

A. NAME OF AGENDA ITEM

Consideration and approval of new or revised courses and programs.

B. STATEMENT OF ISSUE/PURPOSE

1. Background and Purpose:

Sections 55002, 55130, and 55150 of Title 5 requires the local district governing board approve degree-applicable credit courses, nondegree-applicable credit courses, noncredit courses, community services offerings, and credit and noncredit programs.

The following curriculum changes are proposed for the San Diego Community College District for City College, Mesa College, Miramar College, or Continuing Education:

Administration of Justice

Adoption of a course reactivation at Miramar College. (Attachment A)

Computer Business Technology

Adoption of a course deactivation at Mesa College. (Attachment B)

Computer and Information Sciences

Adoption of two new courses at Miramar College. (Attachment C)

Diagnostic Medical Sonography

Adoption of two new courses at Mesa College. (Attachment D)

Engineering Technology

Adoption of a course deactivation at City College. (Attachment E)

Exercise Science

Adoption of two new courses at Miramar College. (Attachment F)

Fire Protection Technology

Adoption of a course deactivation at Miramar College. (Attachment G)

Health Information Technology

Adoption of a new course at Mesa College. (Attachment H)

Human Services

Adoption of two new courses at City College. (Attachment I)

Information, Network, and Web Technologies

Adoption of a course deactivation at City College. (Attachment J)

Information, Network, and Web Technologies

Adoption of three new courses at City College. (Attachment K)

Microsoft

Adoption of four course deactivations at City College. (Attachment L)

Nutrition

Adoption of a new course at Mesa College. (Attachment M)

Radiologic Technology

Adoption of a course deactivation at Mesa College. (Attachment N)

Architecture

Adoption of two program revisions at Mesa College. (Attachment O)

Behavioral Sciences

Adoption of a program revision at City College. (Attachment P)

Business Studies

Adoption of two new programs at City College. (Attachment Q)

Business Studies

Adoption of a program revision at City College. (Attachment R)

Chicana and Chicano Studies

Adoption of a program revision at City College. (Attachment S)

Child Development

Adoption of a program revision at Miramar College. (Attachment T)

Computer Business Technology

Adoption of a new program at Mesa College. (Attachment U)

Computer Business Technology

Adoption of a new program at City College. (Attachment V)

Computer Business Technology

Adoption of a program revision at Miramar College. (Attachment W)

Computer Information Systems

Adoption of two program revisions at City College. (Attachment X)

Computer Information Systems

Adoption of four new programs at City College. (Attachment Y)

Dental Assisting (RDA, CDA)

Adoption of two program revisions at Mesa College. (Attachment Z)

Fashion

Adoption of four program revisions at Mesa College. (Attachment AA)

Fire Protection Technology

Adoption of two program revisions at Miramar College. (Attachment BB)

Humanities

Adoption of a program revision at Mesa College. (Attachment CC)

Liberal Arts and Sciences

Adoption of two program revisions at Mesa College. (Attachment DD)

Manufacturing Engineering Technology

Adoption of a program revision at City College. (Attachment EE)

Marketing

Adoption of two program revisions at Mesa College. (Attachment FF)

Medical Assisting

Adoption of two program revisions at Mesa College. (Attachment GG)

Music

Adoption of a program revision at Miramar College. (Attachment HH)

Nutrition

Adoption of a program revision at Mesa College. (Attachment II)

Phlebotomy

Adoption of a program revision at Mesa College. (Attachment JJ)

Physical Therapist Assistant

Adoption of a program revision at Mesa College. (Attachment KK)

Radiologic Technology

Adoption of two program revisions at Mesa College. (Attachment LL)

2. Cost and Funding:

There is no additional cost to the District.

C. PROPOSAL

The Board of Trustees hereby grants authority to take the action outlined in Part A

Administration of Justice

ACTION

Adoption of a course reactivation (with integration) at Miramar College.

Proposed course reactivation at Miramar College:

361L Less-Lethal Munitions Training (LLMT)
1 hour lecture, 7 - 15 hours lab, 0.2 units
Grade Only

Prerequisite: Administration of Justice 323A with a grade of "C" or better, or equivalent S.T.C. Certified Correctional Officer Core Course Academy or Administration of Justice 381, Administration of Justice 382, Administration of Justice 383, Administration of Justice 384, each with a grade of "C" or better, or equivalent Basic POST Certified Academy. This course provides training on the use of less-lethal munitions. Topics include safety guidelines; history and development; terminology; legal issues; use of force guidelines; employment techniques; and documentation. (FT) Not applicable to the Associate Degree.

ACTION

Adoption of a course deactivation at Mesa College.

Proposed course deactivation at Mesa College:

173 Introduction to E-Commerce

48 - 54 hours lecture, 3 units

Grade Only

Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5; Computer Business Technology 114, Computer Business Technology 161, and Computer Business Technology 162, each with a grade of "C" or better, or equivalent.

This is an introduction to current and emerging e-commerce technologies. Topics include Internet technology for business advantage; managing e-commerce funds transfer; reinventing the future of business through e-commerce; business opportunities in e-commerce; social, political, and ethical issues associated with e-commerce; and business plans for technology ventures. Students are involved in creating an e-commerce marketing plan. This course is intended for students seeking knowledge and experience in the realities of and potential for e-commerce. (FT) Associate Degree Credit & transfer to CSU.

Computer and Information Sciences

ACTION

Adoption of two new courses at Miramar College.

Proposed new courses at Miramar College:

211 Computer Organization and Assembly Language
48 - 54 hours lecture, 48 - 54 hours lab, 4 units
Grade Only

Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.

This course is an introduction to the organization of modern digital computers and assembly language programming. Topics include language syntax; instruction set mnemonics; and segment, index, pointer, general purpose, and flag registers. A variety of memory addressing techniques are covered, as well as stack operations, particularly those associated with passing parameters to subroutine calls.

Additional topics include machine architecture; memory addressing; input/output; interrupts; control structures; compiling; linking; and printer and disk interfaces. This course is intended for students majoring in computer and information sciences. (FT) Associate Degree Credit & transfer to CSU.

246 Discrete Mathematics for Computer Science
48 - 54 hours lecture, 3 units
Grade Only

Prerequisite: Mathematics 245 with a grade of "C" or better, or equivalent.

This course is a continuation of discrete mathematics to include concepts and techniques used in computer science and related disciplines. Topics include theory of graphs, trees, boolean algebra, probability theory, and modeling computation. This course is intended for transfer students planning to major in computer science. (FT) Associate Degree Credit & transfer to CSU.

Diagnostic Medical Sonography

ACTION

Adoption of two new courses at Mesa College.

Proposed new courses at Mesa College:

**100L Sonography Physics and
Instrumentation Laboratory**
48 - 54 hours lab, 1 units
Grade Only

Corequisite: Diagnostic Medical Sonography 100.

Limitation on Enrollment: Special Admission - must be admitted to program.

This course applies the theoretical knowledge that is the basis for ultrasound scanning, as well as the practical application of that knowledge.

This course is designed for students enrolled in the Diagnostic Medical Sonography Program. (FT required) Associate Degree Credit & transfer to CSU.

110 Introduction to Sonography
48 - 54 hours lecture, 3 units
Grade Only

Limitation on Enrollment: Special Admission - must be admitted to program.

This course studies the origins and evolution of diagnostic medical sonography, the sonographer as a student, communication and critical thinking skills, sonographer safety issues, medical techniques and patient care, clinical assessments and sonographic procedures, legal and ethical aspects of sonography, the future of sonography, and professional development and leadership.

This course is designed for students enrolled in the Diagnostic Medical Sonography Program. (FT required) Associate Degree Credit & transfer to CSU.

ACTION

Adoption of a course deactivation at City College.

Proposed course deactivation at City College:

110 Science for Technical Applications
48 - 54 hours lecture, 48 - 54 hours lab, 4 units
Grade Only

Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5; Mathematics 46 with a grade of "C" or better, or equivalent or Assessment Skill Level M40.

This science course presents basic vocabulary, concepts and scientific techniques that are used to analyze and understand technical applications. Students are introduced to the language and tools of chemistry and physics. Students learn to interpret atomic structure, use the periodic table, classify and identify properties of common compounds, analyze chemical bonding and reactions, and relate technical applications to chemical properties. Students also learn to determine the effect of force on linear motion, analyze various physical phenomena, and analyze various forms of energy. This course is intended for beginning students who are enrolling in an engineering technology major. (FT) Associate Degree Credit & transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.

ACTION

Adoption of two new courses at Miramar College.

Proposed new courses at Miramar College:

140C Boot Camp III

**32 - 54 hours lab, 0.5-1 units
Grade Only**

Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5; Exercise Science 140B with a grade of "C" or better, or equivalent.

This course provides beginning students with intermediate level instruction in fundamental skills related to core and unilateral strength, stability, and performance. Topics include core stability, targeted functional training, and various training models and fitness plans derived from or inspired by military physical training techniques. This course is the third in a series of four boot camp physical training courses. It is intended for kinesiology majors and all students interested in comprehensive physical fitness training. All objectives are covered in this course whether offered for 0.5 or one unit. When this course is offered for one unit, the additional time is utilized for additional skills practice and refinement of exercise technique. (FT) Associate Degree Credit & transfer to CSU.

140D Boot Camp IV

**32 - 54 hours lab, 0.5-1 units
Grade Only**

Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5; Exercise Science 140C with a grade of "C" or better, or equivalent.

This course provides intermediate students with advanced level instruction in skills related to core and unilateral strength, stability, and performance. Topics include core stability, targeted functional training, and various training models and fitness plans derived from or inspired by military physical training techniques. This course is the fourth in a series of four boot camp physical training courses. It is intended for kinesiology majors and all students interested in comprehensive physical fitness training. All objectives are covered in this course whether offered for 0.5 or one unit. When this course is offered for one unit, the additional time is utilized for additional skills practice and refinement of exercise technique. (FT) Associate Degree Credit & transfer to CSU.

ACTION

Adoption of a course deactivation at Miramar College.

