

Approved 04/03/08

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:

Art-Fine Art

Adoption of three new courses at Mesa College (**Attachment A**)

Computer Business Technology

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

Dental Assisting

Adoption of a three new courses at Mesa College. (**Attachment C1-C2**)

Geographic Information Systems

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

Hospitality

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

Journalism

Adoption of a new course at City and Mesa College. (**Attachment F**)

Mathematics

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

Medical Assisting

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

Peace Studies

Adoption of a new course at City College. (**Attachment I**)

Physical Education

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

Henry T. Ingle, Ph.D.
Vice Chancellor
Instructional Services

Physical Therapy Assistant
Adoption of four new courses at Mesa College. (**Attachment K1-K2**)

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

Art-Fine Art
Adoption of a Program Revision at Mesa College. (**Attachment M**)

Child Development
Adoption of a Program Revision at Mesa College. (**Attachment N1-N2**)

Dental Assisting
Adoption of a Program Revision at Mesa College. (**Attachment O**)

Electromechanical Engineering Technology
Adoption of a new program at City College. (**Attachment P**)

Fashion
Adoption of a Program Revision at Mesa College. (**Attachment Q1-Q2**)

Fire Protection Technology
Adoption of a Program Revision at Miramar College. (**Attachment R1-R2**)

Health Information Technology
Adoption of a Program Revision at Miramar College. (**Attachment S**)

History
Adoption of a Program Revision at Mesa College. (**Attachment T**)

Interior Design
Adoption of a Program Revision at Mesa College. (**Attachment U1-U2**)

Manufacturing Engineering Technology
Adoption of a Program Revision at City College. (**Attachment V**)

Medical Assisting
Adoption of a Program Revision at Mesa College. (**Attachment W**)

Multimedia
Adoption of a Program Revision at Mesa College. (**Attachment X1-X2**)

Nutrition
Adoption of a Program Revision at Mesa College. (**Attachment Y**)

Peace Studies
Adoption of a new program at City College. (**Attachment Z**)

Physical Therapy Assistant
Adoption of a Program Revision at Mesa College. (**Attachment AA**)

Radiologic Technology
Adoption of a Program Revision at Mesa College. (**Attachment BB**)

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 three new courses at Mesa College.

Proposed new courses at Mesa College:

231 Introduction to Digital Art
2 hours lecture, 4 hours lab, 3 units
Letter Grade or Credit/No Credit Option

Advisory: Art-Fine Art 150A and 150B with a grade of "C" or better, or equivalent. Concurrent enrollment in Multimedia 101 with a grade of "C" or better, or equivalent.

This course provides an overview of digital art strategies and practices and their relationship to traditional fine art practices. Students learn about the development of computer technology and its impact on contemporary art since the 1960s. Discussions and studio assignments encompass digital imaging strategies, software art, teleconference art, interactive art, immersive installation art, web art/distance art and activism. Motion-based media such as digital animation, and digital video are also discussed. This course is designed for students interested in digital art. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

232 Introduction to Digital Drawing and Painting
2 hours lecture, 4 hours lab, 3 units
Letter Grade or Credit/No Credit Option

Advisory: Art-Fine Art 155A and 231, and Multimedia 101 with a grade of "C" or better, or equivalent. Concurrent enrollment in: Art-Fine Art 150A and 165A with a grade of "C" or better, or equivalent.

This course provides an overview of digital art strategies and practices and their relationship to traditional fine art drawing and painting. Students produce digital drawings and paintings using digital raster and vector based applications to creatively replicate and expand traditional drawing and painting media. Students extend and explore the hand drawn mark and painted surface in the digital realm. This course is designed for fine art and multimedia students. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

233 Introduction to Digital Photographic Imaging
2 hours lecture, 4 hours lab, 3 units
Letter Grade or Credit/No Credit Option

Advisory: Art-Fine Art 150 A and 165A and 231 and Multimedia 101 with a grade of "C" or better, or equivalent.

This course provides an overview of digital photographic art strategies and practices and their relationship to traditional photographic fine art practices. Students learn about the digital camera, digital photo image processing, digital photomontage, and mixed media compositions. The students are introduced to the manipulation and production of digital image compositions using software applications such as Adobe Photoshop to extend traditional photographic art strategies. This course is designed for fine art and multimedia students. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a course deactivation at Mesa College.

Proposed course deactivation at Mesa College (no longer at any college):

110 Disk Operating Systems

1.5 hours lecture, 1.5 hours lab, 2 units

Grade Only

Advisory: English 51 and English 56, each with a grade of "C" or better, or equivalent, or Assessment Skill Level W5 and R5.

Limitation on Enrollment: This course is not open to students with previous credit for Office Information Systems 151, 151A, or CBTE 110A.

This course is an introduction to PC operating systems, covering the DOS command structure and terminology. In this hands-on course, students use operating commands to perform routine computer work functions. The course also introduces the major features of Windows 3.1, Windows 95, Windows 98, and Windows NT. This course, or sections of this course, may be offered through distance education. (FT)

Associate Degree Credit & transfer to CSU and/or private colleges and universities.

Dental Assisting

ACTION

Adoption of three new courses at Mesa College.

Proposed courses at Mesa College:

124 Basic Dental Assisting

**2 hours lecture, 2 units
Grade Only**

Prerequisite: Dental Assisting 102 with a grade of "C" or better, or equivalent.

Corequisite: Completion of or concurrent enrollment in: Dental Assisting 106 with a grade of "C" or better, or equivalent; Dental Assisting 116 and 124L with a grade of "C" or better, or equivalent.

Limitation on Enrollment: This course is not open to students with previous credit for Dental Assisting 122.

This basic dental assisting course presents the role of the restorative dental assistant. This course includes sterilization/disinfection principles, preparation/function of instruments, matrix systems and care/maintenance of dental equipment. Principles of team positioning as well as delivering dental care in four- and six-handed general dentistry, and moisture control methods are stressed. Patient relations and techniques of team interactions are introduced. This course is for students who have been admitted to the Dental Assisting Program. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

124L Basic Dental Assisting Lab

**6 hours lab, 2 units
Grade Only**

Prerequisite: Dental Assisting 102 with a grade of "C" or better, or equivalent

Corequisite: Completion of or concurrent enrollment in: Dental Assisting 106 with a grade of "C" or better, or equivalent.

Dental Assisting 116L and 124 and 186A with a grade of "C" or better, or equivalent.

Limitation on Enrollment: This course is not open to students with previous credit for Dental Assisting 122L.

