



Curriculum & Instruction Recommendations April 2011

Educational Services
Office of the Vice Chancellor
Presented and Approved at Board Meeting of April 26, 2011

CURRICULUM AND INSTRUCTION RECOMMENDATIONS
April 2011

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**PERALTA COMMUNITY COLLEGE DISTRICT
CURRICULUM AND INSTRUCTION RECOMMENDATIONS**

Date Submitted For:
CIPD Approval: 4/4/2011

Date Submitted For:
Board Approval: 4/26/2011

Curriculum Item:	EFF.	JUSTIFICATION:
Berkeley Informational Items – Distance Education	F 11	
BUS 24, Computerized Accounting Principles Hybrid, both < 51% and >51%		
BUS 70, , Introduction to Marketing Hybrid, both < 51% and >51%		
MMART 120, Media and Communications 100% Internet and Hybrid, both < 51% and >51%		
Berkeley Modified Course Proposal	F 11	
BUS 70, Introduction to Marketing		Changing course description. UCN course, changes adopted by all colleges.
New: Introduction to integrated marketing strategies: <i>Identification and satisfyication</i> customers' wants and needs with products (goods and/or services), price, place, and promotional strategies; manage customer relationship <i>management</i> ; <i>integrateation</i> of marketing into strategic business plans.		Introduction to integrated marketing strategies: Identification and satisfaction of customers' wants and needs with products (goods and/or services), price, place, and promotional strategies; customer relationship management; integration of marketing into strategic business plans.
Previous: Basic principles and related management concerns in the fields of marketing: Practical uses of marketing, consumer needs, and motivations in the development of marketing strategy.		
Berkeley Modified Course Proposal		
CHEM 30A, Introductory Inorganic General Chemistry <i>Prerequisite: MATH 201 or 210D or 208</i>		Changing course title and prerequisite (adding MATH 208). UCN course, changes adopted by all colleges.
Fundamental principles of inorganic <i>general</i> chemistry: Metric measurements, matter and energy, atomic structure, chemical nomenclature, chemical bonding, chemical reactions, stoichiometry, gas laws, nuclear chemistry, properties of liquids, solids, solutions, acids and bases.		
Berkeley New Course	F 11	
PHIL 20A, History of Ancient Greek Philosophy 3 Units, 3 Hours Lecture, (GR)		Adopting course, as revised, from College of Alameda and Laney.
Chronological development of leading philosophical perspectives of Ancient Greece from the Ionians to the Scholastics.		
1599.00		

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Curriculum Item:	EFF.	JUSTIFICATION:
Berkeley New Course	F 11	
PHIL 20B, History of Modern European Philosophy 3 Units, 3 Hours Lecture, (GR) Chronological development of leading philosophical perspectives of Modern Europe from the Renaissance to present.		Adopting course, as revised, from College of Alameda and Laney.
1599.00		
Berkeley New Course	F 11	
PSYCH 28, Introduction to Research Methods in Psychology 3 Units, 3 Hours Lecture, (GR/PNP) <i>Prerequisites: PSYCH 001A and MATH 013</i> Introduction to research methods for psychology: Research design; experimental procedures; descriptive methods; instrumentation; collection, analysis, and reporting of research data; review of research design and methodology in various sub-disciplines of psychology.		Required for transfer into psychology major at most four year colleges and universities
2001.00		
Berkeley New Course	F 11	
SOC 120, Introduction to Research Methods 3 Units, 3 Hours Lecture, (GR/PNP) <i>Prerequisite: SOC 1</i> <i>Recommended Preparation: MATH 13</i> Introduction to empirical research for the social sciences: Nature of theory, hypotheses, variables, ethics of research; application of qualitative and quantitative analytic tools including survey, observational, experimental, case study, and comparative historical research.		Meets AA degree and transfer requirements. Mandatory lower division course for most social sciences majors.
2208.00		

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Curriculum Item:	EFF.	JUSTIFICATION:
<p>Berkeley New Fee Based Course</p> <p>ARAB 801, Advanced Beginner Arabic Readings 60 hours</p> <p>Developing students' fluency in and understanding of the various ways Modern Standard Arabic is in actual use: Reading (including oral reading) of authentic Arabic texts from a variety of contexts including newspapers, short stories, novel excerpts, poetry, essays, plays, Qur'anic texts, and other classical writings; supplementary materials focusing on grammar to enhance students' understanding of the texts' construction. Students in this class need to have basic knowledge of the Arabic alphabet and production of the fundamental sounds of Arabic, along with comprehension and functional knowledge of grammar basics.</p> <p style="text-align: right;">6822.00</p>	F 11	To meet demand for training in the Arabic language for non-transfer students.
<p>Berkeley New Fee Based Course</p> <p>PORT 801, Conversational Portuguese 60 Hours</p> <p>Conversation skills at the beginning and intermediate level: Discussing current events; Grammar review as needed; readings from conversation textbook, newspapers, and magazines in Portuguese.</p> <p style="text-align: right;">6822.00</p>	F 11	To fulfill demand for building conversational skills in Portuguese for non transfer students.

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Berkeley New Program

Associate in Arts in Psychology for Transfer Degree (AA-T)

The Associate in Arts in Psychology for Transfer Degree is designed for students planning to transfer into the psychology major. A study of psychology is built upon the scientific study of human behavior and mental processes. Students pursuing the AA for transfer into the psychology major will study the nature of consciousness and the development of the person, basic processes of human perception, learning, cognition and motivation; the relationship of behavior to physiology; and the nature of psychological disorders and how psychologists use their knowledge to help improve the quality of people's lives. Successful completion of the program with a minimum G.P.A. of 2.0 affords students specific guarantees for transfer to the CSU system such as admission to a CSU with junior status, priority admission to their local CSU campus and to a program or major in psychology or similar major. Students interested in the AA for transfer degree in psychology should consult with the Social Sciences Department Chair.

