Berkeley City College
Bridge to Community Health Worker Careers

Overview

College	BCC - Liberal Arts and Social Sciences
Originator	Thomas Kies
Award Type	Certificate of Completion

Description

The bridge to community health worker careers certificate is a 96 hour non-credit certificate option designed for students who plan to pursue a career as a community health worker (CHW). The certificate enables students to gain exposure to various career options as a community health worker and will develop skills necessary to enter volunteer/internship positions or paraprofessional employment in the field. Many students will wish to continue their education through Berkeley City College's Social Work and Human Services credit certificate program and or a variety of Associate Degrees for Transfer (Psychology, Sociology, etc.).

Career Opportunities

Entry-level paraprofessional/volunteer positions as a community health worker in positions such as: Community Health Worker Family Advocate or Support Worker Community Health Advocate or Aide Peer Counselor or Educator Public Health Aide Social Worker Assistant Street Outreach Worker Wellness Ambassador Women's Health Advocate Youth Worker

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Explain the career opportunities as a community health worker

2. Demonstrate skills for entry-level placement in volunteer or internship opportunities

3. Determine a successful pathway to reach career goals as a community health worker

Degree Requirements:

HUSV 500A   **Credit Hours:**

HUSV 500B   **Credit Hours:**

Berkeley City College
Communication Studies

Overview

College	BCC - Liberal Arts and Social Sciences
Originator	Cora Leighton
Award Type	AA-T Degree

Codes and Dates

State Approval Date	4/01/2013
Curriculum Committee Approval Date	4/18/2013
Board of Trustees Date	5/14/2013
Program Control Number	32530
Top Code	1506.00 - Speech and Rhetorical Studies
CIP Code	23.1000: Speech and Rhetorical Studies.

Description

The Associate in Arts in Communication for Transfer Degree is designed to prepare students to complete the baccalaureate degree in communication upon transferring into the CSU system. Communication skills are essential to forming and maintaining personal relationships, acquiring and excelling in a job, and relating to the world around us. Through the study and practice of interpersonal, professional, and intercultural communication skills, students will learn how their perceptions and self-esteem affect their interactions with others. Beyond this, students will improve their abilities to speak, write, and present information effectively, whether in face-to-face interactions or in public or mass-media settings. Students who successfully complete the AA-T in Communication Studies earn specific guarantees for transfer to the CSU system: admission to a CSU with junior status and priority admission to their local CSU campus and to a program or major in communication studies or a similar major. Students transferring to a CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. Students are required to complete 60 semester units that are eligible for transfer to a California State University, including both of the following: (1) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements and (2) 18-19 semester units with a grade of C or P or better in the major and an overall minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework. See page XX for a more detailed description of Associate Degrees for Transfer. Students are advised to consult with a Berkeley City College counselor for additional information and to verify transfer requirements.

Career Opportunities

N/A

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Use speaking and listening skills to resolve conflict and get their messages across as intended in interpersonal, small group, and organizational dynamics.
2. Deliver presentations that are clear in content, structure, and delivery.
3. Research and analyze the influence and impact of mass media and culture on society.

Degree Requirements:

Complete the following core requirement courses:		**Credit Hours:** (0 Required)
COMM 005	Persuasion and Critical Thinking	3
COMM 020	Interpersonal Communication Skills	3

COMM 045	Public Speaking	3

List A--Select two of the following courses: **Credit Hours:** (0 Required)

COMM 003	Introduction to Human Communication	3
COMM 004	The Dynamics of Group Discussion	3
COMM 006	Intercultural Communication	3
COMM 019	Survey of Mass Media	3

List B--Select one of the following courses: **Credit Hours:** (0 Required)

ANTHR 003	Introduction to Social and Cultural Anthropology	3
COMM 010	Gender and Communication	3
ENGL 001B	Composition and Reading	4
ENGL 005	Critical Thinking in Reading and Writing	3
PSYCH 001A	Introduction to General Psychology	3
SOC 001	Introduction to Sociology	3