Proposed course deactivation at Miramar College:

**361 Current Issues and Skills Maintenance
for Professional Firefighters
4 - 40 hours lecture, 12 - 40 hours lab, 0.5-2.5 units
Grade Only**

Prerequisite: Fire Protection Technology 381F with a grade of "C" or better, or equivalent. This course assesses, updates, and improves the knowledge, skills, and abilities of individual fire fighters and fire crews. It meets the requirements of the International Fire Service Training Association, Occupational Safety and Health Administration (OSHA), California Title 22, California State Fire Marshall, and San Diego Fire Department Training Division. Subjects include recent legislation and legal updates; technical subjects addressing social issues and skill proficiency training in fireground and rescue operations; emergency vehicle operations; hazardous materials training; and the Incident Command System. This course is intended for practicing firefighters. (FT) Not applicable to the Associate Degree.

ACTION

Adoption of a new course at Mesa College.

Proposed new course at Mesa College:

256 Statistics for Healthcare

48 - 54 hours lecture, 3 units

Grade Only

Prerequisite: Mathematics 92 or Mathematics 96, each with a grade of "C" or better, or equivalent or Assessment Skill Level M50.

Limitation on Enrollment: Special admission - must be admitted to program.

This course is an introductory study of statistics for health information technology. Emphasis is placed on the basic principles of data collection, descriptive statistics, probability, confidence intervals, hypothesis testing, research methods, measures of central tendency and statistical analysis of hospital and non-acute facility health data. Calculation of Health Information Management department descriptive and inferential statistics are included. In addition, the course covers the calculation of specific vital statistics as well as discharge analysis reporting. There is instruction in the preparation of monthly and annual medical, administrative, and outside agency reports utilizing tables and graphs. Practice in the interpretation of statistical reports is also provided. This course is intended for students majoring in Health Information Technology or those interested in applied statistics. (FT required) Associate Degree Credit & transfer to CSU.

ACTION

Adoption of two new courses at City College.

Proposed new courses at City College:

121 Practicum 1: Core Competencies
48 - 54 hours lecture, 3 units
Grade Only

Advisory: Human Services 103 with a grade of "C" or better, or equivalent.
This course is a practical application of the skills and tools required to work in the community. Emphasis is placed on in-class practice of Community Health Work (CHW) core competencies particularly regarding communication skills, leadership skills, group facilitation skills, health education skills, advocacy skills, individual and community assessment skills and self-care practices. Students may develop and execute an individual project and take part in a group project. This course is designed for Human Services students and anyone interested in community organizing. (FT) Associate Degree Credit & transfer to CSU.

122 Practicum 2: Field Work
32 - 36 hours lecture, 2 units
Grade Only

Corequisite: Human Services 270.
Advisory: Human Services 121 with a grade of "C" or better, or equivalent.
This course is designed to mentor students enrolled in a field placement course and provides the opportunity to discuss and analyze their experiences while performing their roles and responsibilities as Community Health Workers (CHWs) in the field. Emphasis is placed on application of knowledge especially in the areas of healthy lifestyles, preventive care, community development, team participation, and health behavior modification. (FT) Associate Degree Credit & transfer to CSU.

ACTION

Adoption of a course deactivation at City College.

Proposed course deactivation at City College:

110 Desktop Support Technician I
32 - 36 hours lecture, 48 - 54 hours lab, 3 units
Grade Only

Advisory: Completion of or concurrent enrollment in Information, Network, and Web Technologies 100 with a grade of "C" or better, or equivalent.

This course prepares students with the knowledge and skills required to take and pass the first Microsoft Desktop Support Technician exam (Exam 70-685). Students completing this course are prepared for an entry level position in the desktop support industry. (FT) Associate Degree Credit & transfer to CSU.

ACTION

Adoption of three new courses at City College.

Proposed new courses at City College:

113 Designing and Deploying Microsoft Exchange Server

16 - 18 hours lecture, 72 - 81 hours lab, 2.5 units

Letter Grade or Pass/No Pass Option

Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5; Information, Network, and Web Technologies 111 and Information, Network, and Web Technologies 112, each with a grade of "C" or better, or equivalent.

This is a project-oriented course that provides students with the knowledge and skills necessary to install, configure, and administer a Microsoft Exchange Server. Emphasis is placed on managing messaging and connection security, message recovery, and monitoring and troubleshooting the Microsoft Exchange Server. Course content follows the Microsoft Official Academic Course curriculum and is intended to prepare students to take the Microsoft Server exam (70-345) of the Microsoft Certified Solutions Expert (MCSE): Productivity certification. (FT) Associate Degree Credit & transfer to CSU.

170 Cybersecurity Analyst+ (CSA+) Certification Training

**24 - 27 hours lecture, 72 - 81 hours lab, 3 units
Grade Only**

Advisory: English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6; Information, Network, and Web Technologies 120 and Information, Network, and Web Technologies 140, each with a grade of "C" or better, or equivalent.

This is a project-oriented course that focuses on security analytics and practical use of security tools in real-world scenarios. Emphasis is placed on four major domains: Threat Management, Vulnerability Management, Cyberincident Response, and Security Architecture and Tool Sets. Topics range from reconnaissance to incident response and forensics, while focusing heavily on scenario-based learning. This course follows the official Computing Technology Industry Association (CompTIA) curriculum and is designed for students who plan to take the CompTIA CSA+ exam. CompTIA CSA+ certification meets the ISO 17024 standard and is approved by U.S. Department of Defense to fulfill Directive 8140/8570.01-M requirements. (FT) Associate Degree Credit & transfer to CSU.

210 Introduction to Computer Forensics

Investigation

32 - 36 hours lecture, 48 - 54 hours lab, 3 units

Letter Grade or Pass/No Pass Option

Advisory: English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6; Information, Network, and Web Technologies 100 and Information, Network, and Web Technologies 120, each with a grade of "C" or better, or equivalent.

This course is an introduction to the methodologies used to conduct a digital forensics investigation in accordance to the objectives of the International Association of Computer Investigative Specialists (IACIS) certification. Emphasis is placed on building a solid foundation by introducing digital forensics to those who are new to the field. Topics include an overview of computer forensics certifications, computer investigation processes, computer forensics tools, understanding disk structures, operating systems boot processes, data acquisition/analysis, technical writing, and testifying as an expert witness. This course is intended for students who have a thorough understanding of computer and networking basics. (FT) Associate Degree Credit & transfer to CSU.

ACTION

Adoption of four course deactivations at City College.

Proposed course deactivations at City College:

130 Configuring Microsoft Windows Client
16 - 18 hours lecture, 72 - 81 hours lab, 2.5 units
Grade Only

Advisory: Information, Network, and Web Technologies 100 with a grade of "C" or better, or equivalent.

This course provides students with the knowledge and skills to install and configure Windows desktops and to configure mobile computers and applications that run on Windows in a network environment. Course content follows the Microsoft Official Academic Course curriculum and is intended to prepare students to take the Microsoft Client component of the Microsoft Certified IT Professional (MCITP) and Microsoft Certified Technology Specialist (MCTS) certification exam. (FT) Associate Degree Credit & transfer to CSU.

132 Windows Server Network Infrastructure, Configuring
24 - 27 hours lecture, 72 - 81 hours lab, 3 units
Letter Grade or Pass/No Pass Option

This course provides students with the knowledge and skills to configure and troubleshoot a Windows server network infrastructure. Students learn how to configure secure network access, implement fault tolerant storage technologies, secure servers and maintain update compliance. Course content follows the Microsoft Official Academic Course curriculum and is intended to prepare students to take the Microsoft Client component of the Microsoft Certified IT Professional (MCITP) and Microsoft Certified Technology Specialist (MCTS) certification exam. (FT) Associate Degree Credit & transfer to CSU.

137 Windows Server Active Directory, Configuring
16 - 18 hours lecture, 72 - 81 hours lab, 2.5 units
Letter Grade or Pass/No Pass Option

This course provides students with the knowledge and skills to configure Active Directory (AD) Domain Services in a distributed environment, implement group policies, perform back and restore, and monitor and troubleshoot AD related issues. Students also learn to configure identity and access solutions with Windows Server 2008 AD. Course content follows the Microsoft Official Academic Course curriculum and is intended to prepare students to take the Microsoft Server 2008 Active Directory Configuring Exam 70-640 required for the Microsoft Certified Technology Specialist (MCTS) and Microsoft Certified IT Professional (MCITP) certifications, Enterprise Administrator and Server Administrator. (FT) Associate Degree Credit & transfer to CSU.

160 Microsoft Exchange Server, Configuring
16 - 18 hours lecture, 72 - 81 hours lab, 2.5 units
Letter Grade or Pass/No Pass Option

Prerequisite: Microsoft 132 with a grade of "C" or better, or equivalent.

This course provides students with the knowledge and skills necessary to install, configure and administer a Microsoft Exchange Server. Emphasis is placed on managing messaging and connection security, message recovery, and monitoring and troubleshooting the Microsoft Exchange Server. Course content follows the Microsoft Official Academic Course curriculum and is intended to prepare students to take the Microsoft Server component of the Microsoft Certified Technology Specialist (MCTS) and the Microsoft Certified IT Professional (MCITP) certification exam (70-236). (FT) Associate Degree Credit & transfer to CSU.

ACTION

Adoption of a new course at Mesa College.

Proposed new course at Mesa College:

**50 Introduction to Dietetic Services in
Healthcare**

**48 - 54 hours lecture, 3 units
Grade Only**

Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.

This course is an introduction to basic nutrition and the relationship of nutrition to diet therapy. Topics include the classes of nutrients; process of digestion, absorption, and transport; nutrition assessment of individuals with various diseases and/or conditions and related therapeutic diets.. This course is designed for students enrolled in the Dietary Manager Certificate program. (FT) Associate Degree Credit only and not Transferable.

Radiologic Technology

ACTION

Adoption of a course deactivation at Mesa College.

Proposed course deactivation at Mesa College:

251C Directed Clinical Practice

225 - hours other, 3 units

Grade Only

Prerequisite: Radiologic Technology 251A with a grade of "C" or better, or equivalent.

Corequisite: Radiologic Technology 201.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 251B.

This course is designed to give radiologic technology students supervised clinical experience. The focus is placed on the safe, legal, ethical and effective application of procedures used in obtaining diagnostic radiographs of the vertebral column; digestive, urinary, hepatobiliary and reproductive systems. This course also fosters the development of communication skills, interpersonal relationships and professionalism required for the healthcare field. Supervision is shared by the staff of the clinical site and college faculty. (FT) Associate Degree Credit & transfer to CSU.

ACTION

Adoption of two program revisions at Mesa College.