Required courses (all three of the following)

PSYCH 001A Introduction to General Psychology	3
PSYCH 028 Introduction to Research Methods in Psychology	3
MATH 013 Introduction to Statistics	4

Required (one of the following) Units

BIOL 001A General Biology	5
BIOL 010 Introduction to Biology	4
BIOL 025 Human Biology	3

Required (two of the following) Units

PSYCH 006 Social Psychology	3
PSYCH 007A Psychology of Childhood	3
PSYCH 021 Lifespan Human Development	3
SOC 001 Introduction to Sociology	3

Total Required Units: **19-21**

***For the Associate in Arts Degree in Psychology for Transfer, students must complete the IGETC or CSU GE-Breadth Education pattern and elective courses for an additional 39 -41 units.**

Total Units 60

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Curriculum Item:	EFF.	JUSTIFICATION:
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Berkeley New Program

Associate in Arts in Sociology for Transfer Degree (AA-T)

The Associate in Arts in Sociology for Transfer Degree is designed for students planning to transfer into the sociology major. A study of sociology allows for the systematic study of human social institutions and social relationships. Students pursuing the AA for transfer into the sociology major will study the role of social theory, sociological research methods, social organization and structure, social stratification and hierarchies, dynamics of social change, family structures, social deviance and control, and applications to the study of specific social groups, social institutions, and social problems. Successful completion of the program with a minimum G.P.A. of 2.0 affords students specific guarantees for transfer to the CSU system such as admission to a CSU with junior status, priority admission to their local CSU campus and to a program or major in sociology or similar major. Students interested in the AA for transfer degree in sociology should consult with the Social Sciences Department Chair.

Required Course

SOC 001 Introduction to Sociology	3
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Required (two of the following) Units

SOC 002 Social Problems	3
SOC 120 Introduction to Research Methods	3
MATH 013 Introduction to Statistics	4

Required (two of the following) Units

SOC 003 Sociology of Women	3
SOC 005 Minority Groups	3
SOC 008 Crime and Deviance	3
SOC 013 Sociology of the Family	3

Required (one of the following) Units

ANTHR 003 Introduction to Social and Cultural Anthropology	3
POSCI 001 Government and Politics in the United States	3
PSYCH 001A Introduction to General Psychology	3

Total Required Units:	18-19
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***For the Associate in Arts Degree in Sociology for Transfer, students must complete the IGETC or CSU GE-Breadth Education pattern and elective courses for an additional 41 -42 units.**

Total Units 60

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Curriculum Item:	EFF.	JUSTIFICATION:
COA Informational Items – Distance Education	S 11	Transfers to four-year institutions. Fulfills the requirement for the Science and Health Sciences majors. Fulfills the requirement of Natural Science in General Education for the Associate of Science degree. Required as prerequisite for professional schools in health care (including Registered Nurse, Licensed Vocational Nurse, Nurse Practitioner, Physician Assistant, Dental, Dental Hygiene, Medical and Pharmacy, Radiologic Science). Acceptable for credit: CSU, UC.
BIOL 4, Human Physiology Hybrid, 50% online/50% face-to-face		
BIOL 10, Introduction to Biology Hybrid, 50% online/50% face-to-face		
BIOL 11, Principles of Biology 100% Online		
BIOL 31, Nutrition 100% Online		
HLTOC 201, Medical Terminology I 100% Online		
HLTOC 202, Medical Terminology II 100% Online		
COA Modified Course Proposal		
CHEM 30A, Introductory Inorganic General Chemistry <i>Prerequisite: MATH 201 or 210D or 208</i>	F 11	
Fundamental principles of inorganic <i>inorganic general</i> chemistry: Metric measurements, matter and energy, atomic structure, chemical nomenclature, chemical bonding, chemical reactions, stoichiometry, gas laws, nuclear chemistry, properties of liquids, solids, solutions, acids and bases.		
COA Modified Course Proposal		Changing course title and prerequisite (adding MATH 208). UCN course, changes adopted by all colleges.
PHIL 20A, History of Ancient Greek Philosophy	F11	
New: Chronological development of leading philosophical perspectives of Ancient Greece from the Ionians to the Scholastics.		Changing course title and description. UCN course also offered by Laney.
Previous: History of philosophy from the Ionians to the Scholastics: Chronological development of leading philosophical perspectives that have been associated with Western civilization.		

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Curriculum Item:	EFF.	JUSTIFICATION:
<p>COA Modified Course Proposal</p> <p>PHIL 20B, History of Modern European Philosophy</p> <p>New: Chronological development of leading philosophical perspectives of Modern Europe from the Renaissance to present.</p> <p>Previous: History of philosophy from the Renaissance to the present: Chronological development of leading philosophical perspectives that have been associated with Western civilization.</p>	F 11	Changing course title and description. UCN course also offered by Laney.
<p>COA New Course</p> <p>COMM 12, Organizational Communication 3 Units, 3 Hours Lecture (GR)</p> <p>Dynamics of organizational communication: Theory and practice of communication in private and public organizations, interpersonal and group communication patterns within organizations, systems of ethical internal and external communication, leadership within organizations, diversity in the workplace, conflict negotiation and the role of communication in achieving organizational goals, and organizational culture's impact on communication locally, nationally, and internationally.</p> <p style="text-align: right;">1506.00</p>	S 12	In our global society, there is a need for a communication course that teaches students about the social context and the complexity of organizations both nationally and internationally. Today's marketplace wants employees or organizational leaders to think critically and to examine the state of organizations, set goals/benchmarks, and serve as an impetus for positive change. This course will examine contemporary issues and enable students using current research to understand the complexities of organizational structures within the workplace.
<p>COA New Course</p> <p>DANCE 12A, Beginning Individual Choreography 3 Units, 2 Hours Lecture, 3 Hours Lab (GR)</p> <p>Elements of individual choreography and dance movement through space, time, and dynamics.</p> <p style="text-align: right;">1008.00</p>	M 11	This course is a pending transferable course to four-year colleges and universities. It is divided into two parts. Dance 12A will focus on solo explorations with structured choreographic assignments and Dance 12B will introduce a variety of ways to approach group choreography.
<p>COA New Course</p> <p>DANCE 12B, Beginning Group Choreography 3 Units, 2 Hours Lecture, 3 Hours Lab (GR)</p> <p>Elements of group choreography and dance movement through space, time, and dynamics.</p> <p style="text-align: right;">1008.00</p>	M 11	This course is a pending transferable course to four-year colleges and universities. It is divided into two parts. Dance 12A will focus on solo explorations with structured choreographic assignments and Dance 12B will introduce a variety of ways to approach group choreography.

