

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:

Business

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

Communication Studies

Adoption of a new course at City College, Mesa College and Miramar College. **(Attachment B)**

Diagnostic Medical Sonography

Adoption of twelve new courses at Mesa College. **(Attachment C)**

Disability Support Program and Services

Adoption of two new courses at Continuing Education. **(Attachment D)**

Engineering Technology

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

English

Adoption of an experimental course at Miramar College. **(Attachment F)**

Escrow

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

Fire Protection Technology

Adoption of three course deactivations at Miramar College. **(Attachment H)**

Information, Network, and Web Technologies

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

Real Estate

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

Biology

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

Business Administration

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

Business Administration

Adoption of two new programs at Mesa College. **(Attachment M)**

Business Studies

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

Computer Business Technology

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

Digital Medical Sonography

Adoption of two new programs at Mesa College. **(Attachment P)**

Electromechanical Engineering Technology

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

Humanities

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

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

ACTION

Adoption of a new course at Mesa College.

Proposed new course at Mesa College:

129 Introduction to Entrepreneurship
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.

Students in this course develop an understanding of the complex tasks faced by individuals engaged in entrepreneurial activities. Emphasis is placed on understanding and identifying the psychological traits and behaviors of the entrepreneurial mindset, the ideation process, feasibility planning, resource acquisition, pitching a business idea and the conceptual steps for launching a new business venture. This course is designed for all students interested in understanding entrepreneurship and how small businesses prepare to launch. (FT) Associate Degree Credit & transfer to CSU.

Communication Studies

ACTION

Adoption of a new course at City College, Mesa College, and Miramar College.

Proposed new course at City College, Mesa College, and Miramar College:

201 Communication and Community

48 - 54 hours lecture, 3 units

Grade Only

Prerequisite: Communication Studies 103 with a grade of "C" or better, or equivalent.

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.

This course is an overview of the academic discipline of Communication Studies, including its history, methods, processes, contexts, and fields of study. Other topics include basic models of communication, communication-related career fields, and health communication. This course is intended for Communication Studies majors or prospective majors. (FT) Associate Degree
Credit & transfer to CSU.

Diagnostic Medical Sonography

ACTION

Adoption of twelve new courses at Mesa College.

Proposed new courses at Mesa College:

100 Sonography Physics and Instrumentation
40 - 45 hours lecture, 48 - 54 hours lab, 3.5 units
Grade Only

Corequisite: Completion of or concurrent enrollment in Diagnostic Medical Sonography 112 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Special Admission - must be admitted to program.

This course studies the instrumentation and physical principles of acoustical physics, transducers, equipment design and application. This course is designed for students enrolled in the Diagnostic Medical Sonography Program. (FT) Associate Degree Credit & transfer to CSU.

105 Quality Assurance and Quality Control in Sonography
32 - 36 hours lecture, 2 units
Grade Only

Prerequisite: Diagnostic Medical Sonography 100 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Special Admission - must be admitted to program.
This course introduces the students to imaging artifacts: causes, troubleshooting and repair. Image critique for quality is also included. This course is designed for students enrolled in the Diagnostic Medical Sonography Program. (FT) Associate Degree Credit & transfer to CSU.

112 Abdominal Sonography
40 - 45 hours lecture, 72 - 81 hours lab, 4 units
Grade Only

Corequisite: Completion of or concurrent enrollment in Diagnostic Medical Sonography 100 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Special Admission - must be admitted to program.
This course presents the anatomy, pathology and disease process of the abdominal structures. This course is designed for students enrolled in the Diagnostic Medical Sonography Program. (FT) Associate Degree Credit & transfer to CSU.

120 Obstetrics and Gynecological Sonography
40 - 45 hours lecture, 72 - 81 hours lab, 4 units
Grade Only

Corequisite: Completion of or concurrent enrollment in Diagnostic Medical Sonography 100 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Special Admission - must be admitted to program.