Unit Calculation: **Credit Hours:** (60 Required)

Total Units Required for the Major	18 - 19
Total units that may be double-counted	9 - 15
General Education (CSU GE or IGETC) Units	37 - 39
Elective (CSU Transferable) Units	11 - 20
Total Degree Units	60

TWO-YEAR COURSE SEQUENCE BEGINNING IN THE FALL SEMESTER   **Credit Hours:**

1st Semester/Fall   **Credit Hours:** (0 Required)

COMM 020	Interpersonal Communication Skills	3
General Education and Electives		12
Total Units 1st Semester/Fall		15

2nd Semester/Spring   **Credit Hours:** (0 Required)

COMM 006	Intercultural Communication	3
COMM 045	Public Speaking	3
General Education and Electives		9
Total Units 2nd Semester/Spring		15

3rd Semester/Fall   **Credit Hours:** (0 Required)

COMM 003	Introduction to Human Communication	3
PSYCH 001A	Introduction to General Psychology	3
General Education and Electives		9
Total Units 3rd Semester/Fall		15

4th Semester/Spring   **Credit Hours:** (0 Required)

COMM 005	Persuasion & Critical Thinking	3
General Education and Electives		12

Total Units 4th Semester/Spring   15

Total: 60

Berkeley City College
History

Overview

College	BCC - Liberal Arts and Social Sciences
Originator	Timothy Rose
Award Type	AA-T Degree

Codes and Dates

State Approval Date	1/03/2017
Curriculum Committee Approval Date	9/01/2016
Board of Trustees Date	1/26/2016
Current Effective Date	1/01/2017
Program Control Number	32292
Top Code	2205.00 - History, General
CIP Code	54.0000: HISTORY.

Description

The Associate in Arts for Transfer Degree (AA-T) in History is designed to provide students with an understanding of a diverse array of societies and how the historical process informed the content of world culture. Through the course work associated with the History AA-T, students will address questions of identity, knowledge, consciousness, intelligibility, communication, and meaning as they compass the broad disciplinary terrain of history. Students who successfully complete the AA-T in History earn specific guarantees for transfer to the CSU system: admission to a CSU with junior status and priority admission to their local CSU campus and to a program or major in History or a similar major. Students transferring to a CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. Students are required to complete 60 semester units that are eligible for transfer to a California State University, including both of the following: (1) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements and (2) 18-20 semester units with a grade of C or P or better in the major and an overall minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework. See page XX for a more detailed description of Associate Degrees for Transfer. Students are advised to consult with a Berkeley City College counselor and/or the Social Sciences Department Chair for additional information and to verify transfer requirements.

Career Opportunities

N/A

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate knowledge of the historical process within particular fields of history and effectively link historical cause and effect
2. Apply historical methodology and critical thinking in order to analyze primary and secondary sources and historical arguments
3. Interpret the diverse historical forces which have shaped the past and inform the content of the present

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Degree Requirements:

Required Courses		Credit Hours: (0 Required)
HIST 007A	History of the United States to 1877	3
HIST 007B	History of the United States Since 1865	3

List A—Select 6 units from the following: **Credit Hours:** (0 Required)

HIST 002A and	History of European Civilization	3
HIST 002B or	History of European Civilization	3
HIST 003A and	World History to 1500	3
HIST 003B	Modern World History: 1500-Present	3

List B—Select 3 units from the following: **Credit Hours:** (0 Required)

HIST 001	American Indian History and Culture	3
HIST 008B	History of Latin-American Civilization	3
HIST 021	U.S. Women: A Social History	3
HIST 031	Contemporary Middle East: Politics of Nationalism	3

List C—Select 3 units from the following: **Credit Hours:** (0 Required)

ART 001	Introduction to Art History	3
ETHST 001	Introduction to Ethnic Studies	3
HIST 019	History of California	3
HIST 032	The United States Since 1945	3
WS 001	Introduction to Women's Studies	3