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Curriculum Item:	EFF.	JUSTIFICATION:
COA New Course DANCE 61, Combined Yoga and Pilates for Dance 1 Unit, .5 Hours Lecture, 2 Hours Lab (GR) Combines elements of Yoga and Pilates to improve body awareness, strength, flexibility, efficient movement, and dance techniques. 1008.00	M 11	This course will combine the benefits of Yoga and Pilates to increase flexibility and improve strength. In addition, this course will provide stress relief and body maintenance for students. For advanced students, this course will allow students to improve a range of all dance techniques and movement skills.

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COA New Program

Associate in Arts in Communication for Transfer Degree AA-T Degree

The Associate in Arts in Communication for Transfer (AA-T) Degree is designed for students planning to transfer into the communications major. Students pursuing the AA for transfer into the communications major will study how people use messages to generate meaning within and across all kinds of contexts, cultures, and media. The mission of our program is to engage, challenge, and empower students from diverse backgrounds with the essential tools to become effective speakers, critical thinkers, empathic listeners, and persuasive writers.

Our Communication Department offers a core curriculum to develop and enhance the following set of skills:

1. Personal: identity and self-concept, emotional awareness and judgment, cultural differences, perceptions, interpretations, and assumptions, interpersonal relationships, and conflict management.
2. Professional: verbal and nonverbal expression, public speaking, ethics, teamwork, group dynamics, leadership, diversity, and organizational communication.
3. Political: rhetorical and argumentative analysis, media criticism, historical reflection, policy creation, and advocacy.

Successful completion of the program with a minimum G.P.A. of 2.0 affords students specific guarantees for transfer to the CSU system such as admission to a CSU with junior status, priority admission to their local CSU campus and to a program or major in communications or similar major. Students interested in the AA for transfer degree in communications should consult with the Department Chair in Communication.

Required courses (one of the following)

COMM 001A Introduction to Speech	3
COMM 045 Public Speaking	3

Required (two of the following)

COMM 004 The Dynamics of Group Discussion	3
COMM 020 Interpersonal Communication Skills	3
COMM 044 Argumentation	3

Required (two of the following)

COMM 2A The Fundamentals of Oral Interpretation of Literature	3
COMM 005 Persuasion and Critical Thinking	3
COMM 6 Intercultural Communication	3
COMM 19 Survey of Mass Media	3

Required (one of the following)

COMM 12 Organizational Communication	3
PHIL 010 Logic	3
PSYCH 001A Introduction to General Psychology	3
ANTHR 003 Introduction to Social and Cultural Anthropology	3
SOC 001 Introduction to Sociology	3
ENGL 001A Composition and Reading	4
ENGL 005 Critical Thinking in Reading and Writing	3

Total Required Units: 18-19

***For the Associate in Arts Degree in Communication for Transfer, students must complete the IGETC or CSU GE-Breadth Education pattern and elective courses for an additional 41-42 units.**

Total Units 60

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Curriculum Item:	EFF.	JUSTIFICATION:
Laney Course Deactivations	F 11	
ENGL 290 Introduction to Writing (Project Bridge 1)		The college has no plans to offer these courses in the future.
ENGL 291 Introduction to Reading (Project Bridge I)		
ENGL 292A-B Introduction to College Level Writing (Project Bridge II)		
ENGL 293A-B Introduction to College Level Reading (Project Bridge II)		
Laney Modified Course Proposal		
CHEM 30A, Introductory Inorganic General Chemistry <i>Prerequisite: MATH 201 or 210D or 208</i>	F 11	Changing course title and prerequisite (adding MATH 208). UCN course, changes adopted by all colleges.
Fundamental principles of <i>inorganic general</i> chemistry: Metric measurements, matter and energy, atomic structure, chemical nomenclature, chemical bonding, chemical reactions, stoichiometry, gas laws, nuclear chemistry, properties of liquids, solids, solutions, acids and bases.		
Laney Modified Course Proposal		
PHIL 20A, History of Ancient Greek Philosophy	F 11	Changing course title and description. UCN course also offered by Laney.
New: Chronological development of leading philosophical perspectives of Ancient Greece from the Ionians to the Scholastics.		
Previous: History of philosophy from the Ionians to the Scholastics: Chronological development of leading philosophical perspectives that have been associated with Western civilization.		

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<p>Laney Modified Course Proposal</p> <p>PHIL 20B, History of Modern European Philosophy</p> <p>New: Chronological development of leading philosophical perspectives of Modern Europe from the Renaissance to present.</p> <p>Previous: History of philosophy from the Renaissance to the present: Chronological development of leading philosophical perspectives that have been associated with Western civilization.</p>	F 11	Changing course title and description. UCN course also offered by Laney.
<p>Laney New Course</p> <p>ECT 203, Making the Financial Case for Clean Energy 2.5 Units, 2 Hours Lecture/1.50 Hours Lab (GR) <i>Recommended Preparation: MATH 201, BUS 43B, BUS 210</i></p> <p>Introduction to financial principles and policies for energy efficiency and renewable energy: Financial analysis software to identify cost-effective energy efficiency and renewable energy projects; effective sales strategies and presentation skills for energy efficiency and renewable energy investments.</p> <p style="text-align: right;">0934.00</p>	F 11	This course is critical for Sales and Auditing Professionals to be able to articulate the full costs and benefits of an investment in Efficiency and Renewable Energy. Clean Energy professionals must understand the rebates, incentives and other policies that impact consumers, as well as the financial metrics available to make an informed decision about a renewable energy and/or energy efficiency investment.
<p>Laney New Course</p> <p>LCI 201, Introduction to Spanish-Language Legal Interpretation 3 Units, 3 Hours Lecture (GR/PNP)</p> <p>Principles of Spanish-Language interpretation: Modes of interpretation and key legal terms used in court proceedings.</p> <p style="text-align: right;">2140.00</p>	F 11	This is an introductory course for people who are interested in entering the field of legal interpretation as a career. The focus is to acquaint the student with the legal interpretation profession, its code of ethics, the role of the interpreter and the different modes of interpretation: consecutive, simultaneous and sight. The course is structured to give the student familiarity with key legal terms in Spanish and English, the differences between the U.S. and Latin American legal systems and the linguistic, cultural and professional expectations in the field of a judiciary interpreter.