This course studies the female reproductive system, including the non-gravid pelvis along with the gravid pelvis. Topics include fetal gestational age, fetal anatomy, pathology, laboratory tests, and scanning protocols. This course is designed for students enrolled in the Diagnostic Medical Sonography Program. (FT) Associate Degree Credit & transfer to CSU.

130 Sonography of Small Parts and Pathological Conditions
32 - 36 hours lecture, 72 - 81 hours lab, 3.5 units
Grade Only

Corequisite: Completion of or concurrent enrollment in Diagnostic Medical Sonography 100 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Special Admission - must be admitted to program.
This course presents image characteristics of pathological conditions of small parts. Diseases of the liver, pancreas, kidneys, adrenals, lymph nodes, thyroid, testis, neonatal head and hips, and breast that use Doppler technology are also introduced. This course is designed for students enrolled in the Diagnostic Medical Sonography Program. (FT) Associate Degree Credit & transfer to CSU.

Diagnostic Medical Sonography

140 Introduction to Vascular Sonography **32 - 36 hours lecture, 48 - 54 hours lab, 3 units** **Grade Only**

Corequisite: Completion of or concurrent enrollment in Diagnostic Medical Sonography 100 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Special Admission - must be admitted to program.

This course is an introduction to vascular ultrasound of the upper and lower extremities including Doppler principles and instrumentation. This course is designed for students enrolled in the Diagnostic Medical Sonography Program. (FT Not Required) Associate Degree Credit & transfer to CSU.

145 Advanced Vascular Ultrasound **32 - 36 hours lecture, 48 - 54 hours lab, 3 units** **Grade Only**

Prerequisite: Diagnostic Medical Sonography 140 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Special Admission - must be admitted to program.

This course covers the arterial testing of the body: neck, chest, abdomen, pelvis, upper and lower extremities. This course is designed for students enrolled in the Diagnostic Medical Sonography Program. (FT Not Required) Associate Degree Credit & transfer to CSU.

205 Sonography Overview **32 - 36 hours lecture, 2 units** **Grade Only**

Prerequisite: Diagnostic Medical Sonography 100 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Special Admission - must be admitted to program.

This course combines skills obtained in the clinical environment along with the didactic information to ensure success in the workforce. The course focuses on the technical aspects of scanning, abdomen, small parts, OB/GYN and physics to ensure success on the national examinations. This course is designed for students enrolled in the Diagnostic Medical Sonography Program. (FT) Associate Degree Credit & transfer to CSU.

220 Directed Clinical Practice I **338 - hours other, 4.5 units** **Grade Only**

Corequisite: Completion of or concurrent enrollment in Diagnostic Medical Sonography 112 with a grade of "C" or better, or equivalent.

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

This course is designed for students enrolled in the Diagnostic Medical Sonography Program. This course is to introduce the student to the clinical environment. The will be exposed to patient flow, observations of procedures and protocols along with facilities policies and procedures. (FT) Associate Degree Credit & transfer to CSU.

225 Directed Clinical Practice II **525 - hours other, 7 units** **Grade Only**

Prerequisite: Diagnostic Medical Sonography 220 with a grade of "C" or better, or equivalent.

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

This course is designed for students enrolled in the Diagnostic Medical Sonography Program. This course takes place in the hospital or clinical setting. Students will be exposed to scanning protocols of the breast, thyroid, scrotum and vascular imaging. Students will demonstrate competency in scanning small parts per facilities protocols utilizing ultrasound equipment. (FT) Associate Degree Credit & transfer to CSU.

230 Directed Clinical Practice III **144 - hours other, 2 units** **Grade Only**

Prerequisite: Diagnostic Medical Sonography 225 with a grade of "C" or better, or equivalent.

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

This course is designed for students enrolled in the Diagnostic Medical Sonography Program. Intermediate clinical experience. This course will study sonography exams of the female pelvis and fetal imaging. A variety of dynamic imaging using equipment identifying pathological conditions. (FT) Associate Degree Credit & transfer to CSU.