This basic dental assisting laboratory course allows for the practical application of chairside dental assisting techniques in restorative dentistry. Students develop skills in manipulation and delivery of restorative materials. In addition, skills are developed in sterilization procedures and in the preparation of instruments. Care and maintenance of equipment used in restorative dentistry are stressed. Team positioning, four & six-handed dentistry, and oral evacuation skills are developed as well as skills in patient handling. This course is for students who have been admitted to the Dental Assisting Program. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities

186B Directed Clinical Practice

**3 units, 225 hours other
Grade Only**

Prerequisite: Dental Assisting 186A with a grade of "C" or better, or equivalent.

Corequisite: Dental Assisting 132L and 136 and 181L, each with a grade of "C" or better, or equivalent.

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

Limitation on Enrollment: This course is not open to students with previous credit for Dental Assisting 185B, 185C and 185D.

This course provides dental assisting students a comprehensive, supervised application of knowledge and skills in all aspects of chairside assisting and administrative procedures in dental offices or clinics. Focus is on the job-ready, safe, legal, ethical and effective application of registered dental assistant functions. Rotations to specialty clinics are required, and will include rotations in orthodontics, surgery and administrative assisting. This course requires a high level of professionalism. Directed clinical practice (DCP) is coordinated by a member of the Dental Assisting program faculty. Supervision of the student is shared by the staff of the dental office or clinic and a faculty member. This course includes 75 hours of dental radiography duties. Students may not be paid for DCP. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at Mesa College.

Proposed course at Mesa College:

090 Introduction to GIS for Fire Fighters
1 hour lecture, 1.5 hours lab, 1.5 units
Letter Grade or Credit/No Credit Option

Advisory: Computer Business Technology 101 and 114, each with a grade of "C" or better, or equivalent.

This course covers the fundamentals of Geographic Information Systems (GIS) for fire fighters, using spatial information and software to map and analyze information associated with fire planning. Labs include hands-on experience with ArcGIS software in the subject areas of map making; scanning, georeferencing, and digitizing fire pre-plans; GIS data creation and management, and working with geoprocessing tools. This course provides the skills and knowledge to create basic spatial data and GIS maps, particularly with reference to fire pre-plans. Students also learn basic GIS skills, a foundation for further study in GIS or to pursue a GIS degree or certificate. (FT) Associate Degree Credit only and not Transferable.

Hospitality

ACTION

Adoption of a two courses at Mesa College.

Proposed courses at Mesa College:

102 Hospitality Financial Reporting
3 hours lecture, 3 units
Grade Only

Advisory: English 56 and Mathematics 32, each with a grade of "C" or better, or equivalent, or Assessment Skill Level R5 and M20.

This course is designed to provide students with an understanding of the principles of finance and accounting and to comprehend the money implications of decisions in hospitality. Because many of the measures of success and failure in the hospitality business are expressed in financial terms, this course covers the aspects of finance and accounting that will be met by a non-financial hospitality employee. Basic relevant financial concepts and financial tools are introduced to improve business decision making including: how to read balance sheets, income statements, profit and loss, and cash flow statements, critical ratios and other financial measurements and to interpret what the numbers mean. This course is intended for all Event Management, Hotel Management, and Culinary Arts / Culinary Management students. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

111 Food and Beverage Management
3 hours lecture, 3 units
Grade Only

Advisory: English 56 with a grade of "C" or better, or equivalent. or Assessment Skill Level R5.

Advisory: Completion of or concurrent enrollment in: Mathematics 32 with a grade of "C" or better, or equivalent, or Assessment Skill Level M20; and Hospitality 101 and 102, each with a grade of "C" or better, or equivalent. This course is designed to provide students with an understanding of the hospitality food service industry, its variety of operations/outlets and how to gain the skills to successfully manage these operations/outlets. Areas of study include an overview of food and beverage outlets, food service marketing, menu analysis, menu cost and pricing strategies. Analyze service standard operating procedures, types of service, food and beverage sourcing, beverage management. Identify sanitation and safety issues and facility design and equipment, food service competitive trends, food service automation, and develop financial acumen. This course is intended for all Event Management, Hotel Management, and Culinary Arts / Culinary Management students. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at City and Mesa College.

Proposed course at City and Mesa College:

201 Advanced Newswriting and Reporting
2 hours lecture, 3 hours lab, 3 units
Letter Grade or Credit/No Credit Option

Prerequisite: Journalism 200 with a grade of "C" or better, or equivalent.

Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels R6 and W6; English 105 with a grade of "C" or better, or equivalent.

This course offers instruction in advanced journalistic practices. Emphasis is placed on feature, magazine and opinion writing, including investigative and multicultural reporting. Topics also include legal and ethical issues related to reporting. Principles learned can apply to print and online journalism. The course serves as preparation for the major for students preparing to transfer, and is also intended to serve as an elective for students interested in learning to write for newspapers and other publications, including the campus newspaper. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

Mathematics

ACTION

Adoption of a new course at City College and a course deactivation at Mesa College.

Proposed new course at City College:

**098 Technical Intermediate Algebra and
Geometry**
4 hours lecture, 4 units
Letter Grade or Credit/No Credit Option

REQUISITES:

Prerequisite: Math 95 with a grade of "C" or better, or equivalent.

Advisory: English 51 and 56 with a grade of "C" or better, or equivalent or Assessment Skill Levels W5 and R5.

This course introduces an applied technology approach to problem solving in Intermediate Algebra and Geometry, and it is intended to support the curriculum required in the Engineering and applied technologies majors. Students are expected to apply problem solving techniques to technology-based situations in their technical physics and applied technology courses. Topics include scientific notation, algebra of functions, linear systems of equations, graphing using log and semi-log paper, technology applications of quadratic, exponential and logarithmic functions, right triangle trigonometry, applications in electronics of vectors and phasors. Special emphasis will be placed on the use of the graphing calculator and mathematical software packages to solve application problems. Associate Degree Credit. (FT) Associate Degree Credit only and not Transferable.

Proposed course deactivation at Mesa College
(course no longer at any college):

106 Introduction to Boolean Algebra
1 hour lecture, 1 unit
Letter Grade or Credit/No Credit Option

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

This course covers Boolean algebra as it applies in general to sets and logical propositions, as well as an introduction to modern applications. This course is design to give students in a broad variety of majors a classical background in mathematical logic, including computer logic circuits. It is strongly recommended for math, engineering and computer science majors. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at Mesa College.

Proposed course at Mesa College:

205 Administrative Medical Assisting II
2.5 hours lecture, 1.5 hours lab, 3 units
Grade Only

Prerequisite: Medical Assisting 110 with a grade of "C" or better, or equivalent.