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Laney Modified Program

Biomanufacturing Skills Certificate of Proficiency

The biomanufacturing program is designed to provide students with the knowledge and skills necessary for employment in the biomanufacturing/pharmaceutical industry. It functions as a career ladder program, intending to train students in basic biotechnology and biomanufacturing skills in one semester, earning a Certificate of Proficiency in Biomanufacturing Skills.

Certificate of Proficiency Requirements:

BIOL 075 Fundamentals of Biotechnology	2
CHEM 030A Introductory Inorganic Chemistry or	4
CHEM 50, Beginning Chemistry	4
MATH 208 Mathematics for Laboratory Sciences	3
Total Units	9

Laney New Program

Certificate of Achievement: Energy Efficiency Sales & Auditing

The Energy Efficiency Sales and Auditing program prepares students for careers in the rapidly growing residential and light commercial energy efficiency sector. Students will learn building science, how to make the financial case for an investment in energy efficiency, and energy auditing to national Building Performance Institute (BPI) standards. Students will be prepared to take the BPI certification preparation course and test upon completion.

E/ET 227 Customer Service for the Building Trades	2
ECT 028 Energy Management and Efficiency in Building Systems	2
ECT 038 Measurement of Building Energy Efficiency	2
ECT 039 Energy Auditing and Computer Analysis of Building Efficiency	2
CARP 204 The Sustainable Built Environment	3
ECT 203 Making the Financial Case for Clean Energy	2.5
Total Units	13.5

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Laney New Program

Certificate of Achievement: Solar Photovoltaics Design, Sales & Installation

The Solar Photovoltaic Design, Sales & Installation program prepares students for careers in the growing solar industry. Students will learn to design solar PV systems, estimate the costs and savings for the client, formulate and deliver a sales pitch on the benefits of an investment in solar, and install PV systems. Students will be prepared to take the NAPCEP certification test upon completion.

Core Courses Units

CARP 204 The Sustainable Built Environment	3
E/ET 203 Basic Electricity	3
E/ET 204 Technical Mathematics for Electricians	3
E/ET 208 Introduction to Photovoltaics	3
E/ET 227 Customer Service for the Building Trades	2
E/ET 222 Photovoltaic NABCEP Test Preparation	2
Total Units	13 - 16

Merritt Course Deletion	F 11	The college has no plans to offer this course in the future.
ENGL 295, Fundamentals of Writing		
Merritt Modified Course Proposal		
CHEM 30A, Introductory Inorganic General Chemistry <i>Prerequisite: MATH 201 or 210D or 208</i>	F 11	Changing course title and prerequisite (adding MATH 208). UCN course, changes adopted by all colleges.
Fundamental principles of inorganic <i>general</i> chemistry: Metric measurements, matter and energy, atomic structure, chemical nomenclature, chemical bonding, chemical reactions, stoichiometry, gas laws, nuclear chemistry, properties of liquids, solids, solutions, acids and bases.		
Merritt Modified Course Proposal	S 11	
ENGL 348NE, Basic Study English Skills for the Childcare Provider I		Changing course title.
Merritt Modified Course Proposal	S 11	
ENGL 348NF, Basic Study English Skills for the Childcare Provider II		Changing course title.

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Curriculum Item:	EFF.	JUSTIFICATION:
Merritt Modified Course Proposal		
LANHT 29, Planting Design with Lab (Day) 4 Unit, 3 Hours Lecture/3 Hours Lab 3 Units, 2 Hours Lecture/3 Hours Lab		Changing Units.
Merritt Informational Item		
MATH 203, Intermediate Algebra Adding option of credit by Exam		Adding to credit by exam list.
Merritt New Course	F 11	This course continues in the 40-year-plus tradition of introducing students to the significant natural areas of California. Dozens of courses of this type have covered other aspects of the natural history of Yosemite and of many other national parks, national wildlife refuges and national forests throughout California, and have been well-subscribed by the Peralta community.
BIOL 62I, Natural History of the Yosemite High Country: Mt. Dana to Matterhorn Peak 1.5 Units, 1.5 Hours Lecture (GR/PNP) Geology, geologic history, geomorphology, plant communities: Glacial landscapes, flora and fauna of the Yosemite crest, above 9,000 feet in elevation. 0408.00		
Merritt New Course	S 12	Partial fulfillment of requirements for a certificate in genomics, Illumina HiSeq sequencer, and or Pac Bio sequencer.
BIOSC 41, Microfluidic Electrophoresis 1 Unit, .50 Hours Lecture/1.5 Hours Lab (GR/PNP) <i>Recommended Preparation: BIOSC 31</i> Modern techniques that replace gel electrophoresis for separating nucleic acid samples: Trouble shooting and use of appropriate instrumentation such as the Bioanalyzer. 0430.00		
Merritt New Course	S 12	Serves as partial fulfillment of Medical Genomics Certification and Ion Torrent DNA Sequencing certification.
BIOSC 43, Flow Cytometry 1 Unit, .50 Hours Lecture/1.5 Hours Lab (GR/PNP) Introduction to Flow Cytometry: Preparations for and applications of DNA sequencing procedures. 0430.00		
Merritt New Course	M 11	May serve as partial fulfillment of the genomics certificate.
BIOSC 48NV, Survey of the Genomics Industry 2 Units, 2 Hours Lecture, (GR/PNP) Cutting edge advances in Genomics: Speakers, tours, and discussion of the latest techniques for DNA sequencing and analysis. 0430.00		