Unit Calculation   **Credit Hours:** (60 Required)

Total Units for the Major	18
Total Units that may be double-counted	3 - 6
General Education (CSU GE or IGETC) Units	37 - 39
Elective (CSU Transferable) Units	6 - 11
Total Degree Units	60

Total: 60

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Laney College
Av Installation Technician

Overview

College   Laney - Humanities, Social Sciences
Originator   Pinar Alscher
Award Type   Certificate of Proficiency

Description

AV installation skills for entry level jobs: Video production and systems, audio production and systems, AV essentials including rack building and cabling, control and connectivity, signal flow, troubleshooting, IP connectivity and customer relations

Career Opportunities

Career opportunities are available in schools and universities, government, the military, corporations, healthcare, legal, retail, museums, churches, sports arenas, entertainment, and transportation. All these organizations require AV technicians, to install, maintain, repair and troubleshoot their facilities. Current AV technicians can also advance in their field, finding employment as audiovisual managers or audiovisual specialists.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Employ the fundamentals of AV technology used in current industry best practices

2. Practice team cooperative skills in performance of AV installation

3. Test, troubleshoot and repair AV systems

Degree Requirements:

Required Courses   **Credit Hours:** (17 - 20 Required)

Course	Title	Credits
MEDIA 104	Beginning Digital Video Production	3
MEDIA 111	Basic Audio Production	3
MEDIA 115	Media-based Computing: iLife and Mac OS X	3
MEDIA 121	Event Videography: Sports Video Production	3
MEDIA 160	AudioVisual Essentials I	2
MEDIA 161	AudioVisual Essentials II	2
MEDIA 460B	AV Work Experience	1 - 4

Total: 17.00 - 20.00

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Merritt College
Cisco Certified Network Associate (CCNA)

Overview

College	Merritt - Division II
Originator	Courtney Brown
Award Type	Certificate of Achievement

Description

The Cisco Certified Network Associate (CCNA) certification is the second level of Cisco's five-level career certification process. A CCNA certification certifies a technician's ability to install, set up, configure, troubleshoot and operate a medium-sized routed and switched computer network. Students completing this certificate program will be qualified for employment in entry-level positions in network administration and be able to prepare for the Cisco Certified Network Associate (CCNA) certification exam.

Career Opportunities

This certificate prepares students for careers as Computer User Support Specialists, Computer Network Support Specialists, Network and Computer Systems Administrators, Computer Systems Analysts, and Information Security Analysts.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Select appropriate network architecture and choose components to implement its structure and functions.
2. Select the appropriate protocol and components for secure network operations.
3. Analyze network throughput and apply appropriate methods to achieve performance objectives.

Degree Requirements:

Required for Certificate   **Credit Hours:** (19 Required)

CIS 052 and	Cloud Security Fundamentals	3
CIS 072 and	Systems and Network Administration	3
CIS 073 and	Networking Concepts	4
CIS 106A and	Routing and Switching Networks	3
CIS 106B and	Scaling Networks	3
CIS 106C	Connecting Networks	3

Total: 19

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Merritt College
Human Services

Overview

College	Merritt - Division I
Originator	Christine Olsen
Award Type	Certificate of Proficiency

Codes and Dates

Curriculum Committee Approval Date	2/12/2015
Top Code	2104.00 - Human Services, General*

Description

The Human Services program serves those who wish to train for a career in the Human Services field, those who are currently employed in the field, and those who seek training for career advancement. The program introduces the student to lifespan human care issues to include theory and practice for services from infant to elder care populations identified in need of specific, trained interventions. The historical, legal, and ethical issues of human services are covered, as well as characteristics of special conditions and disabilities that affect infants, children, adults and elders and the agencies and institutions that provide services to these groups. The program covers current practices in the human services field and trains the student in a wide range of competencies required to work in the field to include an introduction to counseling and intervention skills and case management, and how to serve a multi-ethnic, culturally-diverse client population. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student's transcript.