Diagnostic Medical Sonography

235 Directed Clinical Practice IV

525 - hours other, 7 units

Grade Only

Prerequisite: Diagnostic Medical Sonography 230 with a grade of "C" or better, or equivalent.

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

This course is designed for student enrolled in the Diagnostic Medical Sonography Program. Advanced scanning techniques includes clinical experience in the ultrasound department. Advance recognition of disease process, pathology, scanning protocols and ability to perform procedures under indirect supervision is included in the course. (FT) Associate Degree Credit & transfer to CSU.

Disability Support Program and Services

ACTION

Adoption of two new courses at Continuing Education.

Proposed new courses at Continuing Education:

625D COMMUNICATION ON THE JOB

This course is designed for students with disabilities who want to learn how to improve communication skills that relate to employment. This course will include activities to enhance written and verbal communication skills including electronic communication, workplace behavior, and working with managers and supervisors. The course will also cover interview skills, interacting with peers and co-workers, and seeking assistance on the job. (FT)

642D LIFE MANAGEMENT/CAREER PREP

This course is designed for students with disabilities to promote independence by teaching career and life planning, and setting short and long term goals. Topics include personal development and characteristics for work, job search strategies and techniques, identifying community resources, and developing a career and life action plan. (FT)

ACTION

Adoption of a course deactivation at City College.

Proposed course deactivation at City College:

225 Product Development

**32 - 36 hours lecture, 48 - 54 hours lab, 3 units
Grade Only**

Prerequisite: Engineering 152 with a grade of "C" or better, or equivalent.

Corequisite: Completion of or concurrent enrollment in Engineering Technology 200 and Technical Writing 101, each with a grade of "C" or better, or equivalent.

This is a Capstone course intended for students enrolled in their last semester of an Engineering Technology major. Students combine skills from prior coursework and from this course to take a design from conception to full production (or a portion thereof) using such elements such as Gantt planning, Electronic and Mechanical analysis as necessary. (FT) Associate Degree Credit & transfer to CSU.

ACTION

Adoption of an experimental course at Miramar College.

Proposed experimental course at Miramar College:

265C Accelerated English

32 - 36 hours lecture, 2 units

Pass/No Pass

Prerequisite: English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R4 and W4.

This course is designed for students who are eligible for English 48 and 49 but desire to concurrently enroll in English 101: Reading and Composition. It offers additional academic support to prepare students to read and write successfully at the transfer level. (FT) Not applicable to the Associate Degree.

ACTION

Adoption of a course deactivation at City College.

Proposed course deactivation at City College:

101 Escrow Procedures – Beginning
48 - 54 hours lecture, 3 units
Grade Only

This course covers methods and techniques of escrow procedure for various types of real estate transactions, including the legal and ethical responsibilities of persons engaged in escrow work. Some of the topics included are types of escrow, preparation of documents, terminology, phraseology, title and escrow procedures, and the method of adjusting taxes, rents, and other charges. (FT)
Associate Degree Credit & transfer to CSU.

ACTION

Adoption of three course deactivations at Miramar College.

Proposed course deactivations at Miramar College:

320A Command 1A

**8 - 10 hours lecture, 24 - 30 hours lab, 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.

Limitation on Enrollment: This course is not open to students with previous credit for Fire Technology 222A, Fire Protection Technology 200A or Fire Protection Technology 222A.

This course provides the fire company officer with information and experience in command and control techniques used at the scene of a structure fire emergency. It provides an in-depth analysis of the principles of fire control including utilization of personnel and equipment, fire problem pre-planning, and the use of extinguishing agents on the fire ground. Other topics include the principles of command; command safety and the risk management process; and post-incident actions. This course is intended for practicing firefighters and others interested in firefighting command and control. (FT) Associate Degree Credit only and not Transferable.

320B Fire Command 1B

**8 - 10 hours lecture, 24 - 30 hours lab, 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.

Limitation on Enrollment: This course is not open to students with previous credit for Fire Technology 222B, Fire Protection Technology 200B or Fire Protection Technology 222B.