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Curriculum Item:	EFF.	JUSTIFICATION:
<p>Merritt New Course</p> <p>BIOSC 480M, Introduction to Medical Genomics 4 Units, 4 Hours Lecture, 9GR/PNP) <i>Recommended Preparation: BIOL 10</i></p> <p>Introduction to Genomics relative to medical science: Survey of cutting edge equipment and novel approaches to genome analysis.</p> <p style="text-align: right;">0430.00</p>	M 11	Serves as partial fulfillment for the Medical Genomics Certificate.
<p>Merritt New Course</p> <p>BIOSC 0480N, Genomics Laboratory Design 2 Units, 3.00 Lab, (GR/PNP)</p> <p>Creating the Genomics Laboratory: Emphasis on instruments and work flow.</p> <p style="text-align: right;">0430.00</p>	M 11	This is an experimental class that may serve as partial fulfillment for the certificate in Genomics and/or Medical Genomics.
<p>Merritt New Course</p> <p>BIOSC 50, Genetic Diseases 4 Units, 4 Hours Lecture, (GR/PNP)</p> <p>Survey of common genetic diseases which result from various mutations and chromosomal aberrations: Genetic modifiers and epigenetic factors as they relate to disease; basic Mendelian principles are also reviewed.</p> <p style="text-align: right;">0430.00</p>	F 11	This course is required for a certificate in Medical Genomics.
<p>Merritt New Course</p> <p>BIOSC 72, DNA Sequencing using Bridge Amplification for the Illumina HiSeq 3 Units, 2 Hours Lecture/3 Hours Lab, (GR)</p> <p>DNA sequencing with the Illumina High Seq: Techniques in bridge amplification, sample preparations and trouble shooting.</p> <p style="text-align: right;">0430.00</p>	F 11	Serves as partial fulfillment for the Certificate of Illumina HiSeq DNA Sequencing.
<p>Merritt New Course</p> <p>BIOSC 90, Internship in Genomics 1 Units, .5 HoursLecture/1.5Hours Lab, (GR/PNP)</p> <p>Internship in the Genomics Industry: Practical work experience.</p> <p style="text-align: right;">0430.00</p>	F 11	Serves as partial fulfillment of the certificates of proficiency in Genomics.

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Curriculum Item:	EFF.	JUSTIFICATION:
<p>Merritt New Course</p> <p>BUS 56, Human Resources Management 3 Units, 3 Hours Lecture, (GR)</p> <p>Introduction to human resources management: Impact and accountability to the organization in human resource activities, global human resources strategies, social and organizational realities, legal implications affecting people at work, union/non-union practices, comparable work, employee compensation and benefits, and employee rights. 0506.00</p>	Spring 2011	<p>Course will be a part of the Retail Management Certificate Program. It will be taught within a consortium of colleges under the direction of Cory Kidwell from Los Positas College. This course is taught at the consortium colleges and needs to be approved at Laney College to bring current offerings in line with the other colleges offering the Retail Management Certificate. Adopting course from Berkeley and Laney.</p>
<p>Merritt New Course</p> <p>COMM 3, Introduction to Human Communication 3 Units, 3 Hours Lecture, (GR/PNP)</p> <p>Study of human communication: Focus on verbal and nonverbal participation and effective listening in interpersonal contexts, group dynamics, and public speaking. 1506.00</p>	F 11	<p>Requirement for the Communication AA-T. A transfer course to CSU and UC schools, as well as many private colleges for the communication major.</p>
<p>Merritt New Course</p> <p>COUN 501, Counseling Learning Lab 0 Units, 1-5 Hours Lab, (Not Graded) Course study under this section may be repeated as necessary. Student may attend multiple sessions per semester.</p> <p>Success and retention strategies offered in small groups: Provides supervised tutoring to students in overcoming barriers in reaching their educational goals and increasing their successful completion of college courses and programs. 04930.14</p>	F 11	<p>This course is designed to provide academic assistance to small groups of students, in a variety of workshops focusing on improved development of educational goals, increased successful completion of college courses and improved retention. Examples of workshop content are such topics as: orientation to college and educational options at Merritt, course enrollment for first semester students, assessment of completion of associate degree requirements, and overview of transfer requirements. Adopting course offered at Alameda, Berkeley and Laney.</p>
<p>Merritt New Course</p> <p>NURS 250, Associate Degree Nursing Success 4 Units, 4 Hours Lecture, (GR) It is recommended that the students have completed all nursing admission requirements.</p> <p>Tools for better understanding textbooks and lectures: Test taking strategies and introduction to nursing fundamentals. 1230.10</p>	M 11	<p>Student retention in Fundamentals of Nursing is less than 50%. We attribute this to poor preparation and lack of understanding of the nursing process which is a critical thinking requirement for all nurses and nursing students in all aspects of their program and work.</p>

**PERALTA COMMUNITY COLLEGE DISTRICT
CURRICULUM AND INSTRUCTION RECOMMENDATIONS**

Date Submitted For:
CIPD Approval: 4/4/2011

Date Submitted For:
Board Approval: 4/26/2011

Curriculum Item:	EFF.	JUSTIFICATION:
<p>Merritt New Fee Based Course</p> <p>BIOL 848NX, Life Histories of the Lizards of the East Bay 16 Hours</p> <p>Lizard species of Mt. Diablo, Sunol Regional Park and Limestone Ridge: Rare and common species, including relic populations.</p> <p style="text-align: right;">6822.00</p>	F 11	Promotes conversation of reptiles as well as other wildlife.
<p>Merritt New Fee Based Course</p> <p>BIOL 848NY, Life Histories of the Amphibians of Bob Pond 8 Hours</p> <p>Natural Histories of the Pacific Tree Frog, Boreal Toad, and Arboreal Salamander: Range, feeding and breeding behavior, genomics and conservation.</p> <p style="text-align: right;">6822.00</p>	S 11	Promotes conversation of reptiles and amphibians as well as other wildlife.
<p>Merritt New Fee Based Course</p> <p>BIOL 848NZ, Life History of the Giant Garter Snake 8 Hours</p> <p>Giant Garter Snake, <i>Thamnophis gigas</i>, natural history: Range, feeding and breeding behavior, genomics and conservation.</p> <p style="text-align: right;">6822.00</p>	S 11	Promotes conversation of Reptiles and as well as other wildlife.
<p>Merritt New Fee Based Course</p> <p>BIOL 848OA, Newts of the Bay Area 8 Hours</p> <p>Bay Area Newts of the genus, <i>Taricha</i>, natural histories: Range, feeding and breeding behavior, genomics and conservation.</p> <p style="text-align: right;">6822.00</p>	S 11	Promotes conversation of Amphibians as well as other wildlife
<p>Merritt New Fee Based Course</p> <p>BIOL 848OB, Lungless Salamanders of the Bay Area 8 Hours</p> <p>California Slender and Arboreal Salamanders, and <i>Ensatina</i>, natural histories: Ranges, feeding and breeding behaviors, genomics and conservation.</p> <p style="text-align: right;">6822.00</p>	S 11	Promotes conservation of amphibians and other wildlife.