Degree Requirements:

Certificate of Proficiency Requirements: **Credit Hours:** (14 - 17 Required)

HUSV 050	Introduction to Human Services	3
HUSV 051	Introduction to Counseling Skills for Paraprofessionals	3
HUSV 052	Introduction to Case Management for Paraprofessionals	3
HUSV 053	Diversity in Human Services	3
HUSV 058	Seminar in Human Services	1
HUSV 059	Occupational Work Experience in Human Services	1 - 4

Total: 14.00 - 17.00

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Merritt College
Humanities

Overview

College   Merritt - Division I
Originator   Ann Elliott
Award Type   A.A. Degree

Codes and Dates

Curriculum Committee Approval Date   2/12/2015
Top Code   1599.00 - Liberal Arts and Sciences, General Studies and Humanities

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Description

These courses emphasize the study of cultural, literary, humanistic activities and artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation. Students will also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments. Courses from Anthropology, Art, Ethnic Studies, English and Foreign Languages, Humanities, Music, and Philosophy are acceptable. Major emphasis is put on an understanding of humanistic and cultural activities of human beings, including language facility, in this pattern. The AA degree in Humanities will prepare students for majors at four-year institutions in language arts, humanities, fine arts or music, among others.

The AA Degree in Humanities will be awarded upon satisfactory completion of the Degree course requirements and the General Education requirements. Since the following degree courses appear on the General Education Course List, they may be used to meet both the degree and the General Education requirements, provided that the total is 37 or more units. A course may be used one time for the degree and one time only for the General Education requirements, even though the course may be listed in several category areas.

The Humanities AA Degree is designed for students who wish a broad knowledge of liberal arts and sciences plus additional coursework in an "Area of Emphasis," in this case, the Humanities. This area of emphasis would be an ideal choice for students planning on transferring to the California State University or University of California as the student can satisfy their general education requirements, plus focus on transferable course work that relates to majors at CSU or UC. Please consult with a counselor for specific information regarding your intended major at the specific colleges/university of your choice.

• Choose either option CSUGE or IGETC for the General Education pattern related to your educational goal.
• Complete requirements in Computer Literacy and Ethnic Studies (see catalog for details).
• Complete 21-25 units in the "Area of Emphasis" outlined below. (Note: Courses in the "area of emphasis" may also be counted toward a GE area; those with an (*) are listed in more than one area but may not be counted in more than one area.)
• All courses listed below transfer to CSU. Many courses are also transferable to UC. Refer to www.ASSIST.org for transfer details or see a counselor for additional details.

General Education CSUGE/IGETC: 37-39
(Minimum units necessary to meet CSUGE/IGETC
Certification requirements)

Area of Emphasis: 21-25
• 21-25 units required from the Area of Emphasis:
Humanities.*
• Courses selected can be used to also fulfill GE
areas.
• All courses below transfer to CSU. Many courses
are also transferable to UC.
*Also see the separate AA degrees offered in Natural
Sciences, and Social and Behavioral Sciences at
Merritt College.

Electives and Other Requirements (Computer
Literacy, Ethnic Studies): 0-2
(Note: Electives and other requirements may be
necessary to total 60 overall units required for
the Associate Degree.)

Total Required Units: 60

Degree Requirements:

Core Requirement:　　　　　　　　　　　　　　　　　**Credit Hours:** (3 Required)

HUMAN 002	Human Values	3

Group 1: Languages, Literature, and Values Select a minimum of 6-10 units from at least two disciplines from the follow