This course provides an in-depth analysis of the tactics, strategies, and scene management principles for multi-casualty incidents, hazardous materials incidents, and wildland fires. Topics include multi-casualty triage; hazardous materials identification; toxicology; offensive and defensive wildland fire fighting strategies; and wildland fire safety. This course is intended for practicing firefighters or others interested in fire fighting command and control. (FT) Associate Degree Credit only and not Transferable.

320C Command 1C

**8 - 10 hours lecture, 24 - 30 hours lab, 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; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.

Limitation on Enrollment: This course is not open to students with previous credit for Fire Protection Technology 200C.

This course introduces fire company officers to the wildland urban interface (WUI) fire fighting environment. Topics include the WUI environment; fire behavior forecasting; and WUI operation principles; safety and survival; and incident operations. This course is intended for practicing firefighters or others interested in fire fighting command and control. (FT) Associate Degree Credit only and not Transferable.

ACTION

Adoption of four new courses at City College.

Proposed new courses at City College:

101 Introduction to Information Security
48 - 54 hours lecture, 3 units
Grade Only

Advisory: English for Speakers of Other Languages 45 or 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.
This course is an introduction to a variety of information and cyber security topics. Emphasis is placed on foundational technical concepts as well as managerial and policy roles. Topics include the foundations of information security; legal, ethical and professional issues of security and privacy; threat and vulnerability assessment; security risk management; roles and responsibilities of personnel; introductory cryptography; security considerations in system support; and access controls and maintenance for securing information assets. This course is designed for students interested in information and technology assets, and a general awareness of security issues in these systems. (FT) Associate Degree Credit & transfer to CSU.

111 Windows Desktop Professional
24 - 27 hours lecture, 72 - 81 hours lab, 3 units
Grade Only

Advisory: English for Speakers of Other Languages 45 or 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.
This course is an in-depth study of installation and configuration methodologies of a current Windows desktop operating system. Emphasis is placed on the various methods of local installation, configuration of core local services, and general management and maintenance of a Windows client operating system. Topics include building solid identities; protection of content (data loss protection); mobile device management and policy; virtualization with Hyper-V; and application management using the company portal and Windows Store. This course is designed for students who plan to take the Microsoft Certified Solutions Associate (MCSA) exams 70-697 and 70-698. (FT) Associate Degree Credit & transfer to CSU.

112 Windows Server Professional
24 - 27 hours lecture, 72 - 81 hours lab, 3 units
Grade Only

Advisory: English for Speakers of Other Languages 45 or 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.
This course is an in-depth study of the Windows Server environment. Emphasis is placed on the various roles the Windows Server operating system fills in an enterprise environment. Topics include the installation and configuration of server roles; implementing Active Directory Domain Services (AD DS); mobile device management and policy; virtualization with Hyper-V; backup and storage solutions; and various computational features and functionalities of Windows Server operating system. This course is designed for students who plan to take the Microsoft Certified Solutions Associate (MCSA) exams 70-740, 70-741, and 70-742. (FT) Associate Degree Credit & transfer to CSU.

**205 CompTIA Advanced Security Practitioner
(CASP) Certification Training**
48 - 54 hours lecture, 48 - 54 hours lab, 4 units
Grade Only

Advisory: Information, Network, and Web Technologies 100 and Information, Network, and Web Technologies 200, each with a grade of "C" or better, or equivalent.

Advisory: Completion of or concurrent enrollment in Information, Network, and Web Technologies 120 and Information, Network, and Web Technologies 140, each with a grade of "C" or better, or equivalent. This course provides students with the skills and technical knowledge needed to conceptualize, design, and engineer security solutions across complex enterprise environments. Emphasis is placed on the principles of Enterprise Security, Research and Analysis, Risk Management, Policy/Procedure and Legal, Integration of Computing, Business Disciplines, and Communications as they relate to security factors affecting network environments. This course is designed for student preparing for the CASP exam or any students interested in cybersecurity. CompTIA's Advanced Security Practitioner (CASP) certification is included in the approved list of certifications that meet the Department of Defense (DoD) Directive 8570.1. (FT) Associate Degree Credit & transfer to CSU.