Advisory: English 51, English 56 and Mathematics 095, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5, R5 or M40.

Limitation on Enrollment: This course is not open to students with previous credit for CBTE 238 and ACCT 186 or Medical Assisting 240 and 245.

This course introduces and instructs allied health students in the use of accounting systems for medical and dental offices (including the pegboard and computerized accounting systems) and health insurance procedures. Emphasis is placed on medical accounting terminology, ledgers, methods used in payroll accounting, preparation of account charts and correct completion of benefit and claim forms. This course also prepares students to work with insurance forms in medical offices, hospitals and other clinical settings and in the proper use of procedural and diagnostic coding utilizing the most current editions of Physicians Current Procedural Terminology and International Classification of Diseases. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at City College.

Proposed course at City College:

101 Introduction to Peace Studies
3 hours lecture, 3 units
Letter Grade or Credit/No Credit Option

Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Level R6/W6.

This course provides an overview of the field of peace studies and offers an in-depth look into theories related to peace, conflict studies and non-violence. Students gain an understanding of the various tools and processes that are used internationally in working towards a more equitable, just and peaceful world. Contemporary case studies are explored offering students an interdisciplinary approach to the field in order to address the four main pillars of the Peace Studies program which are human rights, conflict studies, peace processes and the concept of justice in relation to peace. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at Mesa College.

Proposed course at Mesa College:

**191 Theory and Application of Conditioning -
Advanced Basketball**
2 - 3 hours lab, .5 - 1 unit
Letter Grade or Credit/No Credit Option

Advisory: Completion of or concurrent enrollment in: Physical Education 204 or 205, with a grade of "C" or better, or equivalent.
This course will enhance the physical and mental skills needed to participate in competitive sports activities. Emphasis is placed on weight training, running, skill development games, and individual development for basketball. When this course is offered for three hours a week the additional time is utilized in the practice and perfection of basketball skills. Additionally, all students must demonstrate increased proficiency and skill attainment with each course repetition. This course is designed for those students that wish to participate in intercollegiate basketball. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

Physical Therapy Assistant

ACTION

Adoption of four new courses at Mesa College.

Proposed course at Mesa College:

137 Orthopedic Exercise and Rehabilitation
2 hours lecture, 2 units
Grade Only

Prerequisite: Physical Therapy Assistant 114 and 123 and 126 and 126L with a grade of "C" or better, or equivalent.

Corequisite: Completion of or concurrent

enrollment in: Physical Therapy Assistant 142A with a grade of "C" or better, or equivalent.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapy Assistant 134.

This course provides the student with a kinesiological based approach to the clinical applications used in the treatment and rehabilitation of the client with orthopedic and related diagnoses. The focus is on safe, legal, ethical and appropriate use of therapeutic exercise and screening assessment procedures, including physiological and therapeutic effects and indications and contraindications. This course is for students enrolled in the Physical Therapist Assistant Program. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

137L Orthopedic Rehabilitation and Exercise
6 hours lab, 2 units
Grade Only

REQUISITES:

Prerequisite: Physical Therapy Assistant 114 and 1236 and 126 and 126L with a grade of "C" or better, or equivalent.

Corequisite: Physical Therapy Assistant 142A with a grade of "C" or better, or equivalent.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for students with previous credit for Physical Therapy Assistant 134.

This course provides the student with a kinesiological based approach to the clinical applications used in the treatment and rehabilitation of the client with orthopedic and related diagnoses. The focus is on safe, legal, ethical and appropriate use of therapeutic exercise and screening assessment procedures, including physiological and therapeutic effects and indications and contraindications. This course is for students enrolled in the Physical Therapist Assistant Program. This course fosters the development of communication skills, interpersonal relationships and professionalism required for the health care field. It also requires a high level of critical thinking skills related to implementing and modifying physical therapy interventions. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

Physical Therapy Assistant

138 Topics in Neurology and Rehabilitation
1.5 hours lecture, 1.5 units
Grade Only

Prerequisite: Physical Therapist Assistant and 126L with a grade of "C" or better, or equivalent.

Corequisite: Physical Therapist Assistant 138L and 142A.

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

Limitation on Enrollment: This course is not open to students with previous credit for Physical Therapist Assistant 136.

This course deals with the principles of the functional activities and rehabilitation procedures relating to the management of therapy clients with neurological diagnoses. Other topics include normal growth and development and the rehabilitation of cardiopulmonary conditions. The focus is on the safe, legal, ethical and appropriate use of rehabilitation procedures, including physiological and therapeutic effects. The course also focuses on the development of communication skills, interpersonal relationships and professionalism required for the health care field. It requires a high level of critical thinking related to implementing and modifying physical therapy interventions. This course is for students enrolled in the Physical Therapist Assistant (PTA) Program. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

138L Topics in Neurology and Rehabilitation
3 hours lab, 1 unit
Grade Only

Prerequisite: Physical Therapist Assistant 126 and 126L, each with a grade of "C" or better, or equivalent.

Corequisite: Physical Therapist Assistant 138 and 142A, each with a grade of "C" or better, or equivalent.

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

Limitation on Enrollment: This course is not open to students with previous credit for Physical Therapist Assistant 136.

This course deals with the clinical application of the functional activities and rehabilitation procedures relating to the management of therapy clients with neurological diagnoses. Other topics include normal growth and development and the rehabilitation of cardiopulmonary conditions. The focus is on the safe, legal, ethical and appropriate use of rehabilitation procedures, including physiological and therapeutic effects. The course also focuses on the development of communication skills, interpersonal relationships and professionalism required for the health care field. It requires a high level of critical thinking related to implementing and modifying physical therapy interventions. This course is for students enrolled in the Physical Therapist Assistant (PTA) Program. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at Mesa College.

Proposed course at Mesa College:

201 Introduction to the Psychology Major
1 hour lecture, 1 unit
Credit/No Credit Only

Prerequisite: Psychology 101 with a grade of "C" or better, or equivalent.

Advisory: 30 units of college course work.

This course is a study of career options in the field of Psychology. Emphasis is placed on the identification of career-related strengths and interests and information on post-baccalaureate options in psychology and related fields. This course is designed for students interested in majoring in psychology. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a Program Revision at Mesa College.