CHIN 001	Elementary Chinese (Mandarin)	0 - 5
CHIN 002	Elementary Chinese (Mandarin) (Continuation)	0 - 5
ENGL 001B	Composition and Reading *	4
ENGL 010A	Creative Writing *	0 - 3
ENGL 010B	Creative Writing *	0 - 3
ENGL 030A	Introduction to American Literature *	3
ENGL 030B	Introduction to American Literature *	3
ENGL 032A	Contemporary Women Writers *	0 - 3
ENGL 032B	Contemporary Women Writers *	0 - 3
ENGL 038	Lift Every Voice: Race, Class, and Gender in the United States *	3
ENGL 043	Introduction to the Study of Poetry *	3
ENGL 017A	Shakespeare *	0 - 3
PHIL 001	Introduction to Philosophy	3
PHIL 002	Social and Political Philosophy	3
PHIL 010	Logic	3
SPAN 001A	Elementary Spanish	5
SPAN 001B	Elementary Spanish	5
SPAN 002A	Intermediate Spanish	5
SPAN 002B	Intermediate Spanish	5
SPAN 031A	Intermediate Conversational Spanish	3
SPAN 031B	Intermediate Conversational Spanish	3
SPAN 038	Latin-American Literature	3
SPAN 040	Hispanic Civilization and Culture	3
SPAN 22A, 22B		

Group 2: Cultural Studies Select a minimum of 6 units from at least two disciplines from the following:

AFRAM 025	Classical African Civilizations *	3
AFRAM 027	Afro-Caribbean History, Politics, and Culture *	3
AFRAM 028	Survey of Third World through Films *1	3
AFRAM 041	African-American Writers (Fiction) *	3
AFRAM 042	African-American Writers (Non-Fiction) *	3
AFRAM 043	African-American Writers (Poetry) *	3
AFRAM 045	Religion and the African-American Church in America *	3
ANTHR 007	Magic, Religion and Witchcraft *	3
ANTHR 008	Anthropology through Film: Ethnographic Studies *	3
ASAME 030	Asians and Asian-Americans Through Films *	3
LANHT 55		
M/LAT 028	Survey of Third World through Films *1	3
M/LAT 30A, 30B		

Group 3: Arts Select a minimum of 6 units from at least two disciplines from the following Checd Hours (6 Required)

ART 001	Introduction to Art History	3
ART 004	History of Modern Art (1800 to Present)	3
ART 012	World Art: Visual and Historical Analysis	3
ART 015	California Art History, 1850-2000 *	3
ASAME 001	Art and Culture of Asia	3
MUSIC 009	Introduction to World Music	3
MUSIC 010	Music Appreciation	0 - 3
MUSIC 011	American Vernacular Music	3
MUSIC 15A		
MUSIC 19		

Total: 21.00 - 25.00

*: Note: Any foreign language course offered by College of
Alameda, Berkeley City and Laney Colleges, including
ASL 50 and 51, may be substituted for a Merritt College
foreign language course.
*1: Afram 28 is the same as M/Lat 28; maximum credit: one course.

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Merritt College
Ion Torrent DNA Sequencing

Overview

College   Merritt - Division III
Originator   Hank Fabian
Award Type   Certificate of Proficiency

Description

The Ion Torrent DNA Sequencing Certificate offers a unique opportunity to study DNA, which up to this point has been largely restricted to graduate programs at four year institutions. The central emphasis of this certificate is the mastery of sample preparation, operation, and analysis of DNA using the Ion Torrent Sequencer.

Career Opportunities

Laboratory Technician in either a facility that uses any Ion Torrent sequencer or as a laboratory technician in any facility where DNA is analyzed, with special emphasis in house short read assemblies, as well as medical genomics and pathogen analysis.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Prepare samples, operate all relevant devices, interpret data, and trouble shoot problems related to the Ion Torrent DNA Sequencer.

2. Design and complete an experiment using the Ion Torrent DNA Sequencer interpret findings and write a publishable report for an accredited scientific journal.

