. Twenty five to thirty percent of the test questions on licensing exams are math based. This course is one of the three one-unit courses which will help students who are struggling in class to quickly acquire the math skills they need to succeed in the course they have enrolled in.

Curriculum Meetings: 01-26-09; 03-23-09; 04-13-09

Conjoint Meeting: 04-17-09

Board of Trustees Meeting: May 14, 2009

NEW COURSE

Division: Science
Department: WATER SUPPLY TECHNOLOGY
Course ID: WST 052C
Course Title: Water Technology Math III
Units: 1
Lecture: 1 contact hour(s) per week
16 - 18 contact hours per semester

Prerequisite: WST 052B or eligibility for MATH 090 as determined by the SBVC assessment process

Catalog Description: This is the last in a sequence of three vocational math courses recommended for students currently enrolled in water technology course(s). The course includes calculations to prepare standard solutions of known concentration, to blend and dilute water, and to set up chemical feed systems in treatment processes.

Schedule Description: This is the last in a sequence of three vocational math courses recommended for students currently enrolled in water technology course(s). The course includes calculations to prepare standard solutions of known concentration, to blend and dilute water, and to set up chemical feed systems in treatment processes.

Effective Date: FA10

Rationale: As a condition of employment, water operators are required to pass the State of California licensing examination. Twenty five to thirty percent of the test questions on licensing exams are math based. This course is one of the three one-unit courses which will help students who are struggling in class to quickly acquire the math skills they need to succeed in the course they have enrolled in.

Division: Science
Department: WATER SUPPLY TECHNOLOGY
Course ID: WST 063
Course Title: Water Distribution III
Units: 3
Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: WST 062

Departmental Advisory: WST 052 or WST 052B

Catalog Description: This advanced level course prepares students for work in a highly skilled or supervisory position in the operation of a water distribution system. It includes the Expected Range of Knowledge (ERK) required for the California Department of Public Health (CDPH) water distribution exam at D4 and D5 levels. Successful completion of this course fulfills the requirements for specialized training covering fundamentals of water supply principles required to apply for CDPH D4 examination.

Schedule Description: This advanced level course prepares students for California Department of Public Health (CDPH) D4 and D5 license exams. Successful completion of this course fulfills the training required to apply for CDPH D4 examination.

Effective Date: FA10

Rationale: CDPH offers five levels of licensing for water distribution operators - D1, D2, D3, D4 and D5. We offered two courses which did not align properly with the licensing requirements. The material required for higher level licensing was not covered and students had to go to private tutoring companies in order to pass the D4 and D5 licensing exams. This new course covers the material typically required to get the state license at D4 and D5 levels.

Curriculum Meetings: 01-26-09; 03-23-09; 04-13-09

Conjoint Meeting: 04-17-09

Board of Trustees Meeting: May 14, 2009

NEW COURSE

Division: Science
Department: WATER SUPPLY TECHNOLOGY
Course ID: WST 072
Course Title: Water Treatment II
Units: 3
Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: WST 071

Departmental Advisory: CHEM 110 and WST 052C

Catalog Description: This intermediate level course prepares students for apprenticeship or entry level position in the field of water treatment. The course covers the Expected Range of Knowledge (ERK) required to pass the California Department of Public Health (CDPH) water treatment examination at T2 level. Successful completion of this course fulfills the specialized training, covering fundamentals of water supply principles, required to apply for CDPH T3 and D3 examination.

Schedule Description: This intermediate level course prepares students for apprenticeship or entry level position in the field of water treatment. It prepares students for California Department of Public Health (CDPH) T2 license exam. Successful completion of this course fulfills the training required to apply for CDPH T3 and D3 examination.

Effective Date: FA10

Rationale: This course will cover the material which is found in California Department of Public Health T2 level examination. This course will help students obtain the treatment 2 license.