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Curriculum Item:	EFF.	JUSTIFICATION:
<p>Merritt New Fee Based Course</p> <p>BIOL 848OD, Mining GenBank 20 Hours</p> <p>Data extraction from and submission to GenBank: Principles, methods and analysis of DNA sequences.</p> <p style="text-align: right;">6822.00</p>	M 11	This course augments the certificate of proficiency for Ion Torrent, Pac Bio and Illumina Sequencing.
<p>Merritt New Fee Based Course</p> <p>BIOL 848OE, Life History of the Pacific Pond Turtle 12 Hours</p> <p>Pacific Pond Turtle, Clemmys mamorata, natural history: Range, feeding and breeding behavior, genomics and conservation.</p> <p style="text-align: right;">6822.00</p>	F 11	Promotes interest in conservation of the natural world.
<p>Merritt New Fee Based Course</p> <p>BIOL 848OF, Herpetology by Night: April/May Species 8 Hours</p> <p>Nocturnal Reptile sand Amphibians of mid-spring: Rare and common species of the Corral Hollow and Del Puerto Canyon Regions.</p> <p style="text-align: right;">6822.00</p>	S 11	Promotes conversation of reptiles and amphibians as well as other nocturnal wildlife.
<p>Merritt New Fee Based Course</p> <p>BIOL 848OG, Herpetology by Night: May/June Species 8 Hours</p> <p>Nocturnal Reptiles and Amphibians of late spring: Rare and common species of the Corral Hollow and Del Puerto Canyon Regions.</p> <p style="text-align: right;">6822.00</p>	S 11	Promotes conversation of Reptiles and Amphibians as well as other nocturnal wildlife.
<p>Merritt New Fee Based Course</p> <p>BIOL 848OH, Herpetology by Night: September/October Species 8 Hours</p> <p>Nocturnal Reptile sand Amphibians of autumn: Rare and common species of the Corral Hollow and Del Puerto Canyon Regions.</p> <p style="text-align: right;">6822.00</p>	F 11	Promotes conversation of Reptiles and Amphibians as well as other nocturnal wildlife.

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Curriculum Item:	EFF.	JUSTIFICATION:
<p>Merritt New Fee Based Course</p> <p>BIOL 848OI, Life History of the Yellow-legged Frog 8 Hours</p> <p>Yellow-legged Frog, <i>Rana boylei</i>, natural history: Range, feeding and breeding behavior, genomics and conservation.</p> <p style="text-align: right;">6822.00</p>	F 11	Promotes conservation of the yellow-legged frog as well as other wildlife.
<p>Merritt New Fee Based Course</p> <p>BIOL 848OJ, Natural History of the Red-legged Frog 8 Hours</p> <p>Red-legged Frog, <i>Rana draytonii</i>, natural history: range, feeding and breeding behavior, genomics and conservation.</p> <p style="text-align: right;">6822.00</p>	F 11	Promotes conservation of amphibians as well as other wildlife.
<p>Merritt New Fee Based Course</p> <p>BIOL 848OM, Life History of the San Francisco Garter Snake 8 Hours</p> <p>San Francisco Garter Snake, <i>Thamnophis sirtalis tetrataenia</i>, natural history: Range, feeding and breeding behavior, genomics and conservation.</p> <p style="text-align: right;">6822.00</p>	S 11	Promotes conservation of Reptiles and Amphibians as well as other wildlife.
<p>Merritt New Fee Based Course</p> <p>BIOL 848ON, Life History of the Western Spadefoot Toad 8 Hours</p> <p>Western Spadefoot Toad, <i>Spea hammondi</i>, natural history: Range, feeding and breeding behavior, genomics and conservation.</p> <p style="text-align: right;">6822.00</p>	S 11	Promotes conservation of Reptiles and Amphibians as well as other nocturnal wildlife.
<p>Merritt New Fee Based Course</p> <p>BIOL 848OO, Life History of the Santa Cruz Long-toed Salamander 8 Hours</p> <p>Santa Cruz Long-toed Salamander, <i>Ambystoma macrodactylum croceum</i>, natural history: Range, feeding and breeding behavior, genomics and conservation.</p> <p style="text-align: right;">6822.00</p>	F 11	Promotes conservation of amphibians as well as other wildlife.

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Date Submitted For:
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Curriculum Item:	EFF.	JUSTIFICATION:
<p>Merritt New Fee Based Course</p> <p>BIOL 848OP, Life History of the California Tiger Salamander 8 Hours</p> <p>California Tiger Salamander, Ambystoma californiense, natural history: Range, feeding and breeding behavior, genomics and conservation. 6822.00</p>	F 11	Promotes conservation of Reptiles and Amphibians as well as other nocturnal wildlife.
<p>Merritt New Fee Based Course</p> <p>BIOL 848OQ, Life History of the Northwestern Salamander 8 Hours</p> <p>Northwestern Salamander, Ambystoma gracile, natural history: Range, feeding and breeding behavior, genomics and conservation. 6822.00</p>	F 11	Promotes conservation of amphibians as well as other wildlife.
<p>Merritt New Fee Based Course</p> <p>BIOL 848OR, Life History of the Northern Pacific Rattlesnake 8 Hours</p> <p>Northern Pacific Rattlesnake, Crotalus viridis oreganus, natural history: Range, feeding and breeding behavior, genomics and conservation. 6822.00</p>	M 11	Promotes conservation and understanding of rattlesnakes as well as other wildlife.
<p>Merritt New Fee Based Course</p> <p>BIOL 848OS, Reptiles of Reno: NW Great Basin Desert 16 Hours</p> <p>Herptofauna of the NW Great Basin Desert: Natural histories including range, feeding and breeding behavior, genomics and conservation of a variety of species. 6822.00</p>	M 11	Promotes wildlife conservation.
<p>Merritt New Fee Based Course</p> <p>BIOL 848OT, Life History of the California Giant Salamander 8 Hours</p> <p>California Giant Salamander, Dicamptodon ensatus natural history: Range, feeding and breeding behavior, genomics and conservation. 6822.00</p>	F 11	Promotes conservation of amphibians as well as other wildlife.