Proposed program revisions at Mesa College:

**Associate of Science Degree
Architecture Technician**

Courses Required for the Major:	Units
ARCH 100 Graphic Design Communication I ...	2
ARCH 101 ArchiCAD.....	3
<u>ARCH 103 Introduction to Architecture and Environmental Design.....</u>	<u>3</u>
ARCH 104 Introduction to Architecture and Environmental Design.....	2
ARCH 107 Revit	3
ARCH 112 AutoCAD.....	3
ARCH 115 Architectural Model Making	2
ARCH 130 Materials of Construction	3
ARCH 141 Architectural Construction Documents	4
ARCH 251 Site Design, Topography and Grading	3
Total Units = 25 <u>23</u>	

**Associate of Science Degree
Architecture Design**

Courses Required for the Major:	Units
ARCH 100 Graphic Design Communication I ...	2
<u>ARCH 103 Introduction to Architecture and Environmental Design.....</u>	<u>3</u>
ARCH 104 Introduction to Architecture and Environmental Design.....	2
ARCH 126 History of Ancient World Architecture or	
ARCH 127 History of World Architecture: Renaissance Through Contemporary	3
ARCH 170 Architectural Design.....	4
ARCH 172 Architectural Design II	4
ARCH 173 Environmental Design: Urban and Community Site Design	4
ARCH 175 Advanced Architectural Design I	5
ARCH 180A Advanced Architectural Design IIA.....	5
ARCH 220 Graphic Design Communication II.....	2
ARCH 221 Graphic Design Communication III	2
ARCH 226 Architectural Theory.....	3
ARCH 231 Sustainability in the Built Environment.....	4
Total Units = 40 <u>41</u>	

ACTION

Adoption of a program revision at City College.

Proposed program revision at City College:

**Certificate of Achievement
Community Health Work**

Courses Required for the Major:	Units
HUMS 103 Introduction to Community Health Work	
—Introduction to Community Health Work	3
HUMS 111 Introduction to Chronic Disease	3
HUMS 118 Diversity and Cultural Competency	3
HUMS 121 Practicum 1: Core Competencies	3
HUMS 122 Practicum 2: Field Work	2
PSYC 130 Introduction to Community Psychology	3
HUMS 270 Work Experience	1-4
HUMS 095 Public Assistance and Benefits Program	1
HUMS 112 Community Service Practicum	3
HEAL 101 Health and Life Style	3
PSYC 101 General Psychology	3
PSYC 230 Psychology of Lifespan Development	3

Total Units = ~~46~~ 18-21

Business Studies

Pursuant to Section 78016 of the Education Code, the following is a program review summary:
Certificate of Performance, Certified Public Accountant Preparatory Program

- A. Labor Market Information¹: The annual average number of persons employed in the Certified Public Accountant Preparatory program area was 29,830 in the 2014 employment year (projected through 2024). Approximately 2,257 new job openings are projected through 2014-2024.
- B. Duplication²: None.
- C. Effectiveness³: Program area OR the projected enrollment of 100 for 2017- 2018 in the new program area.

- 1. State of California Employment Development Department, Industry and Occupational Employment Data Estimated Employment: 2014-2024, Accountant services & related occupations; State of California Employment Development Department, Occupational Employment Data: 2014-2024, Annual Openings, Accountant services & related occupations
- 2. 2017-2018 catalogs and websites for Region 10 Community Colleges
- 3. City College School of Business, Information Technology, & Cosmetology Enrollment expectations

ACTION

Adoption of a new program at City College.

Proposed new program at City College:

**Certificate of Performance
Certified Public Accountant
Preparatory Program**

Courses Required for the Major:	Units
ACCT 119 Accounting Ethics	3
ACCT 125 Government & Not-for-Profit Accounting	3
ACCT 135 Principles of Auditing	3

Total Units = 9

Business Studies

Pursuant to Section 78016 of the Education Code, the following is a program review summary:
Certificate of Performance, Customer Relationship Management Program

- A. Labor Market Information¹: The annual average number of persons employed in the Customer Relationship Management program area was 21,440 in the 2014 employment year (projected through 2024). Approximately 772 new job openings are projected through 2014-2024.
- B. Duplication²: None.
- C. Effectiveness³: Program area OR the projected enrollment of 250 for 2017- 2018 in the new program area.

- 1. State of California Employment Development Department, Industry and Occupational Employment Data Estimated Employment: 2014-2024, Customer Service & related occupations; State of California Employment Development Department, Occupational Employment Data: 2014-2024, Annual Openings, Customer Service & related occupations
- 2. 2017-2018 catalogs and websites for Region 10 Community Colleges
- 3. City College School of Business, Information Technology, & Cosmetology Enrollment expectations

ACTION

Adoption of a new program at City College.

Proposed new program at City College:

**Certificate of Performance
Customer Relationship
Management**

Courses Required for the Major:	Units
BUSE 102 Introduction to Customer Service.....	3
MARK 105 Professional Selling	3

Total Units = 6

ACTION

Adoption of a program revision at City College.

Proposed program revision at City College:

**Associate of Science Degree
Small Business Accounting
Accounting**

Courses Required for the Major:	Units
ACCT 102 Basic Accounting	3
ACCT 116A Financial Accounting	4
ACCT 116B Managerial Accounting	4
ACCT 150 Computer Accounting Applications	3
<u>BUSE 092 Introduction to Business Communication or</u>	
BUSE 119 Business Communications	3
CBTE 140 Microsoft Excel	2
or	
<u>CBTE 143 Intermediate Microsoft Excel or</u>	
<u>CBTE 180 Microsoft Office</u>	<u>3</u>
<u>ACCT 120 Federal Income Tax</u>	<u>3</u>
<u>ACCT 121 California Income Tax</u>	<u>1</u>
<u>ACCT 128A Small Business Accounting - Recordkeeping</u>	<u>1.5</u>
<u>ACCT 128B Small Business Accounting - Payroll</u>	<u>1.5</u>
<u>BIOL 101 Issues in Environmental Science & Sustainability</u>	<u>4</u>
<u>BUSE 101 Business Mathematics</u>	<u>3</u>
<u>ENGL 101 Reading and Composition</u>	<u>3</u>
<u>BUSE 140 Business Law and the Legal Environment</u>	<u>3</u>
<u>CISC 181 Principles of Information Systems</u>	<u>4</u>
<u>ECON 120 Principles of Macroeconomics</u>	<u>3</u>
<u>PHIL 102B Introduction to Philosophy: Values</u>	<u>3</u>
<u>COMS 180 Intercultural Communication</u>	<u>3</u>

Complete 3 units from:	Units
<u>BUSE 270 Business Internship / Work Experience or</u>	
<u>ACCT 270 Accounting Internship / Work Experience</u>	<u>1-3</u>
<u>BUSE 245C Small Business Internship - Accounting or</u>	
<u>BUSE 277C Service Learning - Community</u>	<u>3</u>

Complete 6 units from:	Units
<u>ACCT 119 Accounting Ethics</u>	<u>3</u>
<u>ACCT 120 Federal Income Tax</u>	<u>3</u>
<u>ACCT 121 California Income Tax</u>	<u>1</u>
<u>ACCT 125 Government & Not-for-Profit Accounting</u>	<u>3</u>
<u>ACCT 128A Small Business Accounting - Recordkeeping</u>	<u>1.5</u>
<u>ACCT 128B Small Business Accounting - Payroll</u>	<u>1.5</u>
<u>ACCT 135 Principles of Auditing</u>	<u>3</u>
<u>ACCT 270 Accounting Internship / Work Experience</u>	<u>1-4</u>
<u>BUSE 101 Business Mathematics</u>	<u>3</u>
<u>BUSE 120 Personal Financial Management</u>	<u>3</u>

Total Units = 55 25-26

ACTION

Adoption of a program revision at City College.

Proposed program revision at City College:

**Associate of Arts Degree
Chicana and Chicano Studies**

Courses Required for the Major:	Units
CHIC 110A Introduction to Chicano Studies	3
CHIC 141A United States History from a Chicano Perspective	3
CHIC 141B United States History from a Chicano Perspective	3
SPAN 201 Third Course in Spanish or	
<u>SPAN 215 Spanish for Spanish Speakers I</u>	<u>5</u>

Select two of the following courses:	Units
CHIC 110B Introduction to Chicano Studies	3
CHIC 130 Mexican Literature in Translation	3
CHIC 135 Chicana/o Literature	3
CHIC 138 Literature of La Raza in Latin America in Translation	3
CHIC 150 History of Mexico	3
CHIC 170 La Chicana	3
CHIC 201 The Indigenous Tradition of Mexico and Ancient Mesoamerica	3
CHIC 210 Chicano Culture	3
CHIC 230 Chicano Art	3

*The department recommends that students
planning to transfer to the Chicano Studies
major at SDSU select CHIC CHIC 170.*

Total Units = 20

ACTION

Adoption of a program revision at Miramar College.

Proposed program revision at Miramar College:

**Certificate of Achievement
Master Teacher**

Courses Required for the Major:	Units
CHIL 101 Human Growth and Development.....	3
CHIL 111 Curriculum: Music/Motor Skills	3
CHIL 121 Creative Art	3
CHIL 131 Curriculum: Language/Science	3
CHIL 141 The Child, Family and Community ...	3
CHIL 151 Program Planning	3
CHIL 180 Nutrition, Health and Safety for Children	3
<u>CHIL 215 Adult Supervision and Mentoring in Early Childhood Settings</u>	<u>3</u>
<u>CHIL 270 Work Experience.....</u>	<u>1-4</u>
or	
<u>CHIL 275 Supervised Field Study.....</u>	<u>1-3</u>

Select one of the following three options that is not part of your specialization (see specializations listed below) to complete the minimum 24 unit core requirement): **Units**

CHIL 160 Observing and Understanding Children and	
CHIL 161 Observations and Issues in Child Development.....	2
or	
CHIL 165 Children With Special Needs or CHIL 175 Infant Toddler Growth and Development.....	3
CHIL 215 Adult Supervision and Mentoring in Early Childhood Settings	3
CHIL 270 Work Experience.....	1-4
or	
CHIL 275 Supervised Field Study.....	1-3

Note: Must select 2-4 units in CHIL 270 or 275.