Division: Science
Department: WATER SUPPLY TECHNOLOGY
Course ID: WST 073
Course Title: Water Treatment III
Units: 3
Lecture: 3 contact hour(s) per week
48 - 54 contact hours per semester

Prerequisite: WST 072

Departmental Advisory: WST 052 or WST 052C

Catalog Description: This advanced level course prepares students for journeyman level plant operator in the field of water treatment. The course covers the Expected Range of Knowledge (ERK) required to pass the California Department of Public Health (CDPH) water treatment examination at T3 and T4 level. Successful completion of this course fulfills the requirements for specialized training covering fundamentals of water supply principles required to apply for CDPH T4 and D4 examination.

Schedule Description: This advanced level course prepares students for California Department of Public Health (CDPH) T3 and T4 license exams. Successful completion of this course fulfills training required to apply for CDPH T4 and D4 examination.

Effective Date: FA10

Rationale: Two treatment courses (WST 142 and WST 143) are being replaced by three courses (WST 071, WST 072 and WST 073). This new course is needed to prepare students for higher level licensing exam.

Curriculum Meetings: 01-26-09; 03-23-09; 04-13-09

Conjoint Meeting: 04-17-09

Board of Trustees Meeting: May 14, 2009

MODIFIED COURSES

COURSE ID	COURSE TITLE
ENGL 055	CHILDREN'S LITERATURE

Prerequisite: ENGL 914 or eligibility for ENGL 015 as determined by SBVC assessment process.

Catalog Description: This survey course focuses on literature written for children with an emphasis on values common to all significant literature. This non-transfer course is taught simultaneously with ENGL 155, a transfer-level course. Assignments differ for the two courses although students participate in the same lectures.

Schedule Description: This survey course focuses on literature written for children with an emphasis on values common to all significant literature. This non-transfer course is taught simultaneously with ENGL 155, a transfer-level course. Assignments differ for the two courses although students participate in the same lectures.

Effective Date: FA10

Rationale: Content Review; added prerequisite to align with Title 5 requirements.

COURSE ID	COURSE TITLE
ENGL 063	CHICANO LITERATURE

Prerequisite: ENGL 914 or eligibility for ENGL 015 as determined by the SBVC assessment process.

Catalog Description: This course covers a representative survey of Chicano literature, including novels, drama, poetry, and essays which focus on the cultural, social, and political developments and themes that shape and characterize Chicano culture and literary expression. This non-transfer course is taught simultaneously with ENGL 163, a transfer-level course. Assignments differ for the two courses although students participate in the same lectures.

Schedule Description: This course covers a representative survey of Chicano literature, including novels, drama, poetry, and essays which focus on the cultural, social, and political developments and themes that shape and characterize Chicano culture and literary expression. This non-transfer course is taught simultaneously with ENGL 163, a transfer-level course.

Effective Date: FA10

Rationale: Content Review; added prerequisite to align with Title 5 requirements.

COURSE ID	COURSE TITLE
ENGL 155	CHILDREN'S LITERATURE

Prerequisite: ENGL 101 or ENGL 101H

Catalog Description: This survey course focuses on literature written for children with emphasis on values common to all significant literature. This transfer course is taught simultaneously with English 055, a non-transfer course. Assignments differ for the two courses although the students participate in the same lectures.

Schedule Description: This survey course focuses on literature written for children with emphasis on values common to all significant literature. This transfer course is taught simultaneously with English 055, a non-transfer course. Assignments differ for the two courses although the students participate in the same lectures.

Effective Date: FA10

Rationale: Content Review; added Honors course prerequisite.

Curriculum Meetings: 01-26-09; 03-23-09; 04-13-09

Conjoint Meeting: 04-17-09

Board of Trustees Meeting: May 14, 2009

MODIFIED COURSES

COURSE ID	COURSE TITLE
ENGL 163	CHICANO LITERATURE

Prerequisite: ENGL 101 or ENGL 101H

Catalog Description: This course covers a representative survey of Chicano literature, including novels, drama, poetry, and essays which focus on the cultural, social, and political developments and themes that shape and characterize Chicano culture and literary expression. This transfer course is taught simultaneously with ENGL 063, a non-transfer-level course. Assignments differ for the two courses although students participate in the same lectures.

Schedule Description: This course covers a representative survey of Chicano literature, including novels, drama, poetry, and essays which focus on the cultural, social, and political developments and themes that shape and characterize Chicano culture and literary expression. This transfer course is taught simultaneously with ENGL 063, a non-transfer-level course.