Degree Requirements:

Certificate of Proficiency   **Credit Hours:** (19 Required)

BIOSC 030	and	Genomics Theory	4
BIOSC 032	and	Good Laboratory Practices in Genomics	1
BIOSC 033	and	Research Design in Genomics	1
BIOSC 037	and	Principles of Long Polymerase Chain Reaction (PCR)	1
BIOSC 038	and	Real-Time Polymerase Chain Reaction (PCR)	2
BIOSC 040	and	DNA Shearing Techniques for Shotgun Sequencing in Genomics	3
BIOSC 041	and	Microfluidic Electrophoresis	1
BIOSC 060	and	Personalized (Desk-top) Sequencing	3
BIOSC 090		Internship in Genomics	3

Total: 19

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Merritt College
Nursing

Overview

College	Merritt - Division III
Originator	Dawn Williams
Award Type	A.S. Degree

Codes and Dates

Curriculum Committee Approval Date	2/12/2015
Board of Trustees Date	4/14/2015
Top Code	1230.10 - Nursing - Registered Nurse Training (RN, ASN, BSN, MSN)*

Description

The Associate Degree Nursing (ADN) program is approved by the California Board of Registered Nursing. This program is designed to prepare students for beginning positions in Registered Nursing. Upon successful completion of the program, students are eligible to take the state licensing examination for registered nurses. The course of study includes instruction in applied nursing sciences, related natural and social/behavioral sciences, and clinical nursing experience in hospitals and healthcare facilities located in the San Francisco Bay Area. The AS degree in Nursing will be awarded upon satisfactory completion of the Group A Prerequisite requirements, the Group B General Education/Graduation requirements, and the Group C Major course requirements. Applications are accepted each year from December 1 – March 1 for the class admitted the following Fall semester. All applications with supporting data (all transcripts, etc.) must be received no later than March 1. Applications may be hand-delivered or mailed to the Merritt College Associate Degree Nursing Program. Nonresident foreign students must first be cleared for admission through the International Student Advisor's Office. It is required that all students interested in the Nursing program see a counselor for guidance in preparation for the program and evaluation of prerequisites prior to applying. NO MATERIALS WILL BE ACCEPTED AFTER THE APPLICATION DEADLINE DATES. LATE OR INCOMPLETE APPLICATIONS WILL NOT BE CONSIDERED.

Eligibility/Admission Requirements:
1. The student must be a graduate of an accredited high school or have passed the GED test or equivalent.
2. All prerequisite courses in Group A must be completed before applying for admission into the program.
• Each Group A course must be completed with a grade of "C" or better (letter grade only) with an overall grade-point average (GPA) of 2.5 or better ("C-" is not acceptable).
• Anatomy, Physiology, and Microbiology courses must have been completed.
3. A recent (within 6 months) physical examination certifying good physical health must have been satisfactorily completed, criminal background check and drug screening at the student's own expense.
4. CPR (Basic Life Support) certification must be current within one year at the time of application and must remain current throughout the length of the program.
5. The student must have proof of a two part annual Tuberculosis (TB) screening.
6. Upon enrollment to the college, students should obtain an Initial Evaluation Request Form from the college's Admissions and Records Office for courses completed at all colleges or universities. Foreign transcripts must be sent to World Education Services for evaluation and Berlitz Translation Services for translation. Forms may be obtained from the Counseling Office.
7. Nonresident foreign students must see the International Student Advisor before applying.
8. Two sets of official transcripts from all colleges attended including the Peralta District must be on file. One set to the District Admission and Records Office, and one set to the Allied Health Department (D102) at Merritt.

Admission Criteria Effective as of Fall 2011:

The process by which students are admitted to the Associate Degree Nursing Program (ADN) changed for students applying for admission into the Program in Fall 2008 and subsequent terms. The Program adopted the Chancellor's Advisory Model Prerequisites for Enrollment in Associate Degree Nursing Program admission criteria. Students must complete all Group A prerequisites prior to applying to the ADN Program for admission. While it is highly recommended that students complete both Group A and Group B courses prior to entry into the ADN Program, admission into the ADN Program will be based upon the Chancellor's Advisory Model Prerequisites for Enrollment in the Associate Degree Nursing Program (Group A courses).

