

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:

Architecture

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

Automotive Technology

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

Computer and Information Science

Adoption of a new course at Continuing Education. **(Attachment C)**

Dramatic Arts

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

Geology

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

Mathematics

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

Architecture

Adoption of a program deactivation at Mesa College. **(Attachment G)**

Biology

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

Computer and Information Science

Adoption of a new program at Continuing Education. **(Attachment I)**

Sociology

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

Shelly Hess, Ed.D.
Interim Vice Chancellor
Instructional Services

B. STATEMENT OF ISSUE/PURPOSE (continued)

1. Background and Purpose: (continued)

Visual and Performing Arts

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

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 course deactivation at Mesa College.

Proposed course deactivation at Mesa College:

296 Individualized Instruction in Architecture
24 - 108 hours other, 0.5-2 units
Pass/No Pass

Limitation on Enrollment: Concurrent enrollment in an approved course of the same discipline is required. The instructor of the related course will supply Add Code to the student, which permits registration in the course. This course provides supplemental instruction to reinforce achievement of the learning objectives of a course in the same discipline under the supervision of the instructor of the designated course. Learning activities may employ a variety of self-paced multimedia learning systems, language labs, print and electronic resources, laboratory, or field research arrangements, to assist student in reaching specific learning objectives. This open entry/open exit course is offered concurrently with designated courses. (FT) Associate Degree Credit & transfer to CSU.

Automotive Technology

ACTION

Adoption of three course deactivations at Miramar College.

Proposed course deactivations at Miramar College:

**53A Introduction to Automotive Technology
Module I**
**12 - 13.5 hours lecture, 12 - 13.5 hours lab, 1
units**
Grade Only

Advisory: Mathematics 34A with a grade of "C" or better, or equivalent or Assessment Skill Level M20.
Advisory: Completion of or concurrent enrollment in English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R4 and W4.
Limitation on Enrollment: This course is not open to students with previous credit for Automotive Technology 112 or Automotive Technology 53.
This first course in a three course series introduces students to automotive tools and safety procedures. Topics include safety equipment, safe work habits, and the use of basic automotive hand, power, and lifting tools. This course is intended for beginning automotive technology students or anyone interested in the automotive industry. (FT) Associate Degree Credit only and not Transferable.

**53B Introduction to Automotive Technology
Module II**
**12 - 13.5 hours lecture, 12 - 13.5 hours lab, 1
units**
Grade Only

Advisory: Automotive Technology 53A with a grade of "C" or better, or equivalent; Mathematics 34A with a grade of "C" or better, or equivalent or Assessment Skill Level M20.
Advisory: Completion of or concurrent enrollment in English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R4 and W4.
Limitation on Enrollment: This course is not open to students with previous credit for Automotive Technology 112 or Automotive Technology 053.
This second course in a three course series provides an overview of major automotive systems. Topics include engines; engine electrical systems; fuel, ignition, and emission systems; power train; chassis system; and brakes. This course is intended for beginning automotive technology students or anyone interested in the automotive industry.

**53C Introduction to Automotive Technology
Module III**

**4 - 4.5 hours lecture, 36 - 40.5 hours lab, 1
units**

Grade Only

Advisory: Automotive Technology 53A and Automotive Technology 53B, each with a grade of "C" or better, or equivalent; Mathematics 34A with a grade of "C" or better, or equivalent or Assessment Skill Level M20.

Advisory: Completion of or concurrent enrollment in English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R4 and W4.

Limitation on Enrollment: This course is not open to students with previous credit for Automotive Technology 112 or Automotive Technology 53.

This third course in a three course series introduces students to the automotive industry and vehicle diagnostics. Topics include occupational options, industry terminology, vehicle diagnostic procedures, and vehicle inspections/repair estimates. This course is intended for beginning automotive technology students or anyone interested in the automotive industry. (FT) Associate Degree Credit only and not Transferable.

ACTION

Adoption of a new course at Continuing Education.

Proposed new course at Continuing Education:

642 SERVER ADMIN FUNDAMENTALS

Advisory: Microcomputer Basics or equivalent.
This course includes the installation, configuration, and management of the Windows Server Operating System. Students will learn about server administration tools, Active Directory, account management and security, and server performance troubleshooting. Students will be introduced to network services, web servers, and DNS servers. (FT)

ACTION

Adoption of a new course at Mesa College.

Proposed new course at Mesa College:

**260B Spanish One Acts Production and
Performance II**

**48 - 54 hours lab, 1 units
Grade Only**

Prerequisite: Dramatic Arts 260A with a grade of "C" or better, or equivalent.