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Curriculum Item:	EFF.	JUSTIFICATION:
<p>Merritt New Fee Based Course</p> <p>BIOSC 848NC, Basic Microtechnique I 16 Hours</p> <p>Microscope slide preparation: Basic staining, mounting and preservation techniques.</p> <p style="text-align: right;">6822.00</p>	M 11	This course augments the current microcopy certificate.
<p>Merritt New Fee Based Course</p> <p>BIOSC 848ND, Advanced Microtechnique 16 Hours</p> <p>Microscope slide preparation: Advanced staining, mounting and preservation techniques including confocal and fluorescence microtechnique.</p> <p style="text-align: right;">6822.00</p>	F 11	This course augments the current microcopy certificate.
<p>Merritt New Fee Based Course</p> <p>BIOSC 848NE, Concepts of Histology I 20 Hours</p> <p>Cell and tissue imaging: Cells and organelles, basic tissue types, including plant and animal tissues and single celled protists.</p> <p style="text-align: right;">6822.00</p>	F 11	This course augments the microscopy certificate.
<p>Merritt New Fee Based Course</p> <p>BIOSC 848NF, Concepts of Histology II 20 Hours</p> <p>Organ imaging: Plant and animal tissues as well as some protists and fungi.</p> <p style="text-align: right;">6822.00</p>	F 11	This course augments the microscopy certificate.
<p>Merritt New Fee Based Course</p> <p>BIOSC 848NG, Applications of Long PCR 20 Hours</p> <p>Long Polymerase Chain Reaction: Hands on applications and analysis.</p> <p style="text-align: right;">6822.00</p>	M 11	This course augements the certificates of proficiency for Ion Torrent, Pac Bio and Illumina DNA sequencers.
<p>Merritt New Fee Based Course</p> <p>BIOSC 848NH, Techniques in Mitochondrial DNA Analysis 20 Hours</p> <p>Mitochondrial DNA: Methods for extraction, amplification and analysis.</p> <p style="text-align: right;">6822.00</p>	F 11	This course augments the certificates of proficiency for Ion Torrent, Pac Bio and Illumnia DNA sequencers.

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Curriculum Item:	EFF.	JUSTIFICATION:
<p>Merritt New Fee Based Course</p> <p>BIOSC 848NI, Genomics Applications of MacVector Software 20 Hours</p> <p>Proficiency in using MacVector Software: Mining GenBank and preparation of GenBank files, Clustal alignments, gene annotation, and frame orientation of protein coding genes.</p> <p style="text-align: right;">6822.00</p>	F 11	This course augments the certificates of proficiency for Ion Torrent, Pac Bio and Illumnia DNA sequencers.
<p>Merritt New Fee Based Course</p> <p>BIOSC 848NJ, Genomics Applications using PAUP Software 20 Hours</p> <p>Introduction to PAUP Software: Character vs. character states, parsimony, distance and the methods, shared ancestry vs. homoplasy (reversals vs. parallelisms).</p> <p style="text-align: right;">6822.00</p>	F 11	This course augments the certificates of proficiency for Ion Torrent, Pac Bio and Illumnia DNA sequencers.
<p>Merritt New Fee Based Course</p> <p>BIOSC 848NK, Genomics Applications using MacClade Software. 20 Hours</p> <p>Introduction to MacClade Software: Evolution of alternative character states and visual interface for phylogenetic trees.</p> <p style="text-align: right;">6822.00</p>	F 11	This course augments the certificates of proficiency for Ion Torrent, Pac Bio and Illumnia DNA sequencers.
<p>Merritt New Fee Based Course</p> <p>BIOSC 848NL, Principles and Practices of Colony Picking in Genomics 20 Hours</p> <p>Overview of Colony Picking: instrument calibration, imaging and picking, rearraying, stacking, navigating software, operation and trouble shooting of colony pickers.</p> <p style="text-align: right;">6822.00</p>	S 13	This course augments the certificates of proficiency for Ion Torrent, Pac Bio and Illumnia DNA sequencers.
<p>Merritt New Fee Based Course</p> <p>BIOSC 848NO, Genomics Laboratory Design 10 Hours</p> <p>Designing a Genomics Laboratory: Work flow, instrumentation, ergonomics, and overall efficiency.</p> <p style="text-align: right;">6822.00</p>	M 11	Serves to augment all of the certificates of proficiency in Genomics.

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Curriculum Item:	EFF.	JUSTIFICATION:
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Merritt New Program

Associate in Arts in Communication for Transfer Degree AA-T Degree

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. The Communication program prepares students to transfer to a four-year college or university to obtain a degree in Communication or a related Social Science field. The courses in the program also improve job attainment and performance skills, providing students with the training necessary for public speaking, customer service, conflict resolution, and interviewing. Students who complete the AA degree requirements in Communication will learn and practice cultural awareness, situation analyses, and goal-oriented solutions to practical problems, giving them valuable assets in their future relationships and workplaces. Lastly, this course of study improves students' logic and reasoning skills, thus providing the foundation for understanding math and science, the world around them, and the skills and insights necessary to think through ethical issues and achieve their goals. The AA degree in Communication will be awarded upon satisfactory completion of the Major course requirements and the General Education requirements.