Admission will be

Career Opportunities

entry level Registered Nurse

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Apply principles of teaching, learning, and homeostasis when in a caregiving relationship with patient, family, and staff members.
2. With appropriate supervision, develop and implement safe and skillful nursing care for a group of patients.
3. Participate effectively as a member of a health care team by applying their knowledge of the nursing process.
4. Develop an awareness of him/herself as a person and as a practitioner with respect to his/her abilities, needs, motives culture, values and attitudes.

Degree Requirements:

Group A – Prerequisite Requirements: Credit Hours: (19 Required)
Eligibility/Admission Requirements:

BIOL 020A and	Human Anatomy and Physiology	5
BIOL 020B or	Human Anatomy and Physiology	5
BIOL 002 and	Human Anatomy	5
BIOL 004	Human Physiology	5
BIOL 003	Microbiology	5
ENGL 001A	Composition and Reading	4

Group B – General Education/Graduation Requirements: Although Group B (General Education (GE)/Graduation Requirements and can be completed prior to or after admission into the ADN Program, it is highly recommended that these courses be completed prior to admission into the program. Each Group B course must be completed with a grade of "C" or better (letter grade only) except for Ethnic Studies and Computer Literacy. "C-" is not acceptable. English 5 requires an additional Humanities course.

MATH 203	Intermediate Algebra	4
ENGL 001B or	Composition and Reading	4
ENGL 005	Critical Thinking in Reading and Writing	3
PSYCH 001A	Introduction to General Psychology	3
SOC 001 or	Introduction to Sociology	3
ANTHR 003	Introduction to Social and Cultural Anthropology	3
COMM 020	Interpersonal Communication Skills	3
Plus: Computer Literacy requirement		1
And: Ethnic Studies requirement		2

The minimum GE-unit requirement for the Associate Degree is 19 units; some of these requirements can be met by the Group A prerequisite courses. Computer Literacy and Ethnic Studies are degree requirements that are not required by the BRN for licensure.

Group C – Degree Major Requirements: The following courses are to be completed after admission into the ADN program. These courses must be completed with a grade of "C" or better (a 75% passing grade) in lecture and satisfactory clinical performance in each section of a course ("C-" is not acceptable):

NURS 001	Fundamentals in Nursing: Beginning Principles of Health Care	9
NURS 003A	Perinatal Nursing	4
NURS 003B	Pediatric Nursing	4
NURS 004A	Intermediate Medical-Surgical Nursing	4
NURS 004B	Psychiatric Nursing	4
NURS 005	Advanced Medical-Surgical Nursing: Disruption in Homeostasis	9
NURS 010	Leadership and Management	1
NURS 011	Ethics and Law	1
NURS 012	Calculation of Drug Dosages for Health Professionals	1
NURS 013	Pharmacology in Nursing	3
NURS 014	Nutrition and Diet Therapy in Nursing	2

Students with prior experience in the healthcare field, such as Licensed Vocational Nursing (LVN), may apply to challenge courses within the Nursing curriculum and seek advanced placement in the program. Contact the Allied Health Department for details. For written information regarding advanced placement, challenge by examination, transfer, or the 30-unit option (BRN Regulation, Section 2736.6), contact the Allied Health Department Office located in Building D, Room 102.

Note: Transfer-in or advanced-placement students will be admitted only on a space-available basis.

Total: 81.00 - 82.00

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Merritt College
Pacbio Genomic Sequencing

Overview

College	Merritt - Division III
Originator	Hank Fabian
Award Type	Certificate of Proficiency

Description

The Merritt College Genomics Program offers a unique opportunity to study DNA which, to date, has been largely restricted to core facilities and training in graduate programs in major universities. The central emphasis of this certificate is the mastery of sample preparation, operation, and analysis of DNA using the Pac Bio DNA Sequencer. This sequencer is particularly useful for long read DNA sequencing, which is applicable to de novo sequencing, analysis of repeat regions, and improving complex assemblies. There are many applications for medical genomics, pathogen analysis, pharmaceuticals, and agricultural experiments.