Select one of the following specializations for a total of 6-7 units: **Units**

CHIL 160 Observing and Understanding Children	2
CHIL 161 Observations and Issues in Child Development.....	2
CHIL 162 Observing and Guiding Child Behavior.....	3
CHIL 165 Children With Special Needs	3
CHIL 166 Special Needs Curriculum.....	3
CHIL 175 Infant-Toddler Growth and Development.....	3
CHIL 176 Principles of Infant/Toddler Caregiving.....	3
CHIL 188 Violence in the Lives of Children and Families.....	3

Total Units = ~~35~~ ~~39~~ 31-35

Computer Business Technology

Pursuant to Section 78016 of the Education Code, the following is a program review summary:
Certificate of Achievement, Business Information Worker I Program

- A. Labor Market Information¹: The annual average number of persons employed in the Business Information Worker I program area was 35,570 in the 2017 employment year. Approximately 32,300 new job openings are projected through 2014-2024.
- B. Duplication²: Cuyamaca/Grossmont College
Southwestern College
San Diego City College
San Diego Continuing Education
- C. Effectiveness³: Program area OR the projected enrollment of 30 for 2018 in the new program area.

- 1. EDD/LMID Occupational Employment Statistics Survey, 2017; EDD/LMID Projections of Employment by Occupation
- 2. ict-dm.net/BIW
- 3. SDCCD EMS

ACTION

Adoption of a new program at Mesa College.

Proposed new program at Mesa College:

**Certificate of Achievement
Business Information Worker I**

Courses Required for the Major:	Units
BUSE 119 Business Communications.....	3
BUSE 150 Human Relations in Business	3
CBTE 101 Basic Computer Keyboarding	1
CBTE 114 Introduction to Microsoft Windows	1
CBTE 120 Beginning Microsoft Word.....	2
CBTE 140 Beginning Microsoft Excel.....	2
CBTE 164 Introduction to Microsoft Outlook....	1
CISC 150 Introduction to Computer and Information Sciences.....	3
or	
CISC 181 Principles of Information Systems.....	4

Total Units = 16 – 17

Computer Business Technology

Pursuant to Section 78016 of the Education Code, the following is a program review summary:
Certificate of Performance, Business Information Worker Program

- A. Labor Market Information¹: The annual average number of persons employed in the Introduction to Business Information Worker program area was 4,485 in the 2016 employment year. Approximately 19,707 new job openings are projected through 2016-2026.
- B. Duplication²: None.
- C. Effectiveness³: Program area OR the projected enrollment of 20 for 2018-2019 in the new program area.

- 1. COE Labor Market Report: Middle-Skill Occupations in San Diego & Imperial Counties
- 2. San Diego and Imperial Valley County colleges catalogs
- 3. San Diego City College Course Level Enrollment and Section data (Research Dept)

ACTION

Adoption of a new program at City College.

Proposed new program at City College:

**Certificate of Performance
Intro. To Business Information
Worker**

Courses Required for the Major:	Units
BUSE 090A Learning Skills.....	1.5
BUSE 092 Introduction to Business Communication.....	3
CBTE 094 Introduction to Computer Keyboarding.....	1

Total Units = 5.5

ACTION

Adoption of a program revision at Miramar College.

Proposed program revision at Miramar College:

**Certificate of Performance
Website Designer**

Courses Required for the Major:	Units
CBTE 127 Introduction to PowerPoint.....	2
CBTE 152 Beginning Microsoft Access	2
CBTE 165 Webpage Creation with Dreamweaver	3
CBTE 162 Web Page Creation	2
CBTE 170 Desktop Publishing	2

Total Units = ~~11~~ 7

ACTION

Adoption of two program revisions at City College.

Proposed program revisions at City College:

**Certificate of Achievement
Desktop Support Technician II**

Courses Required for the Major:	Units
INWT 100 Survey of Operating Systems	4
INWT 110 Desktop Support Technician I.....	3
<u>INWT 111 Windows Desktop Professional.....</u>	<u>3</u>
INWT 120 Network + Training	4
INWT 140 Security+ Certification Training.....	3
<u>INWT 145 Linux + Certification Training</u>	<u>4</u>

Total Units = ~~14~~ 18

**Certificate of Performance
~~Microsoft Certified Technology
Specialist~~
Microsoft Technology Specialist**

Courses Required for the Major:	Units
INWT 100 Survey of Operating Systems	4
MSFT 130 Configuring Microsoft Windows Client	2.5
MSFT 132 Windows Server Network Infrastructure, Configuring	3
MSFT 137 Windows Server Active Directory, Configuring	2.5
MSFT 160..... Microsoft Exchange Server, Configuring	2.5
<u>INWT 111 Windows Desktop Professional.....</u>	<u>3</u>
<u>INWT 112 Windows Server Professional</u>	<u>3</u>
<u>INWT 113 Designing and Deploying Microsoft Exchange Server</u>	<u>2.5</u>
<u>INWT 145 Linux+ Certification Training</u>	<u>4</u>

Total Units = ~~14.5~~ 16.5

Computer Information Systems

Pursuant to Section 78016 of the Education Code, the following is a program review summary:
Certificate of Performance, Cyber Incident Response Program

- A. Labor Market Information¹: The annual average number of persons employed in the Cyber Incident Response program area was 23,877 in the 2016 employment year. Approximately 716 new job openings are projected through 2016-2021.
- B. Duplication²: None.
- C. Effectiveness³: Program area OR the projected enrollment of 20 for 2018-2019 in the new program area.

- 1. Centers of Excellence: CyberSecurity Occupations in San Diego County, February 2017
- 2. Regional colleges' catalogs
- 3. Estimation is based on total number students successfully completing existing courses in INWT see attached

ACTION

Adoption of a new program at City College.

Proposed new program at City College:

**Certificate of Performance
Cyber Incident Response**

Courses Required for the Major:	Units
INWT 200 Certified Ethical Hacking (CEH) Certification Training.....	4
INWT 205 CompTIA Advanced Security Practitioner (CASP) Certification Training.....	4
INWT 210 Introduction to Computer Forensics Investigation.....	3

Total Units = 11

Computer Information Systems

Pursuant to Section 78016 of the Education Code, the following is a program review summary:
Associate of Science Degree, Cybersecurity Program

- A. Labor Market Information¹: The annual average number of persons employed in the Cybersecurity program area was 23,877 in the 2016 employment year. Approximately 716 new job openings are projected through 2016-2021.
- B. Duplication²: None.
- C. Effectiveness³: Program area OR the projected enrollment of 20 for 2018-2019 in the new program area.

1. Centers of Excellence: CyberSecurity Occupations in San Diego County, February 2017
2. Regional colleges’ catalogs
3. Estimation is based on total number students successfully completing existing courses in INWT see attached

ACTION

Adoption of a new program at City College.

Proposed new program at City College:

**Associate of Science Degree
 Cybersecurity**

Courses Required for the Major:	Units
INWT 101 Introduction to Information Security	3
INWT 111 Windows Desktop Professional.....	3
INWT 112 Windows Server Professional	3
INWT 120 Network+ Certification Training.....	4
INWT 140 Security+ Certification Training.....	3
INWT 145 Linux+ Certification Training	4
INWT 170 Cybersecurity Analyst+ (CSA+) Certification Training.....	3
INWT 200 Certified Ethical Hacking (CEH) Certification Training.....	4
INWT 205 CompTIA Advanced Security Practitioner (CASP) Certification Training.....	4
INWT 210 Introduction to Computer Forensics Investigation.....	3

Select one course from the following:	Units
INWT 100 Survey of Operating Systems	4
INWT 105 Project+ Certification Training	4
INWT 135 Certified Secure Computer User	3
BUSE 092 Introduction to Business Communication.....	3

Total Units = 37 – 38

Computer Information Systems

Pursuant to Section 78016 of the Education Code, the following is a program review summary:
Certificate of Achievement, Cybersecurity Program

- A. Labor Market Information¹: The annual average number of persons employed in the Cybersecurity program area was 23,877 in the 2016 employment year. Approximately 716 new job openings are projected through 2016-2021.
- B. Duplication²: None.
- C. Effectiveness³: Program area OR the projected enrollment of 20 for 2018-2019 in the new program area.

1. Centers of Excellence: CyberSecurity Occupations in San Diego County, February 2017
2. Regional colleges’ catalogs
3. Estimation is based on total number students successfully completing existing courses in INWT see attached

ACTION

Adoption of a new program at City College.

Proposed new program at City College:

**Certificate of Achievement
 Cybersecurity**

Courses Required for the Major:	Units
INWT 101 Introduction to Information Security	3
INWT 111 Windows Desktop Professional.....	3
INWT 112 Windows Server Professional	3
INWT 120 Network+ Certification Training.....	4
INWT 140 Security+ Certification Training.....	3
INWT 145 Linux+ Certification Training	4
INWT 170 Cybersecurity Analyst+ (CSA+) Certification Training.....	3
INWT 200 Certified Ethical Hacking (CEH) Certification Training.....	4
INWT 205 CompTIA Advanced Security Practitioner (CASP) Certification Training.....	4
INWT 210 Introduction to Computer Forensics Investigation.....	3

Select one course from the following:	Units
INWT 100 Survey of Operating Systems	4
INWT 105 Project+ Certification Training	4
INWT 135 Certified Secure Computer User	3
BUSE 092 Introduction to Business Communication	3

Total Units = 37 – 38

Computer Information Systems

Pursuant to Section 78016 of the Education Code, the following is a program review summary:
Certificate of Performance, Cybersecurity Specialist Program

- A. Labor Market Information¹: The annual average number of persons employed in the Cybersecurity Specialist program area was 23,877 in the 2016 employment year. Approximately 716 new job openings are projected through 2016-2021.
- B. Duplication²: None.
- C. Effectiveness³: Program area OR the projected enrollment of 20 for 2018-2019 in the new program area.

- 1. Centers of Excellence: CyberSecurity Occupations in San Diego County, February 2017
- 2. Regional colleges' catalogs
- 3. Estimation is based on total number students successfully completing existing courses in INWT see attached

ACTION

Adoption of a new program at City College.

Proposed new program at City College:

**Certificate of Performance
Cybersecurity Specialist**

Courses Required for the Major:	Units
INWT 140 Security+ Certification Training.....	3
INWT 170 Cybersecurity Analyst+ (CSA+) Certification Training.....	3
INWT 205 CompTIA Advanced Security Practitioner (CASP) Certification Training.....	4

Total Units = 10

Dental Assisting

ACTION

Adoption of two program revisions at Mesa College.