Effective Date: FA10

Rationale: Content Review; added Honors course prerequisite.

COURSE ID	COURSE TITLE
FCS 260	MODIFIED DIETS

Course ID: FCS 060

Catalog Description: This course concentrates on the principles of nutrition in order to provide modified diets for individuals with a variety of health care conditions. The focus is on the rationale for the diet and how the modifications improve a person's overall well being. (Formerly FCS260)

Schedule Description: This course concentrates on the principles of nutrition in order to provide modified diets to improve the well being of individuals with a variety of health care conditions. (Formerly FCS260)

Transfer Status: Non-Transferrable

Effective Date: FA10

Rationale: Content Review; renumber to non-transferrable.

COURSE ID	COURSE TITLE
FCS 264	NUTRITION MANAGEMENT

Course ID: FCS 064

Catalog Description: The focus of this course is on the management of a dietetic facility. It includes the development of policies, protocols and procedures for organizing, staffing and training, as well as the promotion of sound financial planning and a cost control system. (Formerly FCS 264)

Schedule Description: The focus of this course is on the management of a dietetic facility. It includes the development of policies, protocols and procedures for organizing, staffing and training, as well as the promotion of sound financial planning and a cost control system. (Formerly FCS 264)

Transfer Status: Non-Transferrable

Effective Date: FA10

Rationale: Content Review; renumber to non-transferrable.

Curriculum Meetings: 01-26-09; 03-23-09; 04-13-09

Conjoint Meeting: 04-17-09

Board of Trustees Meeting: May 14, 2009

MODIFIED COURSES

COURSE ID	COURSE TITLE
MATH 115	IDEAS OF MATHEMATICS

Catalog Description: This transfer level course is designed for non-science majors and includes sets, propositional logic, inductive reasoning and applications, mathematical patterns, counting methods, and finite probability spaces.

Schedule Description: This transfer level course is designed for non-science majors and includes sets, propositional logic, inductive reasoning and applications, mathematical patterns, counting methods, and finite probability spaces.

Effective Date: FA10

Rationale: Content Review; update catalog and schedule descriptions.

COURSE ID	COURSE TITLE
POLIT 139	COMMUNITY LEADERSHIP

Title: Service Learning: Community Leadership

Catalog Description: This course is a service learning course designed for the development of leadership skills through participation in community affairs on the federal, state, and local levels. The topics covered include street-level politics, coalition-building, direct and indirect lobbying, mass media communications, multicultural relations, legal requirements, and other aspects of civic involvement.

Schedule Description: This course is a service learning course designed for the development of leadership skills through participation in community affairs on the federal, state, and local levels. The topics covered include street-level politics, coalition-building, direct and indirect lobbying, mass media communications, multicultural relations, legal requirements, and other aspects of civic involvement.

Effective Date: FA09

Rationale: Content Review; change title; update catalog and schedule descriptions.

COURSE ID	COURSE TITLE
REFRIG 198	REFRIGERATION AND AIR CONDITIONING WORK EXPERIENCE

Course ID: REFRIG 098

Course Title: Refrigeration 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. Students work 5-20 hours per week to earn units using the following formula: For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 courses. Students MUST be working for pay or volunteer before registering for a Work Experience class. NOTE: Only one section of Work Experience may be taken during a semester. (Formerly REFRIG 198)

Schedule Description: Supervised training, in the form of on the job employment will enhance the student's knowledge in the selected field of study. The student's major and job must match. Students work 5-20 hours per week to earn units using the following formula: For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 courses. Students MUST be working for pay or volunteer before registering for a Work Experience class. NOTE: Only one section of Work Experience may be taken during a semester. (Formerly REFRIG 198)

Transfer Status: Non-Transferrable

Effective Date: FA10

Rationale: Content Review; renumber to non-transferrable.