Proposed Program Revision at Mesa College:

New Associate in Arts Degree

**Associate in Arts Degree:
Digital Arts Emphasis**

Courses Required for the Major:	Units
ARTF 110, Art History: Prehistoric to Gothic	3
ARTF 111, Art History: Renaissance to Modern	3
ARTF 150A, Design I	3
ARTF 150B, Beginning Graphic Design	3
ARTF 151, Three-Dimensional Design	3
ARTF 155A, Freehand Drawing I.....	3

**Complete Course Requirements for Emphasis in
Digital Art**

MULT 101, Introduction to Multimedia	4
ARTF 231, Introduction to Digital Art.....	3
ARTF 232, Introduction to Digital Drawing and Painting	3
ARTF 233, Introduction to Digital Photographic Imaging	3

Select one course from:

ARTF 165A, Composition in Painting I OR	
ARTF 210A, Life Drawing I OR	
ARTF 190A, Black and White Art Photography OR	
ARTF 174A, Book Arts I OR	
ARTF 198A, Introduction to Printmaking I OR	
MULT 112, Multimedia Authoring OR	
MULT 123, Digital Video	3-4

Total Units = 34-35

Child Development

ACTION

Adoption of a Program Revision at Mesa College.

Proposed Program Revision at Mesa College:

**Certificate of Completion:
Residential Care Workers**

Courses Required for the Major:	Units
CHIL 101, Human Growth and Development	3
CHIL 141, The Child, Family and Community	3
CHIL 175, Infant Toddler Growth and Development	3
CHIL 188, Child Abuse	3
Recommended Electives:	
CHIL 160, Observing and Understanding Children	2
CHIL 161, Observations and Issues in Child Development	2
CHIL 270, Work Experience	1-4
CHIL 291, Child Development Lab Practicum	1-4
CHIL 291A, Child Development Center Practicum	1
CHIL 291B, Child Development Center Practicum	1
CHIL 291C, Child Development Center Practicum	1
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Total Units = 12	

**Certificate of Completion:
Infant/Toddler Care**

Courses Required for the Major:	Units
CHIL 100, Introduction to Child Development OR	
CHIL 101, Human Growth and Development	3
CHIL 175, Infant Toddler Growth and Development	3
CHIL 176, Principles of Infant/Toddler Caregiving	3
Recommended Electives:	
CHIL 160, Observing and Understanding Children	2
CHIL 161, Observations and Issues in Child Development	2
CHIL 270, Work Experience	1-4
CHIL 291, Child Development Lab Practicum	1-4
CHIL 291A, Child Development Center Practicum	1
CHIL 291B, Child Development Center Practicum	1
CHIL 291C, Child Development Center Practicum	1
CHIL 291D, Child Development Center Practicum	1
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Total Units = 9	

**Certificate of Completion:
Family Child Care**

Courses Required for the Major:	Units
CHIL 100, Introduction to Child Development	
OR	
CHIL 101, Human Growth and Development	3
CHIL 180, Nutrition, Health and Safety for Children	3
Select One Course From:	
CHIL 111, Curriculum: Music/Motor Skills OR	
CHIL 121, Curriculum: Art OR	
CHIL 131, Curriculum: Language/Science OR	
CHIL 175, Infant Toddler Growth and Development	3
Recommended Electives:	
CHIL 160, Observing and Understanding Children	2
CHIL 161, Observations and Issues in Child Development	2
CHIL 270, Work Experience	1-4
CHIL 291, Child Development Lab Practicum	1-4
CHIL 291A, Child Development Center Practicum	1
CHIL 291B, Child Development Center Practicum	1
CHIL 291C, Child Development Center Practicum	1
CHIL 291D, Child Development Center Practicum	1
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Total Units = 9	

**Certificate of Completion:
School Age Child Care**

Courses Required for the Major:	Units
CHIL 100, Introduction to Child Development OR	
CHIL 101, Human Growth and Development	3
CHIL 152, School Age Program Planning	3
Select Two Courses From:	
CHIL 185, Computer Usage with Young Children OR	
MATH 210A, Concepts of Elementary School Mathematics I OR	
MUSI 110, Music for Elementary School Teachers OR	
PHYE 240, Physical Education in the Elementary Schools	3
Recommended Electives:	
CHIL 160, Observing and Understanding Children	2
CHIL 161, Observations and Issues in Child Development	2
CHIL 270, Work Experience	1 - 4
CHIL 291, Child Development Lab Practicum	1 - 4
CHIL 291A, Child Development Center Practicum	1
CHIL 291B, Child Development Center Practicum	1
CHIL 291C, Child Development Center Practicum	1
CHIL 291D, Child Development Center Practicum	1
Total Units = 12	

**Certificate of Completion:
Home Day Care**

Courses Required for the Major:	Units
CHIL 100, Introduction to Child Development OR	
CHIL 101, Human Growth and Development	3
CHIL 175, Infant-Toddler Growth and Development	3
CHIL 180, Nutrition, Health and Safety for Children	3
Select One Course From:	
BUSE 119, Business Communications	3
CONF 110, Personal Financial Management	3
Recommended Electives:	
CHIL 160, Observing and Understanding Children	2
CHIL 161, Observations and Issues in Child Development	2
CHIL 270, Work Experience	1 - 4
CHIL 291, Child Development Lab Practicum	1 - 4
CHIL 291A, Child Development Center Practicum	1
CHIL 291B, Child Development Center Practicum	1
CHIL 291C, Child Development Center Practicum	1
CHIL 291D, Child Development Center Practicum	1
Total Units = 12	

Dental Assisting

ACTION

Adoption of a Program Revision at Mesa College.

Proposed Program Revision at Mesa College:

**Associate in Science Degree:
Dental Assisting (RDA, CDA)**

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

Courses Required for the Major:Units	
DENA 102, Dental Communications	3
DENA 103, Preventive Dental Care	1.5
DENA 103L, Preventive Dental Care Lab	0.5
DENA 106, Basic Dental Science	3.5
DENA 116, Dental Materials	2
DENA 116L, Dental Materials - Lab	1
DENA 122, Basic Dental Assisting	1
DENA 122L, Basic Dental Assisting Lab	1
DENA 124, Basic Dental Assisting	2
DENA 124L, Basic Dental Assisting Lab	2
DENA 127, Dental Radiology	2
DENA 127L, Dental Radiography Lab	1
DENA 128, Dental Radiology I	2.5
DENA 128L, Dental Radiography Lab	1
DENA 132, Clinical Business Management	1.5
DENA 132L, Clinical Business Management Lab	1
DENA 136, Dental Radiography II	1
DENA 161, Intermediate Dental Assisting	2
DENA 161L, Intermediate Dental Assisting Lab	1
DENA 181, Advanced Dental Assisting	2
DENA 181L, Advanced Dental Assisting Lab	2
DENA 185A, Directed Clinical Practice	1
DENA 185B, Directed Clinical Practice	1
DENA 185C, Directed Clinical Practice	1
DENA 185D, Directed Clinical Practice	1
DENA 186A, Directed Clinical Practice	1
DENA 186B, Directed Clinical Practice	3
Total Units = 33.5	