Proposed program revisions at Mesa College:

**Associate of Science Degree
Dental Assisting (RDA, CDA)**

Courses Required for the Major:	Units
DENA 050 Dental Communications	3
DENA 054 Basic Dental Assisting	2
DENA 054L Basic Dental Assisting Lab	2
DENA 056 Basic Dental Science	3.5
DENA 058 Preventive Dental Care	1.5
DENA 058L Preventive Dental Care Lab	0.5
DENA 060 Clinical Business Management.....	1.5
DENA 060L Clinical Business Management Lab	1
DENA 062 Dental Specialties I.....	2.5
DENA 062L Dental Specialties I Laboratory.....	2
DENA 082 Dental Specialties II.....	2.5
DENA 082L Dental Specialties II Lab	2
<u>DENA 083A Directed Clinical Practice</u>	<u>1.5</u>
<u>DENA 083B Directed Clinical Practice</u>	<u>4.5</u>
DENA 086B Directed Clinical Practice	3
DENA 086A Directed Clinical Practice	1
DENA 117 Dental Materials	2.5
DENA 117L Dental Materials - Lab.....	1
DENA 129 Dental Radiography I.....	2.5
DENA 129L Dental Radiography Lab	0.5
DENA 139 Dental Radiography II	0.5

Total Units = ~~35~~ 37

**Certificate of Achievement
Dental Assisting (RDA, CDA)**

Courses Required for the Major:	Units
DENA 050 Dental Communications	3
DENA 054 Basic Dental Assisting	2
DENA 054L Basic Dental Assisting Lab	2
DENA 056 Basic Dental Science	3.5
DENA 058 Preventive Dental Care	1.5
DENA 058L Preventive Dental Care Lab	0.5
DENA 060 Clinical Business Management.....	1.5
DENA 060L Clinical Business Management Lab	1
DENA 062 Dental Specialties I.....	2.5
DENA 062L Dental Specialties I Laboratory.....	2
DENA 082 Dental Specialties II.....	2.5
DENA 082L Dental Specialties II Lab	2
<u>DENA 083A Directed Clinical Practice</u>	<u>1.5</u>
<u>DENA 083B Directed Clinical Practice</u>	<u>4.5</u>
DENA 086B Directed Clinical Practice	3
DENA 086A Directed Clinical Practice	1
DENA 117 Dental Materials	2.5
DENA 117L Dental Materials - Lab.....	1
DENA 129 Dental Radiography I.....	2.5
DENA 129L Dental Radiography Lab	0.5
DENA 139 Dental Radiography II	0.5

Total Units = ~~35~~ 37

ACTION

Adoption of four program revisions at Mesa College.

Proposed program revisions at Mesa College:

**Certificate of Achievement
Fashion Design**

Courses Required for the Major:	Units
FASH 105 Introduction to Fashion.....	3
FASH 120 Fashion History and Trends or <u>FASH 122 Ethnic Costume</u>	3
FASH 125 Fashion Selection.....	3
FASH 130 Apparel Construction I	3
FASH 140 Clothing Design and Flat Pattern I ...	3
FASH 142 Fashion Illustration & Technical Sketching.....	3
FASH 145 Clothing Design Through Draping ...	3
FASH 155 Fashion Field Studies or FASH 156 International Fashion Field Studies: Overview or FASH 157 International Field Studies: Focused Study or FASH 158 Fashion Field Studies: Trade <u>Shows/Markets.....</u>	1 - 4
FASH 175 Computer Fashion Design: Adobe PhotoShop or FASH 176 Computer Fashion Design: Adobe Illustrator.....	3
FASH 199B Fashion Laboratory B	1
FASH 199A Fashion Laboratory A.....	1
FASH 270 Work Experience	1 - 4
FASH 168 Textiles	3

Total Units = 31 - 37

**Associate of Science Degree
Fashion Merchandising**

Courses Required for the Major:	Units
FASH 105 Introduction to Fashion.....	3
FASH 108 Analysis, Evaluation, and Comparison of Ready-to-Wear Fashion.....	3
FASH 110 Fashion Buying/Management.....	3
FASH 112 Fashion Promotion	3
<u>FASH 113 Fashion Event Planning and Production</u>	<u>1.5</u>
FASH 115 Visual Merchandising.....	3
FASH 125 Fashion Selection.....	3
FASH 155 Fashion Field Studies or FASH 156 International Fashion Field Studies: Overview or FASH 157 International Field Studies: Focused Study or FASH 158 Fashion Field Studies: Trade <u>Shows/Market</u>	1 - 4
FASH 168 Textiles	3
FASH 178 Computer Publishing and Portfolio ..	3
FASH 190 Fashion Entrepreneurship	3
FASH 270 Work Experience	2 - 4
ARTF 150A Two-Dimensional Design.....	3
CBTE 140 Microsoft Excel	2

Select one course from:	Units
MARK 105 Professional Selling	3
MARK 110 Principles of Retailing	3
MARK 130 Advertising Principles.....	3

Total Units = ~~38-43~~ 39.5 - 44.5

**Associate of Science Degree
Fashion Design**

Courses Required for the Major:	Units
FASH 105 Introduction to Fashion.....	3
FASH 120 Fashion History and Trends or	
<u>FASH 122 Ethnic Costume</u>	<u>3</u>
FASH 125 Fashion Selection.....	3
FASH 130 Apparel Construction I	3
FASH 131 Apparel Construction II.....	3
FASH 140 Clothing Design and Flat Pattern I ...	3
FASH 142 Fashion Illustration & Technical Sketching.....	3
FASH 145 Clothing Design Through Draping ...	3
FASH 150 Advanced Fashion Design	3
FASH 155 Fashion Field Studies	
FASH 156 International Fashion Field Studies: Overview or	
FASH 157 International Field Studies: Focused Study or	
<u>FASH 158 Fashion Field Studies:</u> <u>Trade Shows/Markets</u>	<u>1 - 4</u>
FASH 175 Computer Fashion Design: Adobe PhotoShop or	
FASH 176 Computer Fashion Design: Adobe Illustrator	3
FASH 199A Fashion Laboratory A.....	1
FASH 199B Fashion Laboratory B	1
FASH 199C Fashion Laboratory C	1
FASH 270 Work Experience	1 - 4
FASH 168 Textiles	3
CBTE 140 Microsoft Excel	2
ARTF 150A Two-Dimensional Design.....	3

Choose three units from the following:	Units
FASH 121 Ethnic Costume: Overview of History and Design	1
<u>FASH 122 Ethnic Costume</u>	<u>3</u>
<u>FASH 123 Introduction to Costume Development.....</u>	<u>3</u>
FASH 135 Tailoring	3
FASH 141 Clothing Design and Flat Pattern II.....	3
<u>FASH 143 Advanced Fashion Illustration and Technical Sketching</u>	<u>1.5</u>
<u>FASH 147 Stretch Knits: Design and Construction.....</u>	<u>1</u>
FASH 160 Millinery Techniques.....	1
FASH 161 Millinery Flat Pattern Design	1
FASH 162 Millinery Blocking	1
<u>FASH 166 Fitting Techniques and Alterations.....</u>	<u>3</u>
<u>FASH 169 Textile Design Practicum</u>	<u>3</u>
FASH 170 Textile Design	1
FASH 171 Computer Flat Pattern Design	3
FASH 172 Computer Flat Pattern for Industry...	3

Total Units = 46 – 52

**Certificate of Achievement
Fashion Merchandising**

Courses Required for the Major:	Units
FASH 105 Introduction to Fashion.....	3
FASH 108 Analysis, Evaluation, and Comparison of Ready-to-Wear Fashion.....	3
FASH 110 Fashion Buying/Management.....	3
FASH 112 Fashion Promotion	3
FASH 113 Fashion Event Planning and <u>Production</u>	<u>1.5</u>
FASH 115 Visual Merchandising.....	3
FASH 125 Fashion Selection.....	3
FASH 155 Fashion Field Studies or FASH 156 International Fashion Field Studies: Overview or FASH 157 International Field Studies: Focused Study or <u>FASH 158 Fashion Field Studies: Trade Shows/Market</u>	<u>1 - 4</u>
FASH 168 Textiles	3
FASH 178 Computer Publishing and Portfolio ..	3
FASH 270 Work Experience	2 - 4
CBTE 140 Microsoft Excel	2

Select one course from:	Units
MARK 105 Professional Selling	3
MARK 110 Principles of Retailing	3
MARK 130 Advertising Principles.....	3
FASH 190 Fashion Entrepreneurship	3

Total Units = ~~32-37~~ 33.5 – 38.5

ACTION

Adoption of two program revisions at Miramar College.

Proposed program revisions at Miramar College:

**Certificate of Achievement
Fire Technology**

*Students complete all of the major requirements
as well as one of the two Firefighter I
Certification options below.*

Courses Required for the Major:	Units
FIPT 150A Introduction to Fire Suppression and Maintenance Manipulative Tasks (Beginning).....	1.5
FIPT 101 Fire Protection Organization	3
FIPT 102 Fire Prevention Technology	3
FIPT 103 Fire Protection Equipment and Systems	3
FIPT 104 Building Construction for Fire Protection	3
FIPT 105 Fire Behavior and Combustion.....	3
FIPT 107 Fire Fighting Tactics and Strategy.....	3
FIPT 109 Fire Service Hydraulics	3
FIPT 110A Wildland Fire Control.....	2
FIPT 120 Firefighter Safety and Survival.....	3
FIPT 322B Confined Space Rescue Awareness.....	0.2
FIPT 323B Hazmat Emergency Response First Responder Operational.....	0.5
FIPT 324A Basic Incident Command System (NIMS ICS 100 & 200).....	0.5
EMGM 105A Emergency Medical Technician - National Registry	7
EMGM 106 Perilaryngeal Airway Adjuncts/Defibrillation Training	0.5

Students seeking firefighter i certification through a traditional fire academy complete one of the following two academy options:

	Units
FIPT 381F Heartland Fire Training Regional Firefighter I Academy.....	9
and	
FIPT 381G Firefighter I Academy Skills Review and Certification.....	1.5
or	
FIPT 381S San Diego City Basic Firefighter I Academy	13

Students seeking firefighter i certification through the alternate fire academy delivery option complete all of the following courses:

	Units
FIPT 106 Truck Company Operations.....	3
FIPT 110A Wildland Fire Control.....	2
FIPT 150A Introduction to Fire Suppression and Maintenance Manipulative Tasks (Beginning).....	1.5
FIPT 150B Introduction to Fire Suppression and Maintenance Manipulative Tasks (Intermediate).....	1.5
FIPT 150C Introduction to Fire Suppression and Maintenance Manipulative Tasks (Advanced).....	1.5
FIPT 322B Confined Space Rescue Awareness	0.2
FIPT 322C Firefighter Survival.....	0.5
FIPT 323B Hazmat Emergency Response First Responder Operational.....	0.5

Fire Protection Technology

FIPT 324A Basic Incident Command System
(NIMS ICS 100 & 200).....0.5
FIPT 381G Firefighter I Academy Skills Review
and Certification.....1.5
Total Units = ~~35.7~~ 38.2-38.5

**Associate of Science Degree
Fire Technology**

Students complete all of the major requirements as well as one of the two Firefighter I Certification options below.