ACTION

Adoption of a course deactivation at City College.

Proposed course deactivation at City College:

166 Common Interest Development
48 - 54 hours lecture, 3 units
Grade Only

This course is a study of Common Interest Developments (CID) and the management of related Homeowner's Associations (HOA). Emphasis is placed on providing students with up-to-date management procedures and the application of California law where appropriate. This course is designed for students pursuing a career in Real Estate and/or those interested in CIDs. (FT) Associate Degree Credit & transfer to CSU.

ACTION

Adoption of a new program at City College.

Proposed new program at City College:

**Associate of Arts Degree
Sustainability**

Courses Required for the Major:	Units
SUST 101 Introduction to Sustainability	3
BIOL 101 Issues in Environmental Science & Sustainability.....	4
ECON 121 Principles of Microeconomics	3
GEOG 101 Physical Geography	3
SOCO 223 Globalization and Social Change	3
MATH 115 Gateway to Experimental Statistics	4
or	
MATH 119 Elementary Statistics or	
PHIL 101 Symbolic Logic or	
PSYC 258 Behavioral Science Statistics or	
BUSE 115 Statistics for Business or	
BIOL 200 Biological Statistics	3

Total Units = 19 – 20

Business Administration

ACTION

Adoption of two program revisions at Mesa College.

Proposed program revisions at Mesa College:

**Certificate of Achievement
Business Administration**

Courses Required for the Major:	Units
BUSE 100 Introduction to Business or	
MARK 100 Principles of Marketing	3
<u>BUSE 115 Statistics for Business</u> or	
MATH 119 Elementary Statistics.....	3
BUSE 119 Business Communications.....	3
BUSE 140 Business Law and the Legal Environment.....	3
ACCT 116A Financial Accounting	4
ACCT 116B Managerial Accounting	4
CISC 181 Principles of Information Systems.....	4
ECON 120 Principles of Macroeconomics.....	3
ECON 121 Principles of Microeconomics	3
Total Units = 30	

**Associate of Science Degree
Business Administration**

Courses Required for the Major:	Units
BUSE 100 Introduction to Business or	
MARK 100 Principles of Marketing	3
<u>BUSE 115 Statistics for Business</u> or	
MATH 119 Elementary Statistics.....	3
BUSE 119 Business Communications.....	3
BUSE 140 Business Law and the Legal Environment.....	3
ACCT 116A Financial Accounting	4
ACCT 116B Managerial Accounting	4
CISC 181 Principles of Information Systems.....	4
ECON 120 Principles of Macroeconomics.....	3
ECON 121 Principles of Microeconomics	3
ENGL 101 Reading and Composition	3
Total Units = 33	

Business Administration

Pursuant to Section 78016 of the Education Code, the following is a program review summary:
Certificate of Achievement, Small Business Management and Entrepreneurship Program

- A. Labor Market Information¹: The annual average number of persons employed in the Small Business Management and Entrepreneurship program area was 750,000 in the 2015 employment year. Approximately 7,000 new job openings are projected through 2017-2019.
- B. Duplication²: Cuyamaca College, MiraCosta College, and San Diego City College
- C. Effectiveness³: Program area OR the projected enrollment of 175 for spring 2018 in the new program area.
 - 1. Californian Labor Market Report – Size of Business, San Diego County, Table 4 (Number of employees in Businesses employing 1 – 99 employees) CA Employment Development Department, www.ca.gov; San Diego County Economic Forecast
 - 2. CCCCCO, CCC Curriculum Inventory Database
 - 3. Estimated from current enrollment levels

ACTION

Adoption of a new program at Mesa College.