Courses Required for the Major:	Units
DENA 102, Dental Communications	3
DENA 103, Preventive Dental Care	1.5
DENA 103L, Preventive Dental Care Lab	0.5
DENA 106, Basic Dental Science	3.5
DENA 116, Dental Materials	2
DENA 116L, Dental Materials - Lab	1
DENA 122, Basic Dental Assisting	1
DENA 122L, Basic Dental Assisting Lab	1
DENA 124, Basic Dental Assisting	2
DENA 124L, Basic Dental Assisting Lab	2
DENA 127, Dental Radiology	2
DENA 127L, Dental Radiography Lab	1
DENA 128, Dental Radiology I	2.5
DENA 128L, Dental Radiography Lab	1
DENA 132, Clinical Business Management	1.5
DENA 132L, Clinical Business Management Lab	1
DENA 136, Dental Radiography II	1
DENA 161, Intermediate Dental Assisting	2
DENA 161L, Intermediate Dental Assisting Lab	1
DENA 181, Advanced Dental Assisting	2
DENA 181L, Advanced Dental Assisting Lab	2
DENA 185A, Directed Clinical Practice	1
DENA 185B, Directed Clinical Practice	1
DENA 185C, Directed Clinical Practice	1
DENA 185D, Directed Clinical Practice	1
DENA 186A, Directed Clinical Practice	1
DENA 186B, Directed Clinical Practice	3
Total Units = 33.5	

ACTION

Adoption of a new program at City College.

Proposed program at City College:

**Certificate of Completion:
Advanced Electromechanical
Technology**

Courses Required for the Major:Units	
ELDT 143, Semiconductor Devices.....	3
ELDT 143L, Semiconductor Devices Laboratory.....	1.5
ELDT 225, Microcontrollers.....	3
ELDT 225L, Microcontrollers Laboratory.....	1.5
ENGE 152, Engineering Design	3
Total Units = 12	

**Certificate of Completion:
Electromechanical Technology**

Courses Required for the Major:Units	
ENGN 110, Science for Technical Applications.....	4
ELDT 123, Introduction to Digital Circuits	3
ELDT 123L, Digital Circuits Laboratory.....	1
ELDT 124, Basic DC/AC Electronics.....	4
ELDT 124L, Basic DC/AC Laboratory	1
ENGE 151, Engineering Drawing.....	2
Total Units = 15	

**Associate in Science Degree:
Electromechanical Engineering
Technology**

Courses Required for the Major:	Units
MATH 098, Technical Intermediate Algebra and Geometry OR	
MATH 096 Intermediate Algebra and Geometry	4-5
MATH 104, Trigonometry	3
ENGN 110, Science for Technical Applications	4
ELDT 123, Introduction to Digital Circuits.....	3
ELDT 123L, Digital Circuits Laboratory	1
ELDT 124, Basic DC/AC Electronics	4
ELDT 124L, Basic DC/AC Laboratory	1
ELDT 125, DC/AC Circuit Analysis with Pspice	4
ELDT 125L, DC/AC Circuit Analysis Laboratory	1
ELDT 143, Semiconductor Devices	3
ELDT 143L, Semiconductor Devices Laboratory	1.5
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 = 48-49	

ACTION

Adoption of a Program Revision at Mesa College.

Proposed Program Revisions at Mesa College:

**Certificate of Completion:
Fashion Design/Production**

Courses Required for the Major: Units

FASH 130, Apparel Construction I	3
FASH 140, Clothing Design and Flat Pattern I	3
FASH 171, Computer Flat Pattern Design	3
Select One Course From:	
FASH 172, Computer Flat Pattern Design II OR	
BUSE 101, Business Mathematics	3
Total Units = 12	

**Certificate of Achievement:
Fashion Design**

Courses Required for the Major: Units

FASH 105, Introduction to Fashion.....	3
FASH 120, Fashion History and Trends.....	3
FASH 125, Fashion Selection.....	3
FASH 130, Apparel Construction I	3
FASH 140, Clothing Design and Flat Pattern I	3
FASH 142, Fashion Sketching.....	3
FASH 145, Clothing Design Through Draping	3
FASH 155, Fashion Field Studies.....	1 - 4
FASH 175, Computer Fashion Design I: Adobe PhotoShop OR	
FASH 176, Computer Fashion Design II: Adobe Illustrator	3
FASH 199A, Fashion Laboratory A	1
FASH 199B, Fashion Laboratory B.....	1
FASH 270, Work Experience	2 - 4
CONF 140, Textiles.....	3
Total Units = 32 - 37	

**Associate in Arts Degree:
Fashion Design**

Courses Required for the Major:	Units
FASH 105, Introduction to Fashion.....	3
FASH 120, Fashion History and Trends.....	3
FASH 125, Fashion Selection.....	3
FASH 130, Apparel Construction I	3
FASH 140, Clothing Design and Flat Pattern I	3
FASH 142, Fashion Sketching	3
FASH 145, Clothing Design Through Draping	3
FASH 150 Clothing Design - Advanced	3
FASH 155, Fashion Field Studies	1 - 4
FASH 175, Computer Fashion Design I: Adobe PhotoShop OR	
FASH 176, Computer Fashion Design II: Adobe Illustrator	3
FASH 199A, Fashion Laboratory A.....	1
FASH 199B, Fashion Laboratory B	1
FASH 270, Work Experience	2 - 4
BUSE 100, Introduction to Business	3
BUSE 101, Business Mathematics	3
ENGL 101, Reading and Composition OR	
BUSE 119, Business Communications	3
ARTF 150A, Design I	3
CONF 140, Textiles.....	3
CBTE 140, Microsoft Excel	2
Select One Course From:	
SPEE 103, Oral Communication OR	
SPEE 135, Interpersonal Communication	3
Recommended Electives:	
FASH 110, Fashion Buying/Management	3
FASH 141, Clothing Design and Flat Pattern II	3
FASH 160, Millinery I	1
FASH 161, Millinery II	1
FASH 170, Textile Design	1
FASH 171, Computer Flat Pattern Design	3
FASH 172, Computer Flat Pattern Design II	3
FASH 173, Fashion Marketing on the Internet	1
FASH 175, Computer Fashion Design I: Adobe PhotoShop.....	3
FASH 176, Computer Fashion Design II: Adobe Illustrator	3
FASH 178, Computer Publishing and Portfolio	3
FASH 190, Fashion Entrepreneurship	3
FASH 290, Independent Study.....	1 - 3
Total Units = 40-45	