Curriculum Meetings: 01-26-09; 03-23-09; 04-13-09

Conjoint Meeting: 04-17-09

Board of Trustees Meeting: May 14, 2009

MODIFIED COURSES

COURSE ID	COURSE TITLE
RM 198	RESTAURANT MANAGEMENT WORK EXPERIENCE

Course ID: CULART 098

Course Title: Culinary Arts 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. Students work 5-20 hours per week to earn units using the following formula: For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 courses. Students MUST be working for pay or volunteer before registering for a Work Experience class. NOTE: Only one section of Work Experience may be taken during a semester. (Formerly RM 198)

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. Students work 5-20 hours per week to earn units using the following formula: For paid work, 75 hours = 1 unit; for volunteer work, 60 hours = 1 unit. Students may earn a total of 16 units toward graduation in Work Experience 098 courses. Students MUST be working for pay or volunteer before registering for a Work Experience class. NOTE: Only one section of Work Experience may be taken during a semester. (Formerly RM 198)

Transfer Status: Non-Transferrable

Effective Date: FA10

Rationale: Content Review; reflect change from RM to CULART; renumber to non-transferrable.

COURSE ID	COURSE TITLE
WST 050	WATER TECHNOLOGY MATHEMATICS

Course ID: WST 052

Course Title: Water Technology Math

Prerequisite: MATH 942 or eligibility for MATH 952 as determined by SBVC assessment process

Departmental Advisory: None

Catalog Description: This vocational math course is recommended for students who are currently enrolled in water technology course(s). The course includes math required to solve problems commonly encountered in water technology. (Formerly WST 050)

Schedule Description: This vocational math course is recommended for students who are currently enrolled in water technology course(s). The course includes math required to solve problems commonly encountered in water technology. (Formerly WST 050)

Transfer Status: Non-Transferrable

Effective Date: FA10

Rationale: Content Review; renumber for sequencing of courses.

Curriculum Meetings: 01-26-09; 03-23-09; 04-13-09

Conjoint Meeting: 04-17-09

Board of Trustees Meeting: May 14, 2009

MODIFIED COURSES

COURSE ID	COURSE TITLE
WST 140	WATER UTILITIES DISTRIBUTION I

Course ID: WST 061

Course Title: Water Distribution I

Prerequisite: MATH 942 or eligibility for MATH 952 as determined through SBVC assessment process

Departmental Advisory: WST 052A or WST 052

Catalog Description: This introductory 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 California Department of Public Health (CDPH) water distribution exam 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 CDPH D2 examination. (Formerly WST 140)

Schedule Description: This introductory course in water distribution covers the configuration, operation and maintenance of a water distribution system. It prepares students for California Department of Public Health (CDPH) D1 and D2 license exams. Successful completion of this course fulfills training required to apply for CDPH D2 examination. (Formerly WST 140)

Transfer Status: Non-Transferrable

Effective Date: FA10

Rationale: Content Review; renumber for sequencing of courses.

COURSE ID	COURSE TITLE
WST 141	WATER UTILITIES DISTRIBUTION II

Course ID: WST 062

Course Title: Water Distribution II

Prerequisite: WST 061

Departmental Advisory: WST 052

Catalog Description: This intermediate level course prepares students for apprentice or journey person positions in the field of water distribution. The course covers the Expected Range of Knowledge (ERK) required to pass California Department of Public Health (CDPH) water distribution examination at D3 level. Successful completion of this course fulfills the requirements for specialized training covering the fundamentals of water supply principles required to apply for CDPH D3 examination (Formerly WST 141).

Schedule Description: This intermediate level course prepares students for apprentice or journey person positions in the field of water distribution. It prepares students for California Department of Public Health (CDPH) D3 license exam. Successful completion of this course fulfills training required to apply for CDPH D3 examination (Formerly WST 141).

Transfer Status: Non-Transferrable

Effective Date: FA10

Rationale: Content Review; renumber for sequencing of courses.