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Career Opportunities

Laboratory Technician in either a facility that uses the PacBio Sequencer or as a laboratory technician in any facility where DNA is analyzed, with special emphasis on de novo and long read sequencing as well as medical genomics, pathogen analysis and agricultural applications.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Prepare samples, operate all relevant devices, interpret data, and trouble shoot problems related to the Pac Bio DNA Sequencer.
2. Design and complete an experiment using the Pac Bio DNA Sequencer, interpret findings and paricipate in writing a report targeted for a peer-reviewed scientific journal.

Degree Requirements:

Certificate of Proficiency   **Credit Hours:** (19 Required)

BIOSC 030	and	Genomics Theory	4
BIOSC 032	and	Good Laboratory Practices in Genomics	1
BIOSC 038	and	Real-Time Polymerase Chain Reaction (PCR)	2
BIOSC 037		Principles of Long Polymerase Chain Reaction (PCR)	1
BIOSC 040	and	DNA Shearing Techniques for Shotgun Sequencing in Genomics	3
BIOSC 070	and	Single Molecule DNA Sequencing with the PacBio Sequencer	3
BIOSC 033	and	Research Design in Genomics	1
BIOSC 090	and	Internship in Genomics	3
BIOSC 041		Microfluidic Electrophoresis	1

Total: 19

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Merritt College
PC Applications Help Desk Specialist

Overview

College	Merritt - Division II
Originator	Guy Forkner
Award Type	Certificate of Proficiency

Codes and Dates

Curriculum Committee Approval Date	2/12/2015
Top Code	0702.10 - Data Entry/Microcomputer Applications, General*

Description

The PC Applications Help Desk Specialist program prepares students for entry-level positions in computer help-desk positions. Students completing this certificate will be able to assist clients or other employees in solving user problems with computer hardware, operating system, and software applications. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student's transcript.

Degree Requirements:

Certificate of Proficiency Requirements: **Credit Hours:** (21 Required)

BUS 005	Human Relations in Business	3
CIS 001	Introduction to Computer Information Systems	4
CIS 035	Microcomputer Operating Systems	4
CIS 201	Introduction to Computer Hardware	4
CIS 201	Introduction to Computer Hardware	4
CIS 239 Help Desk	Tools and Techniques	2

Total: 21

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Merritt College
Web Publishing

Overview

College	Merritt - Division II
Originator	Guy Forkner
Award Type	Certificate of Proficiency

Codes and Dates

Curriculum Committee Approval Date	2/12/2015
Top Code	0702.10 - Data Entry/Microcomputer Applications, General*

Description

A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student's transcript.

Degree Requirements:

Certificate of Proficiency Requirements:		**Credit Hours:** (10 Required)
CIS 233	Introduction to the Internet	2
CIS 234A	World Wide Web Publishing I	2
CIS 234B	World Wide Web Publishing II	2
CIS 234D Web Authoring		2
CIS 234E Creating an E-Commerce Web Site		2
		Total: 10

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Merritt College
Web Page Authoring

Overview

College	Merritt - Division II
Originator	Guy Forkner
Award Type	Certificate of Proficiency

Codes and Dates

Curriculum Committee Approval Date	2/12/2015
Top Code	0702.10 - Data Entry/Microcomputer Applications, General*

Description

The Web Page Authoring program prepares students for entry-level positions in web page designing. Students completing this certificate will be able to develop interactive web pages which utilize digital video, audio, and animation features with Internet functionality. A Certificate of Proficiency will be awarded upon satisfactory completion of the courses specified below. The Certificate of Proficiency is not indicated on the student's transcript.

Degree Requirements:

Certificate of Proficiency Requirements: **Credit Hours:** (14 Required)

CIS 233	Introduction to the Internet	2
CIS 234A	World Wide Web Publishing I	2
CIS 234B	World Wide Web Publishing II	2
CIS 234C Web Creation with Dreamweaver		2
CIS 242A Digital Animation with Flash		2
CIS 242B Digital Video		2
CIS 242C Digital Audio Production I		2

Total: 14

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