**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 115, Visual Merchandising	3
FASH 125, Fashion Selection	3
FASH 155, Fashion Field Studies	1 - 4
FASH 175, Computer Fashion Design I: Adobe PhotoShop.....	3
FASH 178, Computer Publishing and Portfolio	3
FASH 270, Work Experience	2 - 4
CONF 140, Textiles	3
CBTE 140, Microsoft Excel	2
Select One Course From:	
MARK 105, Professional Selling OR	
MARK 110, Principles of Retailing OR	
MARK 130, Advertising Principles OR	
FASH 190, Fashion Entrepreneurship	3
Total Units = 32 - 37	

**Associate in Arts 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
FASH 115, Visual Merchandising	3
FASH 125, Fashion Selection	3
FASH 155, Fashion Field Studies	1 - 4
FASH 175, Computer Fashion Design I: Adobe PhotoShop.....	3
FASH 178, Computer Publishing and Portfolio	3
FASH 190 Fashion Entrepreneurship.....	3
FASH 270, Work Experience	2 - 4
BUSE 100, Introduction to Business.....	3
BUSE 101, Business Mathematics.....	3
ENGL 101, Reading and Composition OR	3
BUSE 119, Business Communications.....	3
ARTF 150A, Design I 3	
CONF 140, Textiles.....	3
CBTE 140, Microsoft Excel	2
Select One Course From:	
MARK 105, Professional Selling OR	
MARK 110, Principles of Retailing OR	
MARK 130, Advertising Principles.....	3
Select One Course From:	
SPEE 103, Oral Communication OR	3
SPEE 135, Interpersonal Communication	3
Recommended Electives:	
ACCT 116A, Financial Accounting	4
ECON 120, Principles of Economics I	3
FASH 120, Fashion History and Trends	3
FASH 130, Apparel Construction I	3
FASH 173, Fashion Marketing on the Internet	1
FASH 175, Computer Fashion Design I: Adobe PhotoShop	3
FASH 176, Computer Fashion Design II: Adobe Illustrator	3
FASH 290, Independent Study	1-3
Total Units = 38 - 43	

Fire Protection Technology

ACTION

Adoption of a Program Revision at Miramar College.

Proposed Program Revision at Miramar College:

**Certificate of Achievement:
Fire Prevention**

Courses Required for the Major:	Units
ENGL 101, Reading and Composition.....	3
FIPT 100A, Introduction to Fire Suppression and Maintenance Manipulative Tasks (Beginning).....	3.5
FIPT 100B, Introduction to Fire Suppression and Maintenance Manipulative Tasks (Intermediate).....	3.5
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 202A, Fire Prevention IA	2
FIPT 202B, Fire Prevention IB	2
FIPT 202C, Fire Prevention IC	2
FIPT 203A, Fire Investigation IA	2
FIPT 203B, Fire Investigation IB	2
FIPT 205, Public Education I	2
ADJU 356A, 832 PC Laws of Arrest	2.5
Total Units = 30.5	

**Certificate of Achievement:
Fire Technology**

Courses Required for the Major:	Units
FIPT 100A, Introduction to Fire Suppression and Maintenance Manipulative Tasks (Beginning)	3.5
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 110, Wildland Fire Control	3
EMGM 105, Emergency Medical Technician - National Registry OR	
FIPT 130, Emergency Medical Technician-State Fire Marshal	6
Total Units = 33.5	

**Certificate of Achievement:
Fire Protection**

Courses Required for the Major:	Units
FIPT 200A, Fire Command IA	2
FIPT 200B, Fire Command IB	2
FIPT 200C, Fire Command IC	1.5
FIPT 201, Fire Management I.....	2
FIPT 202A, Fire Prevention IA	2
FIPT 202B, Fire Prevention IB	2
FIPT 203A, Fire Investigation IA	2
FIPT 204A, Instructor Training IA	2
FIPT 204B, Instructor Training IB	2
FIPT 381F, Basic Fire Fighter 1 Academy	9
EMGM 105, Emergency Medical Technician - National Registry OR	
FIPT 130, Emergency Medical Technician-State Fire Marshal	6
Total Units = 32.5	

Fire Protection Technology

**Associate in Science Degree:
Fire Prevention**

Courses Required for the Major:	Units
ENGL 101, Reading and Composition.....	3
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 202A, Fire Prevention IA	2
FIPT 202B, Fire Prevention IB	2
FIPT 202C, Fire Prevention IC	2
FIPT 203A, Fire Investigation IA	2
FIPT 205, Public Education I	2
ADJU 356A, 832 PC Laws of Arrest	2.5
Total Units =	30.5

**Associate in Science Degree:
Fire Protection**

Courses Required for the Major:	Units
FIPT 200A, Fire Command IA	2
FIPT 200B, Fire Command IB	2
FIPT 200C, Fire Command 1C	1.5
FIPT 201, Fire Management I.....	2
FIPT 202A, Fire Prevention IA	2
FIPT 202B, Fire Prevention IB	2
FIPT 203A, Fire Investigation IA	2
FIPT 204A, Instructor Training IA	2
FIPT 204B, Instructor Training IB	2
FIPT 381F, Basic Fire Fighter 1 Academy	9
EMGM 105, Emergency Medical Technician - National Registry OR	
FIPT 130, Emergency Medical Technician-State Fire Marshal	6
Total Units =	32.5

**Associate in Science Degree:
Fire Technology**

Courses Required for the Major:	Units
FIPT 100A, Introduction to Fire Suppression and Maintenance Manipulative Tasks (Beginning)	3.5
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 110, Wildland Fire Control	3
EMGM 105, Emergency Medical Technician - National Registry OR	
FIPT 130, Emergency Medical Technician-State Fire Marshal	6
Total Units =	33.5

ACTION

Adoption of a Program Revision at Mesa College.