Proposed new program at Mesa College:

**Certificate of Achievement
Small Business Management and
Entrepreneurship**

Courses Required for the Major:	Units
BUSE 119 Business Communications.....	3
MARK 100 Principles of Marketing	3
BUSE 129 Introduction to Entrepreneurship	3
BUSE 155 Managing the Small Business.....	3
ACCT 150 Computer Accounting Applications	3
BUSE 150 Human Relations in Business	3

Total Units = 18

Business Administration

Pursuant to Section 78016 of the Education Code, the following is a program review summary:
Associate of Science Degree, Small Business Management and Entrepreneurship Program

- A. Labor Market Information¹: The annual average number of persons employed in the Small Business Management and Entrepreneurship program area was 750,000 in the 2015 employment year. Approximately 7,000 new job openings are projected through 2017-2019.
- B. Duplication²: Cuyamaca College, MiraCosta College, and San Diego City College
- C. Effectiveness³: Program area OR the projected enrollment of 175 for spring 2018 in the new program area.
1. Californian Labor Market Report – Size of Business, San Diego County, Table 4 (Number of employees in Businesses employing 1 – 99 employees) CA Employment Development Department, www.ca.gov; San Diego County Economic Forecast
 2. CCCCCO, CCC Curriculum Inventory Database
 3. Estimated from current enrollment levels

ACTION

Adoption of a new program at Mesa College.

Proposed new program at Mesa College:

**Associate of Science Degree
Small Business Management and
Entrepreneurship**

Courses Required for the Major:	Units
BUSE 100 Introduction to Business	3
BUSE 119 Business Communications.....	3
MARK 100 Principles of Marketing	3
BUSE 155 Managing the Small Business.....	3
BUSE 150 Human Relations in Business	3
BUSE 140 Business Law and the Legal Environment.....	3
BUSE 129 Introduction to Entrepreneurship	3
ACCT 116A Financial Accounting	4
ACCT 116B Managerial Accounting	4
CISC 181 Principles of Information Systems.....	4
ECON 120 Principles of Macroeconomics.....	3
ECON 121 Principles of Microeconomics	3
BUSE 115 Statistics for Business	3
MATH 121 Basic Techniques of Applied Calculus I	3

Total Units = 45

ACTION

Adoption of a program revision at City College.

Proposed program revision at City College:

**Certificate of Achievement
Real Estate Broker**

Courses Required for the Major:	Units
REAL 101 Real Estate Principles	3
REAL 105 Legal Aspects of Real Estate I	3
REAL 110 Principles of Real Estate Appraisal I.....	3
REAL 115 Real Estate Finance I.....	3
REAL 120 Real Estate Practice.....	3
REAL 125 Real Estate Economics	3

Six to seven units to be selected from the following:	Units
ACCT 102 Basic Accounting	3
ACCT 116A Financial Accounting	4
BUSE 140 Business Law and the Legal Environment.....	3
ESCR 101 Escrow Procedures – Beginning.....	3
REAL 130 Real Property Management	3
REAL 151 Real Estate Computer Applications	3
REAL 166 Common Interest Development.....	3

Total Units = 24 – 25

ACTION

Adoption of a program revision at Mesa College.

Proposed program revision at Mesa College:

**Associate of Science Degree
Administrative Assistant**

Courses Required for the Major:	Units
CBTE 095 Keyboarding Skill Development	1
CBTE 101 Basic Computer Keyboarding	1
CBTE 114 Introduction to Microsoft Windows	1
CBTE 120 Beginning Microsoft Word.....	2
CBTE 122 Intermediate Microsoft Word	3
CBTE 127 Introduction to PowerPoint	2
<u>Beginning Microsoft PowerPoint</u>	
CBTE 140 Microsoft Excel	2
CBTE 151 Microsoft Access: Basic	1
CBTE 161 Learning the Internet	1
CBTE 164 Introduction to Microsoft Outlook....	1
CBTE 165 Webpage Creation with Dreamweaver or	
WEBD 165 Beginning Web Design: Dreamweaver	3
CBTE 205 Records Management	3
CBTE 211 Office Administration.....	3
<u>WEBD 162 Beginning Web Development: HyperText Markup Language (HTML) and Cascading Style Sheets (CSS).....</u>	<u>2</u>
<u>WEBD 173 E-Commerce Website Creation.....</u>	<u>3</u>
ACCT 150 Computer Accounting Applications	3
BUSE 101 Business Mathematics	3
BUSE 119 Business Communications.....	3