This course is an application of the collaborative skills required to produce The Spanish Language One Acts. Emphasis is placed on the coordination of the design and technical elements, stage management, and directing. This course is intended for advanced Spanish language or drama students. (FT) Associate Degree Credit & transfer to CSU.

ACTION

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

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

111 The Earth Through Time

48 - 54 hours lecture, 48 - 54 hours lab, 4 units

Letter Grade or Pass/No Pass Option

Advisory: English 101 or English 105, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30 and Geology 100 or Geology 104, each with a grade of "C" or better, or equivalent.

This course covers the principles of historical geology. Topics include the origin and evolution of Earth and its biosphere, plate tectonics, stratigraphy, paleontology, and geologic dating.

This course is intended for students with a general interest in geoscience, as well as those majoring in geology, earth science, or geological engineering. (FT) Associate Degree Credit & transfer to CSU.

ACTION

Adoption of a course deactivation at Miramar College.

Proposed course deactivation at Miramar College:

41 Math Study Skills

16 - 18 hours lecture, 1 units

Pass/No Pass

Limitation on Enrollment: This course is not open to students with previous credit for Mathematics 265.

This course is designed to assist students in learning mathematics through the development of successful study skills and exam-taking methods. This course addresses learning styles, how to read a math book, completing homework assignments, how to take notes and exams, basics of calculator operations and techniques for overcoming math anxiety. Credit for this course does not apply to the associate degree. (FT) Not applicable to the Associate Degree.

ACTION

Adoption of a program deactivation at Mesa College.

Proposed program deactivations at Mesa College:

**Certificate of Performance
Architecture**

Courses Required for the Major:	Units
ARCH 126 History of Ancient World Architecture or	
ARCH 127 History of World Arch: Romanesque Through Contemporary and	
ARCH 170 Architectural Design.....	7
ARCH 172 Architectural Design II.....	4
ARCH 220 Graphic Design Communication I...2	
ARCH 226 Architectural Theory	3

Total Units = 12-16

**Certificate of Performance
Architecture Technician**

Courses Required for the Major:	Units
ARCH 105 Introduction to AutoCAD.....	2
ARCH 106 Advanced Computer Aided Drafting I.....	3
ARCH 111 Architectural Production Detailing..	4
ARCH 200 Architectural Detailing.....	4
ARCH 250 Site Design, Topography and Grading	4

Total Units = 17

**Certificate of Performance
Computer Aided Drafting**

Courses Required for the Major:	Units
ARCH 105 Introduction to AutoCAD.....	2
ARCH 106 Advanced Computer Aided Drafting I.....	3
ARCH 107 Introduction to Revit	3
ARCH 101 Introduction to ArchiCAD.....	3

Total Units = 11

**Certificate of Performance
Garden Design**

Courses Required for the Major:	Units
ARCH 135 Tree Identification	3
ARCH 155 Environmental Design I: Creating Exterior Spaces	5
ARCH 136 Shrubs, Vines, Groundcover Identification	3
ARCH 235 Plants and Design	5

Total Units = 16

**Certificate of Performance
Landscape Architecture Technician**

Courses Required for the Major:	Units
ARCH 105 Introduction to AutoCAD.....	2
ARCH 106 Advanced Computer Aided Drafting I.....	3
ARCH 235 Plants and Design	5
ARCH 250	4

Total Units = 14

**Certificate of Achievement
Architecture**

Courses Required for the Major:	Units
ARCH 100 Architectural Drafting	2
ARCH 101 Introduction to ArchiCAD	3
ARCH 105 Introduction to AutoCAD	2
ARCH 126 History of Ancient World Architecture or	
ARCH 127 History of World Arch: Romanesque Through Contemporary	3
ARCH 170 Architectural Design	4
ARCH 172 Architectural Design II	4
ARCH 175 Advanced Architectural Design I ...	5
ARCH 180AAdvanced Architectural Design IIA	5
ARCH 220 Graphic Design Communication I ..	2
ARCH 221 Graphic Design Communication II ..	2
ARCH 226 Architectural Theory	3

Total Units = 35

**Certificate of Achievement
Architecture Survey**

Courses Required for the Major:	Units
ARCH 100 Architectural Drafting	2
ARCH 101 Introduction to ArchiCAD	3
ARCH 105 Introduction to AutoCAD	2
ARCH 111 Architectural Production Detailing ..	4
ARCH 126 History of Ancient World Architecture or	
ARCH 127 History of World Arch: Romanesque Through Contemporary	3
ARCH 130 Materials of Construction	3
ARCH 135 Tree Identification	3
ARCH 170 Architectural Design	4
ARCH 190 ..Environmental Design II: Urban and Community Design	5
ARCH 220 Graphic Design Communication I ..	2