Proposed Program Revision at Mesa College:

**Associate in Science Degree:
Health Information Technology**

Courses Required for the Major:	Units
HEIT 105, Introduction to Health Information	3
HEIT 125, Basic Pharmacology for Allied Health	2
HEIT 155A, ICD-9-CM Coding I	4
HEIT 155B, ICD-9-CM Coding II	4
HEIT 155C, Current Procedural Terminology (CPT) Coding	3
HEIT 156, Hospital and Health Statistics	3
HEIT 205, Health Law, Accreditation and Licensing Standards	3
HEIT 258, Quality Assessment, Utilization Review & Risk Management	3
HEIT 260, Principles of Supervision and Administration	3
HEIT 261, Directed Clinical Practice A	2
HEIT 262, Directed Clinical Practice B	2
MEDA 105, Fundamentals Human Anatomy and Physiology	3
MEDA 110, Medical Terminology	3
MEDA 115, Pathophysiology	3
CISC 181, Principles of Information Systems	4
CISC 150, Introduction to Computer and Information Sciences	3
CBTE 120, Beginning Microsoft Word	2
CBTE 180, Microsoft Office	3
ENGL 101, Reading and Composition	3
PSYC 101, General Psychology	3
<u>RECOMMENDED ELECTIVES:</u>	
SPEE 099, Voice and Diction for Non-Native Speakers of English	3
SPEE 103, Oral Communication	3
SPEE 135, Interpersonal Communication	3
Total Units = 48	

ACTION

Adoption of a Program Revision at Mesa College.

Proposed Program Revision at Mesa College:

**Associate in Arts Degree:
History**

Courses Required for the Major:Units

HIST 109, History of the United States I3

HIST 110, History of the United States II.....3

Select one six-unit course sequence from the following:

HIST 100, World History I AND

HIST 101, World History II OR

HIST 105, Introduction to Western Civilization I AND

HIST 106, Introduction to Western Civilization II6

Select additional six units from the following:

HIST 100, World History I3

HIST 101, World History II3

HIST 105, Introduction to Western Civilization I.....3

HIST 106, Introduction to Western Civilization II3

HIST 115A, History of the Americas I3

HIST 115B, History of the Americas II3

HIST 120, Introduction to Asian Civilizations.....3

HIST 121, Asian Civilizations in Modern Times.....3

HIST 123, U.S. History from the Asian Pacific
American Perspective3

~~HIST 125, History of England and the
Commonwealth I3~~

~~HIST 126, History of England and the
Commonwealth II3~~

HIST 130, The Middle East Today3

HIST 131, Latin America Before Independence3

HIST 132, Latin America Since Independence3

HIST 141, Women in United States History I.....3

HIST 142, Women in United States History II3

HIST 150, Native Americans in United States History.3

HIST 151, Native Americans in United States History.3

HIST 154, Ancient Egypt.....3

~~HIST 155, Introduction to Classical Civilization3~~

HIST 168, The United States in Vietnam.....3

HIST 171, Twentieth Century America on Film3

HIST 175, California History3

Total Units = 18

Interior Design

ACTION

Adoption of a Program Revision at Mesa College.

Proposed Program Revision at Mesa College:

**Certificate of Achievement:
Interior Design**

Courses Required for the Major: Units

INTE 101, Introduction to Interior Design	3
INTE 115, Elements and Principles of Interior Design	3
INTE 125, Decorative Arts	3
INTE 112A, Drafting for Interiors	3
CONF 140, Textiles	3
ARTF 152, Color Theory	3
INTE 105, Residential Design	3
INTE 112B, Conceptual Drawings for Interiors II	3
ARCH 105, Introduction to AutoCAD	2
INTE 110, Materials and Resources	3
INTE 145, Contemporary Housing	3
INTE 205, Non-Residential Space Planning	3
INTE 200, Advanced Residential Design: Kitchens and Baths	3
INTE 215, Environmental Lighting Design	3
INTE 130, Interior Design Professional Practice	3

Choose One Course From The Following List:

INTE 270 ¹ , Work Experience OR	
ARCH 106, Advanced Computer Aided Drafting I OR	
INTE 210, Presentation and Color Rendering OR	
BLDC 120, Blueprint Reading OR	
BLDC 260, Building Codes and Zoning OR	
BUSE 140, Business Law and the Legal Environment OR	
BUSE 155, Managing the Small Business OR	
SPEE 103, Oral Communication.....	3-4

¹INTE 270 (Work Experience) is recommended for all students. It is mandatory for students to complete INTE 270 with a qualified kitchen or bath designer to receive National Kitchen and Bath Association (NKBA) recognition.

**Or, Select One Course From The Following As Degree
Recommended Electives (During Semesters When
None Of The Above Courses Are Offered):**

ARCH 101, Computer Aided Design and 3D Imaging OR	
ARCH 126, History of Ancient World Architecture OR	
ARCH 127, History of World Arch: Romanesque Through Contemporary OR	
ARCH 155, Environmental Design I: Creating Exterior Spaces OR	
ARTF 150A, Design I OR	
ARTF 150B, Beginning Graphic Design OR	
ARTF 155A, Freehand Drawing I OR	
BLDC 268, Electrical, Plumbing and Mechanical Codes OR	
BLDC 295, Building Contractor's License Law.....	2-5
Total Units = 47-48	

**Associate of Arts Degree:
Interior Design**

Courses Required for the Major:	Units
INTE 101, Introduction to Interior Design	3
INTE 115, Elements and Principles of Interior Design.....	3
INTE 125, Decorative Arts	3
INTE 112A, Drafting for Interiors	3
CONF 140, Textiles	3
ARTF 152, Color Theory	3
INTE 105, Residential Design	3
INTE 112B, Conceptual Drawings for Interiors II.....	3
ARCH 105, Introduction to AutoCAD.....	2
INTE 110, Materials and Resources	3
INTE 145, Contemporary Housing	3
INTE 205, Non-Residential Space Planning	3
INTE 200, Advanced Residential Design: Kitchens and Baths	3
INTE 215, Environmental Lighting Design	3
INTE 130, Interior Design Professional Practice	3
Select Five Courses From The Following List:	
INTE 270 ¹ , Work Experience OR	
ARCH 106, Advanced Computer Aided Drafting I OR	
INTE 210, Presentation and Color Rendering OR	
BLDC 120, Blueprint Reading OR	
BLDC 260, Building Codes and Zoning OR	
BUSE 140, Business Law and the Legal Environment OR	
BUSE 155, Managing the Small Business OR	
SPEE 103, Oral Communication	3-4

¹INTE 270 (Work Experience) is recommended for all students. It is mandatory for students to complete INTE 270 with a qualified kitchen or bath designer to receive National Kitchen and Bath Association (NKBA) recognition.