Total Units = ~~33~~ 35

Digital Medical Sonography

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

- | | | |
|----|---|---|
| A. | Labor Market Information ¹ : | The annual average number of persons employed in the Diagnostic Medical Sonography program area was <u>484</u> in the 2015 employment year. Approximately <u>36</u> new job openings are projected through 2015-2018. |
| B. | Duplication ² : | University of California, San Diego |
| C. | Effectiveness ³ : | Program area OR the projected enrollment of <u>300</u> for 2018-2019 in the new program area. |
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1. Doing What Matters – Strong Workforce Supply and Demand Tables; Doing What Matters – Strong Workforce Supply and Demand Tables
 2. Doing What Matters – Strong Workforce Supply and Demand Tables
 3. Faculty projections based on a cohort of 20.

ACTION

Adoption of a new program at Mesa College.

Proposed new program at Mesa College:

Certificate of Achievement Diagnostic Medical Sonography

Program Prerequisites	Units	Courses Required for the Major:	Units
MEDA 110 Medical Terminology.....	3	DMSG 100 Sonography Physics and Instrumentation	3.5
BIOL 160 Elements of Human Anatomy and Physiology.....	4	DMSG 105 Quality Assurance and Quality Control in Sonography	2
PHYS 100 Introductory Physics.....	4	DMSG 112 Abdominal Sonography.....	4
MATH 096 Intermediate Algebra and Geometry.....	5		
or		DMSG 120 Obstetrics and Gynecological Sonography	4
MATH 015C Intermediate Algebra and Geometry Refresher	1	DMSG 130 Sonography of Small Parts and Pathological Conditions	3.5
COMS 103 Oral Communication	3	DMSG 140 Introduction to Vascular Sonography	3
or		DMSG 145 Advanced Vascular Ultrasound.....	3
COMS 180 Intercultural Communication.....	3	DMSG 205 Sonography Overview.....	2
CISC 150 Introduction to Computer and Information Sciences.....	3	DMSG 220 Directed Clinical Practice I.....	4.5
or		DMSG 225 Directed Clinical Practice II.....	7
CISC 181 Principles of Information Systems.....	4	DMSG 230 Directed Clinical Practice III.....	2
		DMSG 235 Directed Clinical Practice IV	7
		Total Units = 45.5	

Digital Medical Sonography

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

- A. Labor Market Information¹: The annual average number of persons employed in the Diagnostic Medical Sonography program area was 484 in the 2015 employment year. Approximately 36 new job openings are projected through 2015-2018.
- B. Duplication²: University of California, San Diego
- C. Effectiveness³: Program area OR the projected enrollment of 300 for 2018-2019 in the new program area.
 - 1. Doing What Matters – Strong Workforce Supply and Demand Tables; Doing What Matters – Strong Workforce Supply and Demand Tables
 - 2. Doing What Matters – Strong Workforce Supply and Demand Tables
 - 3. Faculty projections based on a cohort of 20.

ACTION

Adoption of a new program at Mesa College.