Total Units = 31

**Certificate of Achievement
Architecture Technician**

Courses Required for the Major:	Units
ARCH 100 Architectural Drafting	2
ARCH 105 Introduction to AutoCAD	2
ARCH 106 Advanced Computer Aided Drafting I	3
ARCH 111 Architectural Production Detailing ..	4
ARCH 126 History of Ancient World Architecture or	
ARCH 127 History of World Arch: Romanesque Through Contemporary	3
ARCH 130 Materials of Construction	3
ARCH 200 Architectural Detailing	4
ARCH 205 Estimating	3
ARCH 250 Site Design, Topography and Grading	4

Total Units = 28

**Certificate of Achievement
Construction Management**

Courses Required for the Major:	Units
ARCH 100 Architectural Drafting	2
ARCH 105 Introduction to AutoCAD	2
ARCH 111 Architectural Production Detailing ..	4
ARCH 130 Materials of Construction	3
ARCH 205 Estimating	3
BLDC 075 Construction Management I	3
BLDC 080 Construction Project Management and Scheduling	3
BLDC 070 Building Codes and Zoning	3
BLDC 068 Electrical, Plumbing and Mechanical Codes	3
BLDC 095 Building Contractor's License Law ..	3

Total Units = 29

**Certificate of Achievement
Landscape Architecture**

Courses Required for the Major:	Units
ARCH 100 Architectural Drafting	2
ARCH 135 Tree Identification	3
ARCH 136 Shrubs, Vines, Groundcover Identification	3
ARCH 155 Environmental Design I: Creating Exterior Spaces	5
ARCH 190 Environmental Design II: Urban and Community Design	5
ARCH 220 Graphic Design Communication I ..	2
ARCH 221 Graphic Design Communication II	2
ARCH 230 Sustainability in the Built Environment.....	5

Total Units = 27

**Certificate of Achievement
Woodbury University Track**

Courses Required for the Major:	Units
ARCH 101 Introduction to ArchiCAD	3
ARCH 126 History of Ancient World Architecture	3
ARCH 127 History of World Arch: Romanesque Through Contemporary	3
ARCH 130 Materials of Construction	3
ARCH 170 Architectural Design	4
ARCH 172 Architectural Design II	4
ARCH 175 Advanced Architectural Design I ...	5
ARCH 180A Advanced Architectural Design IIA	5
ARCH 220 Graphic Design Communication I ..	2
ARCH 226 Architectural Theory	3

Total Units = 35

**Certificate of Achievement
Landscape Architecture Technician**

Courses Required for the Major:	Units
ARCH 100 Architectural Drafting	2
ARCH 105 Introduction to AutoCAD	2
ARCH 135 Tree Identification	3
ARCH 136 Shrubs, Vines, Groundcover Identification	3
ARCH 155 Environmental Design I: Creating Exterior Spaces	5
ARCH 190 Environmental Design II: Urban and Community Design	5
ARCH 220 Graphic Design Communication I ..	2
ARCH 235 Plants and Design	5
ARCH 250 Site Design, Topography and Grading	4

Total Units = 31

**Associate of Science Degree
Architecture Survey**

Courses Required for the Major:	Units
ARCH 100 Architectural Drafting	2
ARCH 101 Introduction to ArchiCAD	3
ARCH 105 Introduction to AutoCAD	2
ARCH 111 Architectural Production Detailing ..	4
ARCH 126 History of Ancient World Architecture or	
ARCH 127 History of World Arch: Romanesque Through Contemporary	3
ARCH 130 Materials of Construction	3
ARCH 135 Tree Identification	3
ARCH 170 Architectural Design	4
ARCH 190 Environmental Design II: Urban and Community Design	5
ARCH 220 Graphic Design Communication I ...	2

Total Units = 31

Biology

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

Certificate of Achievement Applied Biotechnology Program

- A. Labor Market Information¹: The annual average number of persons employed in the Applied Biotechnology program area was 17,000 in the 2013 employment years. Approximately 950 new job openings are projected through 2014.
- B. Duplication²: None; San Diego Miramar College and Southwestern College’s programs are not similar.
- C. Effectiveness³: Program area OR the projected enrollment of 45 for the 2015-2016 year in the new program area.