Courses Required for the Major:	Units
FIPT 150A Introduction to Fire Suppression and Maintenance Manipulative Tasks (Beginning)	1.5
FIPT 101 Fire Protection Organization	3
FIPT 102 Fire Prevention Technology	3
FIPT 103 Fire Protection Equipment and Systems	3
FIPT 104 Building Construction for Fire Protection	3
FIPT 105 Fire Behavior and Combustion.....	3
FIPT 107 Fire Fighting Tactics and Strategy	3
FIPT 109 Fire Service Hydraulics	3
FIPT 110A Wildland Fire Control	2
FIPT 120 Firefighter Safety and Survival.....	3
FIPT 322B Confined Space Rescue Awareness	0.2
FIPT 323B Hazmat Emergency Response First Responder Operational	0.5
FIPT 324A Basic Incident Command System (NIMS ICS 100 & 200)	0.5
EMGM 105A Emergency Medical Technician - National Registry	7
EMGM 106 Perilaryngeal Airway Adjuncts/Defibrillation Training	0.5

Students seeking firefighter i certification through a traditional fire academy complete one of the following two academy options:

	Units
<u>FIPT 381F Heartland Fire Training Regional Firefighter I Academy</u>	9
and	
<u>FIPT 381G Firefighter I Academy Skills Review and Certification</u>	1.5
or	
<u>FIPT 381S San Diego City Basic Firefighter I Academy</u>	13

Students seeking firefighter i certification through the alternate fire academy delivery option complete all of the following courses:

	Units
FIPT 106 Truck Company Operations.....	3
FIPT 110A Wildland Fire Control.....	2
FIPT 150A Introduction to Fire Suppression and Maintenance Manipulative Tasks (Beginning).....	1.5
FIPT 150B Introduction to Fire Suppression and Maintenance Manipulative Tasks (Intermediate).....	1.5
FIPT 150C Introduction to Fire Suppression and Maintenance Manipulative Tasks (Advanced).....	1.5
FIPT 322B Confined Space Rescue Awareness	0.2
FIPT 322C Firefighter Survival.....	0.5
FIPT 323B Hazmat Emergency Response First Responder Operational.....	0.5
<u>FIPT 324A Basic Incident Command System (NIMS ICS 100 & 200)</u>	0.5
<u>FIPT 381G Firefighter I Academy Skills Review and Certification</u>	1.5

Total Units = 35.7 38.2-38.5

ACTION

Adoption of a program revision at Mesa College.

Proposed program revision at Mesa College:

**Certificate of Achievement
Honors Global Competencies**

Courses Required for the Major:	Units
COMS 180 Intercultural Communication	3
COMS 135 Interpersonal Communication	3
ENGL 205 Critical Thinking and Intermediate Composition	3
ENGL 208 Introduction to Literature	3
MATH 118 Math for the Liberal Arts Student ..	3
MATH 119 Elementary Statistics	3
PHIL 100 Logic and Critical Thinking	3
<u>PHIL 101 Symbolic Logic.....</u>	<u>3</u>
PHIL 205 Critical Thinking and Writing in Philosophy	3
SOCO 201 Advanced Principles of Sociology ..	3
SOCO 223 Globalization and Social Change	3

Languages select 5 units from the following:

	Units
CHIN 101 First Course in Mandarin Chinese	5
CHIN 102 Second Course in Mandarin Chinese 5	
CHIN 201 Third Course in Mandarin Chinese ..	5
CHIN 202 Fourth Course in Mandarin Chinese 5	
FREN 101 First Course in French	5
FREN 102 Second Course in French	5
FREN 201 Third Course in French	5
FREN 202 Fourth Course in French	5
GERM 101 First Course in German	5
GERM 102 Second Course in German	5
GERM 201 Third Course in German	5
ITAL 101 First Course in Italian	5
ITAL 102 Second Course in Italian	5
ITAL 201 Third Course in Italian	5
JAPN 101 First Course in Japanese	5
JAPN 102 Second Course in Japanese	5
JAPN 201 Third Course in Japanese	5
JAPN 202 Fourth Course in Japanese	5
LATI 101 First Course in Latin	5
LATI 102 Second Course in Latin	5

LATI 201 Third Course in Latin	5
RUSS 101 First Course in Russian	5
RUSS 102 Second Course in Russian	5
RUSS 201 Third Course in Russian	5
SPAN 101 First Course in Spanish	5
SPAN 102 Second Course in Spanish	5
SPAN 201 Third Course in Spanish	5
SPAN 202 Fourth Course in Spanish	5
SPAN 215 Spanish for Spanish Speakers I	5
SPAN 216 Spanish for Spanish Speakers II	5
TAGA 101 First Course in Tagalog	5
TAGA 102 Second Course in Tagalog	5
TAGA 201 Third Course in Tagalog	5
VIET 101 First Course in Vietnamese	5
VIET 102 Second Course in Vietnamese	5
VIET 201 Third Course in Vietnamese	5

or

AMSL 115 American Sign Language Level I	4
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and

AMSL 115L American Sign Language I (Lab)	1
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or

AMSL 116 American Sign Language Level II	4
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and

AMSL 116L American Sign Language II (Lab)	1
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Global studies select a minimum of 12 units from 4 different disciplines:

	Units
ANTH 102 Introduction to Physical Anthropology	3
ANTH 103 Introduction to Cultural Anthropology	3
ANTH 120 Archaeological Artifact Analysis	3

Humanities

ANTH 200 Introduction to North American Indians	3	CHIC 201 The Indigenous Tradition of Mexico and Ancient Mesoamerica	3
ANTH 215 Cultures of Latin America	3	CHIC 210 Chicano Culture	3
ARTF 107 Contemporary Art	3	CHIC 230 Chicano Art	3
ARTF 109 Modern Art	3	CISC 181 Principles of Information Systems	4
ARTF 110 Art History: Prehistoric to Gothic	3	COMS 103 Oral Communication	3
ARTF 113 Arts of Africa, Oceania, and the Americas	3	COMS 160 Argumentation	3
ARTF 115 African Art	3	DRAM 105 Introduction to Dramatic Arts	3
ARTF 120 Native American Art	3	DRAM 112 Introduction to Script Analysis	3
ARTF 125 Art History: Arts of the Asian Continent	3	ECON 120 Principles of Macroeconomics	3
ARTF 191 Cultural Influences on Photography	3	ECON 121 Principles of Microeconomics	3
BIOL 100 Natural History - Environmental Biology	4	ENGL 101 Reading and Composition	3
BLAS 100 Introduction to Black Studies	3	ENGL 105 Composition and Literature	3
BLAS 104 Black Psychology	3	ENGL 209 Literary Approaches to Film	3
BLAS 110 African American Art	3	ENGL 220 Masterpieces of World Literature I: 1500 BCE - 1600 CE	3
BLAS 111 Cultural Influences on African Art	3	ENGL 221 Masterpieces of World Literature II: 1600 - Present	3
BLAS 116 Contemporary Social Problems from a Black Perspective	3	ENGL 230 Asian American Literature	3
BLAS 120 Black Music	3	GEOG 102 Cultural Geography	3
BLAS 125 Dynamics of the Black Community	3	GEOG 104 World Regional Geography	3
BLAS 130 The Black Family	3	HEAL 101 Health and Life-Style	3
BLAS 140A History of the U.S., Black Perspectives	3	HIST 100 World History I	3
BLAS 140B History of the U.S., Black Perspectives	3	HIST 101 World History II	3
BLAS 150 Black Women in Literature, Film and the Media	3	HIST 115A History of the Americas I	3
BLAS 155 African American Literature	3	HIST 115B History of the Americas II	3
BLAS 165 Sexuality and Black Culture	3	HIST 120 Introduction to Asian Civilizations	3
BLAS 175 Psycho-History of Racism and Sexism	3	HIST 123 U.S. History from the Asian Pacific American Perspective	3
CHIC 110A Introduction to Chicano Studies	3	HIST 131 Latin America Before Independence	3
CHIC 110B Introduction to Chicano Studies	3	HIST 141 Women in United States History I	3
CHIC 135 Chicana/o Literature	3	HIST 150 Native Americans in United States History	3
CHIC 138 Literature of La Raza in Latin America in Translation	3	HIST 151 Native Americans in United States History	3
CHIC 141A United States History from a Chicano Perspective	3	HIST 154 Ancient Egypt	3
CHIC 141B United States History from a Chicano Perspective	3	HUMA 101 Introduction to the Humanities I	3
CHIC 150 History of Mexico	3	HUMA 102 Introduction to the Humanities II	3
CHIC 170 La Chicana	3	HUMA 103 Introduction to the New Testament	3
CHIC 190 Chicano Images in Film	3	HUMA 104 Introduction to the Old Testament	3
		HUMA 106 World Religions	3
		HUMA 201 Mythology	3
		HUMA 205 Exploring Human Values Through Film	3
		JOUR 202 Introduction to Mass Communication	3
		MUSI 100 Introduction to Music	3
		MUSI 105 Music of Our Time	3