Curriculum Meetings: 01-26-09; 03-23-09; 04-13-09

Conjoint Meeting: 04-17-09

Board of Trustees Meeting: May 14, 2009

MODIFIED COURSES

COURSE ID	COURSE TITLE
WST 142X2	WATER QUALITY AND BASIC DOMESTIC WATER TREATMENT

Course ID: WST 071

Course Title: Water Treatment I

Prerequisite: MATH 942 or eligibility for MATH 952 as determined by SBVC assessment process

Departmental Advisory: WST 052 or WST 052C and WST 061

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 Department of Public Health (CDPH) water treatment examination at T1 level. Successful completion of this course fulfills the requirements for specialized training covering drinking water treatment required to apply for CDPH T2 examination. (Formerly WST 142X2)

Schedule Description: This introductory course includes processes required to treat source water into potable water. It prepares students for California Department of Public Health (CDPH) T1 license exams. Successful completion of this course fulfills the training required to apply for CDPH T2 examination. (Formerly WST 142X2)

Transfer Status: Non-Transferrable

Effective Date: FA10

Rationale: Content Review; renumber for sequencing of courses.

DISTRIBUTED EDUCATION

WST 052A	100% ONLINE
WST 052B	100% ONLINE
WST 052C	100% ONLINE
WST 061	100% ONLINE
WST 062	100% ONLINE
WST 063	100% ONLINE
WST 071	100% ONLINE
WST 072	100% ONLINE
WST 073	100% ONLINE

Effective Date: FA10

Rationale: 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 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

Curriculum Meetings: 01-26-09; 03-23-09; 04-13-09

Conjoint Meeting: 04-17-09

Board of Trustees Meeting: May 14, 2009

DISTRIBUTED EDUCATION

MATH 115 100% ONLINE

Effective Date: FA10

Rationale: One of the planning themes of SBVC is "Access." That is, SBVC affirms the function of the Community College to create educational opportunities that are available and accessible to members of the community. At the present time, Math 102 is the only transfer level math class offered online. As such, it is the only class that fulfills a specific transfer requirement for both the CSUGE Breadth and the IGETC transfer packages. Including Math 115 as an option for students to fulfill this requirement will broaden the transfer options for our students. The online delivery of this class supports the mission of San Bernardino Valley College in that it provides access to education to a diverse community of learners.

DELETE COURSES

CRMJUS 025
CRMJUS 026
CRMJUS 027
CRMJUS 028
CRMJUS 032
CRMJUS 046
CRMJUS 073

CRMJUS 074X20
CRMJUS 076
POLICE 018
POLICE 027
POLICE 053
POLICE 081
POLICE 085
POLICE 098

Effective Date: FA09

Rationale: The Sheriff's department, our partner in offering these courses, will no longer be presenting the above courses as college classes.

ELECTR 158

Effective Date: FA09

Rationale: This course is no longer part of the Computer Engineering certificate and degree program.

FCS 262

Effective Date: FA09

Rationale: FCS 066 and FCS 067 replace FCS 262.

Curriculum Meetings: 01-26-09; 03-23-09; 04-13-09

Conjoint Meeting: 04-17-09

Board of Trustees Meeting: May 14, 2009

DELETE COURSES

RM 111X2

RM 298

RM 299

Effective Date: FA09

Rationale: Restaurant Management program was revamped and replaced with Culinary Arts program. The courses listed above are no longer required for the new certificates and degree.

Curriculum Meetings: 01-26-09; 03-23-09; 04-13-09

Conjoint Meeting: 04-17-09

Board of Trustees Meeting: May 14, 2009

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COMPUTER ENGINEERING TECHNOLOGY A.S. Degree

To graduate with a specialization in Computer Engineering Technology, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units).

REQUIRED COURSES:

		Units
ELEC 217C	Industrial Electricity	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
ELECTR 280C	Computer Operation and Maintenance	4
TECALC 087	Technical Calculations	4

Total Units **42**

Effective Date: FA10

Rationale: To reflect the course numbers change from B to C; delete ELECTR 158.

Water Distribution Certificate

A mini-certificate in water distribution which prepares students for entry level positions as Water Distribution Operators. Some of the work done by distribution operators is as follows: read meters, repair pipelines, connect/disconnect service to consumers, maintain fire hydrants, pumps, storage facilities and other appurtenances.