- 1. Life Sciences and Biotech Middle Skills Workforce in California, October 2014. http://www.calbiotechcareers.org/wp-content/uploads/2014/11/LS-Biotech-Middle-Skills-Jobs-in-CA_Report_Oct-2014.pdf .
- 2. Cal Biotech Careers. <http://www.calbiotechcareers.org/>
- 3. SDCCD enrollment data.

ACTION

Adoption of a new program at City College.

Proposed new program at City College:

**Certificate of Achievement
Applied Biotechnology**

Courses Required for the Major:	Units
BIOL 091 Employment Skills In Biotechnology	4
BIOL 109 Introduction to Applied Biology	5
BIOL 206 Biotechnology Instrumentation	6

Total Units = 15

Computer and Information Science

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

Certificate of Completion Server Essentials Program

- A. Labor Market Information¹: The annual average number of persons employed in the Server Essentials program area was 83,396 in the 2010-2014 employment years. Approximately 10,600 new job openings are projected through 2013-2016.
- B. Duplication²: City College, Cuyamaca College, MiraCosta College, and Southwestern College.
- C. Effectiveness³: Program area OR the projected enrollment of 96 for the 2015-2016 year in the new program area.

1. Labor Market Information, Employment Development Department, California.
2. Web; and Institutions' class schedules and catalogs.
3. Current enrollment data and program chair Career Technical Education, Continuing Education.

ACTION

Adoption of a new program at Continuing Education.

Proposed new program at Continuing Education:

Certificate of Completion Servers Essentials Program

The Server Essentials Program is designed to provide students with the knowledge and skills needed to manage a server operating system. The program provides students with both the practical and analytical skills needed to install, configure and ensure the operation of a server. The program courses provide instruction in both the Windows and Linux server environments and include planning and installation of the appropriate operating systems, configuration of server components and computer virtualization platforms. Topics include managing file systems, server applications, network configurations, and the use of administrative tools and the control panel. Students will learn about command line processing, user accounts and permissions, and basic shell programming. Students who successfully complete the program can use the

skills learned in a variety of industries and jobs including network and computer systems administrator, computer support specialist and computer operator. This program also serves as a foundation for additional training in information technology

The following courses must be taken to complete the program:

COMP 641 Linux Essentials
COMP 642 Server Admin Fundamentals

ACTION

Adoption of a program revision at Mesa College.

Proposed program revision at Mesa College:

**Associate of Arts Degree
Sociology**

Courses Required for the Major:	Units
SOCO 101 Principles of Sociology	3
SOCO 110 Contemporary Social Problems	3

Select 12 units from the following:	Units
SOCO 125 ⁺ Sociology of the Family	3
<u>SOCO 150 Sociology of Latinos/Latinas</u>	<u>3</u>
SOCO 201 Advanced Principles of Sociology ...	3
SOCO 223 Globalization and Social Change	3
SOCO 270 Work Experience	1-4
ANTH 103 Introduction to Cultural Anthropology	3
PSYC 101 General Psychology	3

⁺*SOCO 125 offered only at Mesa College.*

Total Units = 18

ACTION

Adoption of a program deactivation at City College.

Proposed program deactivations at City College:

**Certificate of Performance
Digital Audio**

Courses Required for the Major:	Units
MUSI 150A Basic Musicianship	3
MUSI 190 The Electronic Music Studio	3
MUSI 201 Recording Arts	3
MUSI 202 Computer Music	3

Total Units = 12

**Certificate of Achievement
Recording Arts**

Courses Required for the Major:	Units
MUSI 150A Basic Musicianship	3
MUSI 190 The Electronic Music Studio	3
MUSI 201 Recording Arts	3
MUSI 202 Computer Music	3
MUSI 205A Projects in Electronic Music	3
RTVF 107 Audio Production	3
DMPR 152 Sound Design and Digital Audio Post Production	3

Total Units = 21

**Associate of Arts Degree
Digital Music Technology**

Courses Required for the Major:	Units
MUSI 108 The Business of Music	3
MUSI 115A Class Piano I	1
MUSI 150A Basic Musicianship	3
MUSI 190 The Electronic Music Studio	3
MUSI 201 Recording Arts	3
MUSI 202 Computer Music	3
MUSI 205A Projects in Electronic Music	3
RTVF 107 Audio Production or	
DMPR 152 Sound Design and Digital Audio Post Production	3
DMPR 151 Introduction to Multimedia	3

Total Units = 25