List A

Required 3 Courses (9 units) Units

COMM 045 Public Speaking	3
COMM 004 The Dynamics of Group Discussion	3
COMM 020 Interpersonal Communication Skills	3

List B

Any 2 Courses (6 units) Units

COMM 006 Intercultural Communication	3
COMM 019 Survey of Mass Media	3
COMM 3 Introduction to Human Communication	3

List C

Any 1 Course (3 units) Units

COMM 013 Ethnic Perceptions in the Mass Media	3
COMM 018 Aging and Communication	3
ANTHR 003 Introduction to Social and Cultural Anthropology	3
PSYCH 001A Introduction to General Psychology	3
SOC 001 Introduction to Sociology	3
COMM 010 Gender and Communication	3
ENGL 001B Composition and Reading	4
ENGL 005 Critical Thinking in Reading and Writing	3

Total Units	18 - 19
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**PERALTA COMMUNITY COLLEGE DISTRICT
CURRICULUM AND INSTRUCTION RECOMMENDATIONS**

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CIPD Approval: 4/4/2011

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Curriculum Item:	EFF.	JUSTIFICATION:
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Merritt New Program

Certificate of Proficiency: Illumina HiSeq DNA Sequencing

The Illumina HiSeq DNA Sequencing Certificate offers a unique opportunity to study DNA, which up to this point has been largely restricted to core facilities and graduate programs at major universities. The central emphasis of this certificate is the mastery of sample preparation, operation, and analysis of DNA using the Illumina HiSeq Sequencer.

Certificate of Proficiency

BIOSC 032 Good Laboratory Practices in Genomics	1
BIOSC 030 Genomics Theory	4
BIOSC 041 Microfluidic Electrophoresis	1
BIOSC 038 Real Time Polymerase Chain Reaction (PCR)	2
BIOSC 037 Principles of Long Polymerase Chain Reaction (PCR)	1
BIOSC 040 DNA Shearing Techniques for Shotgun Sequencing in Genomics	1
BIOSC 072 DNA Sequencing using Bridge Amplification for the Illumina HiSeq	3
BIOSC 033 Research Design in Genomics	1
BIOSC 090 Internship in Genomics	1
BIOSC 034 Writing for the Scientific Journal	1
Total Units	12 - 16

Merritt New Program

Certificate of Proficiency: Personal Trainer

A short certificate program to prepare individuals for a career in personal fitness training. Curriculum to develop skills for personal trainers in cardiovascular, strength, flexibility and nutrition programs and knowledge of exercise science and body composition assessment. Trainers will be ready to apply and interpret this experience and knowledge to provide fitness recommendations for their clients.

Certificate of Proficiency

BIOL 024 Basic Human Anatomy and Physiology	4
NUTR 010 Nutrition	4
PE 201 Fitness and Health Maintenance Activities	.5 - 2
COMM 020 Interpersonal Communication Skills	3
Total Units	11.5 - 13

**PERALTA COMMUNITY COLLEGE DISTRICT
CURRICULUM AND INSTRUCTION RECOMMENDATIONS**

Date Submitted For:
CIPD Approval: 4/4/2011

Date Submitted For:
Board Approval: 4/26/2011

Curriculum Item: **EFF.** **JUSTIFICATION:**

Merritt Program Modifications

Associate in Arts Degree: Community Social Services

The Community Social Services program is designed to prepare students for employment in entry-level professional positions in the social services, as well as some of the other human services. The Substance Abuse program is designed to prepare students for employment in entry-level paraprofessional positions providing counseling, case management, crisis management, and relapse prevention services to substance abuse clients. Both programs also prepare students for transfer to four-year institutions, offer further training for persons already employed, or provide students the opportunity to explore for vocational choice. The Substance Abuse program requirements comply with CAADE (California Association on Alcohol and Drug Education) guidelines.

The two majors in this program, Community Social Services and Substance Abuse, are both offered for the Associate degree and the certificate. To qualify for the AA degree in either major, students must satisfactorily complete the Major course requirements and the General Education requirements. A Certificate of Achievement will be awarded upon satisfactory completion of the major course requirements.

Degree Major/Certificate of Achievement Requirements

COSER 9 Staff Development for Human Services Workers	3
COSER 10 Community Resources and Social Policy	3
COSER 16A Communication: Theory and Practice	2-3
<i>COSER 16B Communication: Families in Crisis</i>	3
COSER 20 Group Dynamics: Working with Small Groups	2-3
COSER 40A Community Social Services Field Experience	3
COSER 40B Community Social Services Field Experience	3
<i>PE 9 Body Conditioning</i>	.5
<i>PE 39 Weight Training</i>	.5
Total Units	18-19

**PERALTA COMMUNITY COLLEGE DISTRICT
CURRICULUM AND INSTRUCTION RECOMMENDATIONS**

Date Submitted For:
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Date Submitted For:
Board Approval: 4/26/2011

Curriculum Item:	EFF.	JUSTIFICATION:
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Merritt Program Modifications

Associate Degree and Certificate of Achievement: Substance Abuse

The Substance Abuse program is designed to prepare students for employment in entry-level paraprofessional positions providing counseling, case management, crisis management, and relapse prevention services to substance abuse clients.

Degree Major/Certificate of Achievement Requirements:

FIRST SEMESTER

COSER 021 Psychology/Pharmacology of Drugs of Abuse	3 - 4
COSER 029 Working with Diverse Populations	3
COSER 042 Counseling Skills and Substance Abuse	3
COSER 40A Community Social Services Field Experience	3

SECOND SEMESTER

COSER 016B Communication: Families in Crisis	3
COSER 020 Group Dynamics: Working with Small Groups	2 - 3
COSER 027 Crisis Management for Substance Abuse	3
COSER 40B Community Social Services Field Experience	3
PE 009 Body Conditioning	.5

THIRD SEMESTER

COSER 010 Community Resources and Social Policy	3
COSER 026 Case Management for Substance Abuse Paraprofessionals	3
COSER 028 Dual Diagnosis: Mental Illness and Drug Abuse	3
COSER 40C Community Social Services Field Experience	3

FOURTH SEMESTER

COSER 022 Social Psychology of Substance/Drug Abuse	3
COSER 025 Maintaining Sobriety and Relapse Prevention	3
ENGL 001A Composition and Reading	4
or	
ENGL 100 * College Composition and Reading	4
or	
ENGL 201A * Preparation for Composition and Reading	4
HLTED 001 Exploring Health Issues	3
PE 009 Body Conditioning	.5

Total Units **49 - 51**

* Engl 100 does not meet English composition transfer requirements. Engl 1A is required for transfer and for the Associate degree