Humanities

ARTF 111 Art History: Renaissance to Modern	3	HIST 130 The Modern Middle East	3
MUSI 109 World Music	3	HIST 132 Latin America Since Independence .	3
NUTR 153 Cultural Foods	3	ARTF 130 Pre-Columbian Art	3
HIST 121 Asian Civilizations in Modern Times	3	BIOL 110 Introduction to Oceanography	3
PHIL 103 Historical Introduction To Philosophy 3		BIOL 115 Marine Biology	4
PHIL 104A History Of Western Philosophy	3	CHEM 111 Chemistry in Society	3
PHIL 106 Asian Philosophy	3	GEOL 100 Physical Geology	3
PHIL 104B History of Western Philosophy	3	GEOL 104 Earth Science	3
PHIL 107 Reflections on Human Nature	3		
PHIL 109 Issues in Social Philosophy	3		
PHIL 108 Perspectives on Human Nature and Society	3		
PHIL 110 Philosophy of Religion	3		
PHIL 125 Philosophy of Women	3		
PHIL 130 Philosophy of Art and Music	3		
POLI 101 Introduction to Political Science	3		
POLI 103 Comparative Politics	3		
POLI 140 Contemporary International Politics .	3		
PSYC 101 General Psychology	3		
PSYC 112 Interpersonal Relations	3		
PSYC 133 Psychology of Women	3		
PSYC 135 Marriage and Family Relations	3		
PSYC 137 Human Sexual Behavior	3		
PSYC 166 Introduction to Social Psychology ...	3		
PSYC 230 Psychology of Lifespan Development	3		
PSYC 245 Abnormal Psychology	3		
SOCO 101 Principles of Sociology	3		
SOCO 110 Contemporary Social Problems	3		
PERG 120 College Success and Lifelong Learning	3		
PERG 130 Career Life Planning	3		
MUSI 125 Music, The Arts, and Humanity	3		
AMSL 150 Introduction to Deaf Culture	3		
ARCH 126 History of Ancient World Architecture	3		
ARCH 127 History of World Architecture: Renaissance Through Contemporary	3		
BUSE 119 Business Communications	3		
BUSE 150 Human Relations in Business	3		
DRAM 150 Cinema as Art and Communication I	3		
DRAM 151 Cinema as Art and Communication II	3		

Total Units = 20

ACTION

Adoption of two program revisions at Mesa College.

Proposed program revisions at Mesa College:

**Associate of Arts Degree
Liberal Arts and Sciences:
Language Arts and Humanities-
Philosophy**

Courses Required for the Major:	Units
PHIL 102A Introduction to Philosophy: Reality and Knowledge	3
PHIL 102B Introduction to Philosophy: Values	3

HUMA 104 Introduction to the Old Testament.....	3
HUMA 201 Mythology	3

Total Units = 18

Select a minimum of 12 units:	Units
PHIL 104A History Of Western Philosophy	3
PHIL 104B History of Western Philosophy	3
PHIL 103 Historical Introduction To Philosophy.....	3
PHIL 100 Logic and Critical Thinking	3
PHIL 101 Symbolic Logic	3
PHIL 105 Contemporary Philosophy <u>Contemporary Philosophy</u>	3
PHIL 106 Asian Philosophy	3
PHIL 107 Reflections on Human Nature.....	3
<u>PHIL 108 Perspectives on Human Nature and Society</u>	<u>3</u>
<u>PHIL 109 Issues in Social Philosophy.....</u>	<u>3</u>
PHIL 110 Philosophy of Religion	3
PHIL 111 Philosophy In Literature	3
PHIL 112 Philosophy of Science.....	3
PHIL 125 Philosophy of Women	3
PHIL 126 Introduction to Philosophy of Contemporary Gender Issues	3
<u>PHIL 130 Philosophy of Art and Music</u>	<u>3</u>
<u>PHIL 131 Environmental Ethics.....</u>	<u>3</u>
PHIL 205 Critical Thinking and Writing in Philosophy.....	3
HUMA 101 Introduction to the Humanities I.....	3
HUMA 103 Introduction to the New Testament.....	3

**Associate of Arts Degree
Liberal Arts and Sciences: Business
Studies**

Courses Required for the Major:	Units	
ACCT 116A Financial Accounting	4	PSYC 101 General Psychology
ACCT 116B Managerial Accounting	4	PSYC 258 Behavioral Science Statistics
ECON 120 Principles of Macroeconomics	3	SOCO 101 Principles of Sociology
ECON 121 Principles of Microeconomics	3	
		Total Units = 18

Select a minimum of 4 units:	Units
BUSE 101 Business Mathematics	3
BUSE 115 Statistics for Business	3
BUSE 119 Business Communications	3
BUSE 120 Personal Financial Management	3
<u>BUSE 127 Social Media for Business</u>	<u>3</u>
<u>BUSE 129 Introduction to Entrepreneurship</u>	<u>3</u>
BUSE 140 Business Law and the Legal Environment	3
BUSE 190 Academic and Career Opportunities in Business	1
CHIC 141A United States History from a Chicano Perspective	3
CHIC 141B United States History from a Chicano Perspective	3
CISC 181 Principles of Information Systems	4
HIST 100 World History I	3
HIST 101 World History II	3
HIST 105 Introduction to Western Civilization I	3
HIST 109 History of the United States I	3
HIST 110 History of the United States II	3
HIST 115A History of the Americas I	3
HIST 115B History of the Americas II	3
HIST 120 Introduction to Asian Civilizations	3
HIST 121 Asian Civilizations in Modern Times	3
HOSP 101 Introduction to Hospitality & Tourism	3
MATH 116 College and Matrix Algebra	3
MATH 119 Elementary Statistics	3
MATH 121 Basic Techniques of Applied Calculus I	3
MATH 122 Basic Techniques of Calculus II	3
MATH 150 Calculus with Analytic Geometry I	5
POLI 102 The American Political System	3

ACTION

Adoption of a program revision at City College.

Proposed program revision at City College:

**Certificate of Performance
Advanced Manufacturing**

Courses Required for the Major:	Units
MFET 110 Industrial Safety	2
MFET 210 Statistical Process Control.....	3
MFET 230 Lean Manufacturing	3
MFET 150 Manufacturing Automation.....	3

or

MFET 150A Manufacturing Automation I and	
MFET 150B Manufacturing Automation II	1.5

It is recommended that MFET 150 and MFET 210 be completed before taking MFET 230.

Total Units = 11

ACTION

Adoption of two program revisions at Mesa College.

Proposed program revisions at Mesa College:

**Associate of Science Degree
Marketing**

Courses Required for the Major:	Units
MARK 100 Principles of Marketing	3
MARK 105 Professional Selling	3
MARK 110 Principles of Retailing	3
MARK 130 Advertising Principles.....	3
ACCT 116A Financial Accounting	4
ACCT 116B Managerial Accounting	4
BUSE 100 1 Introduction to Business	3
BUSE 101 Business Mathematics	3
BUSE 119 Business Communications.....	3
BUSE 140 Business Law and the Legal Environment.....	3
BUSE 150 Human Relations in Business	3
CISC 181 Principles of Information Systems.....	4
ECON 120 Principles of Macroeconomics.....	3
COMS 135 Interpersonal Communication	3
<i>IBUSE 100 is recommended as a first semester course.</i>	

<u>Select 6 units from the following:</u>	<u>Units</u>
<u>BUSE 127 Social Media for Business</u>	<u>3</u>
<u>MARK 105 Professional Selling</u>	<u>3</u>
<u>MARK 110 Principles of Retailing</u>	<u>3</u>
<u>MARK 130 Advertising Principles.....</u>	<u>3</u>

Total Units = ~~45~~ 42

**Certificate of Achievement
Marketing**

Courses Required for the Major:	Units
MARK 100 Principles of Marketing	3
MARK 105 Professional Selling	3
MARK 110 Principles of Retailing	3
MARK 130 Advertising Principles.....	3
ACCT 116A Financial Accounting	4
BUSE 100 1 Introduction to Business	3
BUSE 101 Business Mathematics	3
BUSE 119 Business Communications.....	3
BUSE 140 Business Law and the Legal Environment.....	3
CISC 181 Principles of Information Systems.....	4
<i>IBUSE 100 is recommended as a first semester course.</i>	

<u>Select 6 units from the following:</u>	<u>Units</u>
<u>BUSE 127 Social Media for Business</u>	<u>3</u>
<u>MARK 105 Professional Selling</u>	<u>3</u>
<u>MARK 110 Principles of Retailing</u>	<u>3</u>
<u>MARK 130 Advertising Principles.....</u>	<u>3</u>

Total Units = ~~32~~ 29

ACTION

Adoption of two program revisions at Mesa College.

Proposed program revisions at Mesa College:

**Certificate of Achievement
Medical Assisting**

Program Prerequisites:-	Units
MEDA 110 Medical Terminology	3
and	
MEDA 055 Fundamentals Human Anatomy and Physiology.....	3
or	
BIOL 160 Elements of Human Anatomy and Physiology.....	4

Courses required for the major:	Units
MEDA 055 Fundamentals Human Anatomy and Physiology.....	3
or	
<u>BIOL 160 Elements of Human Anatomy and Physiology.....</u>	<u>4</u>
MEDA 056 Administrative Medical Assisting I	1.5
MEDA 064 Medical Ethics and Legal Issues for the Allied Health Professional	1
MEDA 068 Human Behavior for Allied Health Students	3
MEDA 076 Principles of Infection Control and Sterile Technique	1.5
MEDA 078 Principles of Patient Care.....	2
MEDA 082 Diagnostic Testing	1
MEDA 084 Phlebotomy for Medical Assisting..	2
MEDA 086 Administrative Medical Assisting II.....	2
MEDA 088 Electrocardiogram Application	0.5
MEDA 092 Minor Surgery	0.5
MEDA 094 Medication Administration	0.5
MEDA 096 Directed Clinical Practice	3
<u>MEDA 097 Directed Clinical Practice</u>	<u>4.5</u>
MEDA 110 Medical Terminology.....	3
MEDA 115 Pathophysiology.....	3

Total Units =~~27.5~~ 29-30

**Associate of Science Degree
Medical Assisting**

Program Prerequisites:-	Units
MEDA 110 Medical Terminology	3
and	
MEDA 055 Fundamentals Human Anatomy and Physiology.....	3
or	
BIOL 160 Elements of Human Anatomy and Physiology.....	4

Courses required for the major:	Units
MEDA 055 Fundamentals Human Anatomy and Physiology.....	3
or	
<u>BIOL 160 Elements of Human Anatomy and Physiology.....</u>	<u>4</u>
MEDA 056 Administrative Medical Assisting I	1.5
MEDA 064 Medical Ethics and Legal Issues for the Allied Health Professional	1
MEDA 068 Human Behavior for Allied Health Students	3
MEDA 076 Principles of Infection Control and Sterile Technique	1.5
MEDA 078 Principles of Patient Care.....	2
MEDA 082 Diagnostic Testing	1
MEDA 084 Phlebotomy for Medical Assisting..	2
MEDA 086 Administrative Medical Assisting II.....	2
MEDA 088 Electrocardiogram Application	0.5
MEDA 092 Minor Surgery	0.5
MEDA 094 Medication Administration	0.5
MEDA 096 Directed Clinical Practice	3
<u>MEDA 097 Directed Clinical Practice</u>	<u>4.5</u>
MEDA 110 Medical Terminology.....	3
MEDA 115 Pathophysiology.....	3

Total Units =~~27.5~~ 29-30

ACTION

Adoption of a program revision at Miramar College.