		Units
WST 052	Water Technology Math	3
	or	
WST 052A	Water Technology Math I	1
	and	
WST 052B	Water Technology Math II	1
	and	
WST 052C	Water Technology Math III	1
	or	
Eligibility for MATH 090 as determined by SBVC assessment process		
	and	
WST 061	Water Distribution I	3
WST 062	Water Distribution II	3
WST 063	Water Distribution III	3

Total Units

9 - 12

Effective Date: FA10

Rationale: Most entry level employment in water utilities is in the area of Water Distribution. This mini-certificate would provide an avenue to enter the field of Water Technology. The Water Supply Technology Occupational Advisory Board recommended a series of mini-certificates with emphasis on special areas within water supply technology. This certificate emphasizes skills required of a Water Distribution Operator.

Curriculum Meetings: 01-26-09; 03-23-09; 04-13-09

Conjoint Meeting: 04-17-09

Board of Trustees Meeting: May 14, 2009

Water Treatment Certificate

This is a mini-certificate in water treatment which prepares the students for an entry level position in water treatment plants.

		Units
CHEM 110	Environmental and Consumer Chemistry	3
WST 052	Water Technology Math	3
	or	
WST 052A	Water Technology Math I	1
	and	
WST 052B	Water Technology Math II	1
	and	
WST 052C	Water Technology Math III	1
	or	
Eligibility for MATH 090 as determined by SBVC assessment process		
	and	
WST 071	Water Treatment I	3
WST 072	Water Treatment II	3
WST 073	Water Treatment III	3

Total Units

12 - 15

Effective Date: FA10

Rationale: This mini-certificate would provide an avenue to enter the field of water treatment. The Water Supply Technology Occupational Advisory Board recommended a series of mini-certificates with emphasis on special areas within water supply technology. This certificate emphasizes skills required of a Water Treatment Operator.

Curriculum Meetings: 01-26-09; 03-23-09; 04-13-09

Conjoint Meeting: 04-17-09

Board of Trustees Meeting: May 14, 2009

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COMPUTER ENGINEERING TECHNOLOGY Certificate

This certificate is designed to provide students with the fundamentals of electronics technology as it applies to computer engineering. The curriculum prepares students for entry-level positions in computer maintenance, installation, field service, networking, and apprenticeship in the field of computer engineering technology. Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

REQUIRED COURSES:		Units
ELEC 217C	Industrial Electricity	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
ELECTR 280C	Computer Operation and Maintenance	4
TECALC 087	Technical Calculations	4
Total Units		42

Effective Date: FA10

Rationale: To reflect the course numbers change from B to C; delete ELECTR 158.

Curriculum Meetings: 01-26-09; 03-23-09; 04-13-09

Conjoint Meeting: 04-17-09

Board of Trustees Meeting: May 14, 2009

Food Preparation Certificate

The Food Preparation Certificate is designed to prepare students for entry-level employment in food preparation. Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

REQUIRED COURSES:

		Units
CULART 010X4	Culinary Arts Internship	5.5 - 6
CULART 020	Catering and Banquets I	5
CULART 030X2	Catering and Banquets II	2 - 5.5
CULART 040	Introduction to Baking	3.5
CULART 101	Introduction to Culinary Arts	3
CULART 160	Introduction to Foods	3
CULART 161	Quantity Food Preparation	3
CULART 225	Sanitation and Safety	3
CULART 240	Procurement, Purchasing and Selection	3

Total Units **31 - 35**

Students must take CULART 010X4 for a minimum of 5.5 credits

Effective Date: FA10

Rationale: To reflect change from RM to CULART.

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. Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

REQUIRED COURSES:		Units
BUSAD100	Introduction to Business	3
CULART101	Introduction to Culinary Arts	3
CULART160	Introduction to Foods	3
CULART161	Quantity Food Preparation	3
CULART201	Culinary and Hospitality Management	3
CULART225	Sanitation and Safety	3
CULART235	Menu Planning Principles	3
CULART240	Procurement, Purchasing and Selection	3
CULART250	Food, Wine and Beverage Service Concepts	3
CULART275	Food, Beverage and Labor Cost Control	3
<hr/> Total Units		30

Effective Date: FA10

Rationale: To reflect change from RM to CULART.

Curriculum Meetings: 01-26-09; 03-23-09; 04-13-09

Conjoint Meeting: 04-17-09

Board of Trustees Meeting: May 14, 2009

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