Proposed new program at Mesa College:

**Associate of Science Degree
 Diagnostic Medical Sonography**

Program Prerequisites:	Units	Courses Required for the Major:	Units
MATH 096 Intermediate Algebra and Geometry	5	DMSG 100 Sonography Physics and Instrumentation	3.5
or		DMSG 105 Quality Assurance and Quality Control in Sonography	2
MATH 015C Intermediate Algebra and Geometry Refresher	1	DMSG 112 Abdominal Sonography.....	4
COMS 103 Oral Communication or		DMSG 120 Obstetrics and Gynecological Sonography	4
COMS 180 Intercultural Communication.....	3	DMSG 130 Sonography of Small Parts and Pathological Conditions	3.5
BIOL 160 Elements of Human Anatomy and Physiology	4	DMSG 140 Introduction to Vascular Sonography	3
PHYS 100 Introductory Physics	4	DMSG 145 Advanced Vascular Ultrasound.....	3
MEDA 110 Medical Terminology.....	3	DMSG 205 Sonography Overview.....	2
CISC 150 Introduction to Computer and Information Sciences.....	3	DMSG 220 Directed Clinical Practice I.....	4.5
or		DMSG 225 Directed Clinical Practice II.....	7
CISC 181 Principles of Information Systems.....	4	DMSG 230 Directed Clinical Practice III.....	2
		DMSG 235 Directed Clinical Practice IV	7
		Total Units = 45.5	

ACTION

Adoption of a program revision at City College.

Proposed program revision at City College:

**Associate of Science Degree
Electromechanical Engineering
Technology**

Courses Required for the Major:	Units
MATH 098 Technical Intermediate Algebra and Geometry.....	4
or	
MATH 096 Intermediate Algebra and Geometry.....	5
and	
MATH 104 Trigonometry	3
ENGN 110 Science for Technical Applications	4
ELDT 123 Introduction to Digital Circuits.....	3
and	
ELDT 123L Digital Circuits Laboratory	1
ELDT 124 Basic DC Electronics.....	4
and	
ELDT 124L Basic DC Laboratory.....	1
ELDT 125 AC Circuit Analysis	4
and	
ELDT 125L DC/AC Circuit Analysis Laboratory with Pspice	1
ELDT 143 Semiconductor Devices	3
and	
ELDT 143L Semiconductor Devices Laboratory.....	1.5
<u>ELDT 224 Microprocessor Design.....</u>	<u>3</u>
and	
<u>ELDT 224L Microprocessor Design Laboratory.....</u>	<u>1.5</u>
ENGE 151 Engineering Drawing	2
ENGE 152 Engineering Design.....	3
ELDT 225 Microcontrollers	3
ELDT 225L Microcontrollers Laboratory	1.5
ENGN 200 Applied Mechanics	3
ENGN 225 Product Development	3
TEHW 101 Introduction to Technical Writing...	3

Total Units = 45—49 28

ACTION

Adoption of a new program at Mesa College.

Proposed new program at Mesa College:

**Associate of Arts Degree
Humanities and Religious Studies**

*Select one six-unit sequence in General Humanities
AND one six-unit sequence in Religious Studies.*

Courses Required for the Major: Units

- HUMA 101 Introduction to the Humanities I
 - and**
 - HUMA 102 Introduction to the Humanities II ...3
 - or**
 - HUMA 118 Eastern Humanities **and**
 - HUMA 119 Western Humanities3
 - HUMA 103 Introduction to the New Testament **and**
 - HUMA 104 Introduction to the Old Testament..3
 - or**
 - HUMA 106 World Religions **and**
 - HUMA 201 Mythology3
- General Humanities Sequences - HUMA 101 and 102
OR HUMA 118 and 119.
Religious Studies Sequences - HUMA 103 and 104 OR
HUMA 106 and 201.*

Select six units from the following: Units

- HUMA 205 Exploring Human Values Through Film.....3
- HUMA 210 Women in Religion and Myth3
- ENGL 220 Masterpieces of World Literature I: 1500 BCE - 1600 CE3
- ENGL 221 Masterpieces of World Literature II: 1600 - Present3
- ARTF 110 Art History: Prehistoric to Gothic.....3
- ARTF 111 Art History: Renaissance to Modern 3
- HIST 154 Ancient Egypt3
- PHIL 110 Philosophy of Religion3

Total Units = 18