Proposed program revision at Miramar College:

**Associate of Science Degree
Audio Production and Engineering**

Courses Required for the Major:	Units
MUSI 108 The Business of Music.....	3
MUSI 150A Basic Musicianship	3
MUSI 190 The Electronic Music Studio	3
MUSI 201 Recording Arts.....	3
MUSI 202 Computer Music	3
MUSI 204 Audio System Design and Maintenance	3
MUSI 205A Projects in Electronic Music	3
MUSI 205B Projects in Electronic Music	3

Complete at least two of the following

courses:	Units
MUSI 209A Electronic Music Studio Internship I.....	1
MUSI 209B Electronic Music Studio Internship II.....	1
MUSI 209C Electronic Music Studio Internship III.....	1
MUSI 209D Electronic Music Studio Internship IV.....	1

Total Units = ~~26~~ 24

ACTION

Adoption of a program revision at Mesa College.

Proposed program revision at Mesa College:

**Certificate of Achievement
Dietary Manager**

Students must complete all of the following courses with a grade of "C" or better within a five-year period at Mesa College in order to earn the Dietary Manager Certificate of Achievement.

Courses Required for the Major:	Units
<u>NUTR 050 Introduction to Dietetic Services in Healthcare</u>	<u>3</u>
<u>NUTR 055 Principles of Cooking in Healthcare Food Service</u>	<u>2</u>
<u>NUTR 060 Food Operations in Healthcare Management.....</u>	<u>4</u>
<u>NUTR 092 Directed Clinical Practice</u>	<u>3.5</u>
<u>CBTE 151 Microsoft Access: Basic</u>	<u>1</u>
<u>NUTR 150 Nutrition.....</u>	<u>3</u>
<u>CACM 101 Sanitation, Safety and Equipment ...</u>	<u>3</u>
<u>NUTR 116 Principles of Cooking in Healthcare Food Service</u>	<u>1</u>
<u>NUTR 091 Directed Clinical Practice</u>	<u>2</u>
<u>NUTR 180 Nutrition and Diet Therapy</u>	<u>3</u>
<u>NUTR 199 Food Operations in Healthcare Management.....</u>	<u>3</u>
Total Units = 45	<u>13.5</u>

Physical Therapist Assistant

ACTION

Adoption of a program revision at Mesa College.

Proposed program revision at Mesa College:

**Associate of Science Degree
Physical Therapist Assistant**

Program Prerequisites:	Units
BIOL 160 Elements of Human Anatomy and Physiology or	
BIOL 230 Human Anatomy and	
BIOL 235 Human Physiology	4
MATH 096 Intermediate Algebra and	
Geometry	5
COMS 135 Interpersonal Communication	3

<u>PHYR 291 Directed Clinical Practice I.....</u>	<u>3</u>
<u>PHYR 295 Directed Clinical Practice II.....</u>	<u>5</u>
<u>PHYR 298 Directed Clinical Practice III.....</u>	<u>5</u>
PHYR 292 Directed Clinical Practice	2
PHYR 294 Directed Clinical Practice II.....	3
PHYR 297 Directed Clinical Practice III.....	3

Total Units = ~~53~~ 57 46

Courses Required for the Major:	Units
PHYR 210 Introduction to Physical Therapy	2
PHYR 215 Documentation Skills	1
PHYR 220 Growth, Development, and Aging ...	3
PHYR 225 Acute Care Techniques	2
PHYR 225L Acute Care Techniques Lab.....	2
PHYR 230 Introduction To Human Movement..	3
PHYR 240 Introduction to Pathology.....	3
PHYR 250 Introduction to Therapeutic	
Exercise.....	2
PHYR 260 Topics in Neurology and	
Rehabilitation	2
PHYR 260L Topics in Neurology and	
Rehabilitation Lab.....	2
PHYR 263 Patient Management.....	1
PHYR 264 Therapeutic Modalities.....	1.5
PHYR 264L Therapeutic Modalities Lab	1.5
PHYR 275 Orthopedic Exercise and	
Rehabilitation	3
PHYR 275L Orthopedic Exercise and	
Rehabilitation-Lab	2
PHYR 280 Organization of Physical Therapy....	2

Radiologic Technology

ACTION

Adoption of two program revisions at Mesa College.

Proposed program revisions at Mesa College:

**Certificate of Achievement
Radiologic Technology**

Program Prerequisites:-	Units
BIOL 160 Elements of Human Anatomy and Physiology	4
MATH 096 Intermediate Algebra and Geometry	5
CISC 150 Introduction to Computer and Information Sciences	3
or	
CISC 181 Principles of Information Systems	4
PHYS 100 Introductory Physics	4
MEDA 110 Medical Terminology	3
COMS 135 Interpersonal Communication or	
COMS 180 Intercultural Communication	3
CHEM 100 Fundamentals of Chemistry	3

Courses Required for the Major:	Units
RADT 050 Concepts in Imaging Technology	2
RADT 060 Venipuncture for Radiology	0.5
RADT 086 Fluoroscopy and Radiation Safety	2.5
RADT 086L Fluoroscopy and Radiation Safety Laboratory	0.5
RADT 101 Basic Radiologic Technology	2
RADT 110 Recording Media	2
RADT 121 Radiographic Exposure	3
RADT 121C Radiographic Exposure Laboratory	1
RADT 131 Patient Care	3
RADT 150 Forensic Radiology for the Radiologic Technologist	2
RADT 190 Radiographic Positioning I	1
RADT 190L Radiographic Positioning-I Laboratory	1
RADT 192 Image Analysis for Radiologic Technology	2
RADT 201 Radiographic Positioning II	1

RADT 201L Radiographic Positioning II Laboratory	1
RADT 210 Radiographic Positioning III	1
RADT 210L Radiographic Positioning III Lab ..	1
RADT 221 Advanced Imaging Techniques	2
RADT 230 Radiologic Science	2
RADT 241 Sectional Anatomy	1
RADT 241L Sectional Anatomy Lab	0.5
RADT 242 Organization of Radiology	1
RADT 231 Pathology for Imaging Sciences	2
<u>RADT 251A Directed Clinical Practice I</u>	<u>3</u>
<u>RADT 251B Directed Clinical Practice II</u>	<u>4</u>
<u>RADT 252A Directed Clinical Practice III</u>	<u>5</u>
<u>RADT 252B Directed Clinical Practice IV</u>	<u>5</u>
<u>RADT 253A Directed Clinical Practice V</u>	<u>5</u>
<u>RADT 253B Directed Clinical Practice VI</u>	<u>5</u>
<u>RADT 254A Directed Clinical Practice I</u>	<u>4.5</u>
<u>RADT 254B Directed Clinical Practice II</u>	<u>6</u>
<u>RADT 254C Directed Clinical Practice III</u>	<u>7.5</u>
<u>RADT 255A Directed Clinical Practice IV</u>	<u>7.5</u>
<u>RADT 255B Directed Clinical Practice V</u>	<u>7.5</u>
<u>RADT 255C Directed Clinical Practice VI</u>	<u>7.5</u>
<u>RADT 275 Computed Tomography Imaging</u>	<u>2</u>
<u>RADT 275L Computed Tomography Imaging Laboratory</u>	<u>0.5</u>

Total Units = 64.5 78

Associate of Science Degree Radiologic Technology

Program Prerequisites:-	Units	
BIOL 160 Elements of Human Anatomy and Physiology	4	RADT 241L Sectional Anatomy Lab
MATH 096 Intermediate Algebra and Geometry	5	RADT 242 Organization of Radiology.....
CISC 150 Introduction to Computer and Information Sciences	3	RADT 231 Pathology for Imaging Sciences
or		RADT 251A Directed Clinical Practice I.....
CISC 181 Principles of Information Systems.....	4	RADT 251B Directed Clinical Practice II.....
PHYS 100 Introductory Physics	4	RADT 252A Directed Clinical Practice III.....
MEDA 110 Medical Terminology	3	RADT 252B Directed Clinical Practice IV
COMS 135 Interpersonal Communication or		RADT 253A Directed Clinical Practice V.....
COMS 180 Intercultural Communication	3	RADT 253B Directed Clinical Practice VI.....
CHEM 100 Fundamentals of Chemistry	3	RADT 254A Directed Clinical Practice I.....
		RADT 254B Directed Clinical Practice II.....
		RADT 254C Directed Clinical Practice III.....
		RADT 255A Directed Clinical Practice IV
		RADT 255B Directed Clinical Practice V.....
		RADT 255C Directed Clinical Practice VI
		RADT 275 Computed Tomography Imaging
		RADT 275L Computed Tomography Imaging Laboratory.....
 Courses Required for the Major:	 Units	 Total Units = 64.5 78
RADT 050 Concepts in Imaging Technology	2	
RADT 060 Venipuncture for Radiology	0.5	
RADT 086 Fluoroscopy and Radiation Safety	2.5	
RADT 086L Fluoroscopy and Radiation Safety Laboratory.....	0.5	
RADT 101 Basic Radiologic Technology	2	
RADT 110 Recording Media.....	2	
RADT 121 Radiographic Exposure.....	3	
RADT 121C Radiographic Exposure Laboratory.....	1	
RADT 131 Patient Care.....	3	
RADT 150 Forensic Radiology for the Radiologic Technologist	2	
RADT 190 Radiographic Positioning I	1	
RADT 190L Radiographic Positioning-I Laboratory.....	1	
RADT 192 Image Analysis for Radiologic Technology	2	
RADT 201 Radiographic Positioning II	1	
RADT 201L Radiographic Positioning II Laboratory.....	1	
RADT 210 Radiographic Positioning III.....	1	
RADT 210L Radiographic Positioning III Lab ..	1	
RADT 221 Advanced Imaging Techniques.....	2	
RADT 230 Radiologic Science	2	
RADT 241 Sectional Anatomy.....	1	