Recommended Electives:

ARCH 101, Computer Aided Design and 3D Imaging	3
ARCH 105, Introduction to AutoCAD	2
ARCH 126, History of Ancient World Architecture	3
ARCH 127, History of World Arch: Romanesque Through Contemporary	3
ARCH 155, Environmental Design I: Creating Exterior Spaces	5
ARCH 220, Architectural Delineation I	2
ARCH 221, Architectural Delineation II.....	2
ARCH 226, Architectural Theory.....	3
ARTF 107, Contemporary Art.....	3
ARTF 109, Nineteenth and Twentieth Century Art.....	3
ARTF 110, Art History: Prehistoric to Gothic.....	3
ARTF 111, Art History: Renaissance to Modern	3
ARTF 150A, Design I	3
ARTF 150B, Beginning Graphic Design.....	3
ARTF 151, Three-Dimensional Design.....	3
ARTF 152, Color Theory	3
ARTF 155A, Freehand Drawing I	3
ARTF 155B, Freehand Drawing II.....	3
BLDC 268, Electrical, Plumbing and Mechanical Codes.....	3
BLDC 295, Building Contractor's License Law	3

Total Units = 59-60

Manufacturing Engineering Technology

ACTION

Adoption of a Program Revision at City College.

Proposed Program Revision at City College:

New Certificate of Completion:

**Certificate of Completion:
Introduction to Manufacturing**

Courses Required for the Major:	Units
MFET 101, Introduction to Manufacturing Engineering Technology OR	
MFET 101A, Introduction to Manufacturing I AND	
MFET 101B, Introduction to Manufacturing II AND	
MFET 101C, Introduction to Manufacturing III	3
MFET 105, Print Reading and Symbology OR	
MFET 105A, Print Reading I OR	
ENGN 130, Introduction to Engineering Design ...	1.5-3
MFET 105B, Print Reading II	1.5
MFET 107, Introduction to Manufacturing Project	1
	Total Units = 7-8.5

Medical Assisting

ACTION

Adoption of a Program Revision at Mesa College.

Proposed Program Revision at Mesa College:

**Certificate of Achievement:
Medical Assisting**

Courses Required for the Major:	Units
MEDA 100, Principles of Infection Control	1
MEDA 101, Medical Ethics and Legal Issues for the Allied Health Professional	1
MEDA 102, Human Behavior for Allied Health Students	3
MEDA 103, Professionalism and Teamwork in Health Care	1
MEDA 104, Medical Office Management	3
MEDA 105, Fundamentals Human Anatomy and Physiology	3
MEDA 106, Principles of Infection Control and Sterile Technique	1.5
MEDA 110, Medical Terminology	3
MEDA 112, Principles of Patient Care	2
MEDA 113, Diagnostic Testing	1
MEDA 115, Pathophysiology	3
MEDA 145, Directed Clinical Practice	3
MEDA 150, Phlebotomy	2
MEDA 205, Administrative Medical Assisting II.....	3
MEDA 210, Principles of Sterile Technique	0.5
MEDA 220, Electrocardiogram Application	0.5
MEDA 230, Minor Surgery	0.5
MEDA 240, Accounting for Medical Offices	3
MEDA 245, Medical Insurance Procedures	3
MEDA 250, Medication Administration Practicum ..	0.5
Total Units =	30

**Associate in Arts Degree:
Medical Assisting**

Courses Required for the Major:	Units
MEDA 100, Principles of Infection Control	1
MEDA 101, Medical Ethics and Legal Issues for the Allied Health Professional	1
MEDA 102, Human Behavior for Allied Health Students	3
MEDA 103, Professionalism and Teamwork in Health Care	1
MEDA 104, Medical Office Management	3
MEDA 105, Fundamentals Human Anatomy and Physiology	3
MEDA 106, Principles of Infection Control and Sterile Technique.....	1.5
MEDA 110, Medical Terminology	3
MEDA 112, Principles of Patient Care	2
MEDA 113, Diagnostic Testing	1
MEDA 115, Pathophysiology	3
MEDA 145, Directed Clinical Practice	3
MEDA 150, Phlebotomy	2
MEDA 205, Administrative Medical Assisting II.....	3
MEDA 210, Principles of Sterile Technique	0.5
MEDA 220, Electrocardiogram Application	0.5
MEDA 230, Minor Surgery	0.5
MEDA 240, Accounting for Medical Offices	3
MEDA 245, Medical Insurance Procedures	3
MEDA 250, Medication Administration Practicum .	0.5

Required Electives For Majors Take A Minimum Of 6 Units From The Following Courses:

CBTE 205, Records Management OR	
HEIT 105, Introduction to Health Information OR	
HEIT 125, Basic Pharmacology for Allied Health OR	
HEIT 205, Health Law, Accreditation and Licensing Standards OR	
BIOL 160, Elements of Human Anatomy and Physiology.....	2-4

Total Units = 30

ACTION

Adoption of a Program Revision at Mesa College.

Proposed Program Revision at Mesa College:

**Certificate of Completion:
Digital Video**

Courses Required for the Major:	Units
MULT 101, Introduction to Multimedia	4
MULT 112, Multimedia Authoring.....	4
MULT 123, Digital Video.....	3
<u>Select Six Units From:</u>	
DRAM 150, Cinema as Art and Communication I OR	
MULT 127, Creating User-Centered Websites OR	
MULT 137, Introduction to 3D Animation I.....	3
Total Units = 14	

**Certificate of Completion:
Multimedia Survey**

Courses Required for the Major:	Units
MULT 101, Introduction to Multimedia	4
MULT 112, Multimedia Authoring.....	4
ARTF 150A, Design I.....	3
<u>Select Two Courses From:</u>	
ARTF 152, Color Theory OR	
ARTF 150B, Beginning Graphic Design OR	
ARTF 210A, Life Drawing I OR	
DRAM 150, Cinema as Art and Communication I OR	
MULT 118, Multimedia Production OR	
MULT 121, Digital Image Editing OR	
MULT 122, Vector Image Editing OR	
MULT 123, Digital Video OR	
MULT 127, Creating User-Centered Websites OR	
MULT 137, Introduction to 3D Animation I OR	
MULT 139, 3D Character Animation II OR	
MULT 141, 3D Animation: Realism OR	
MULT 143, 3D Animation: Production Studio.....	6
Total Units = 17	

**Certificate of Completion:
Video Game Development**

Courses Required for the Major:	Units
MULT 116, Flash Game Development	4
MULT 120, Introduction to Video Game Development...	3
MULT 121, Digital Image Editing	3
MULT 137, Introduction to 3D Animation I.....	3
MULT 139, 3D Character Animation II.....	3
MULT 141, 3D Animation: Realism.....	3
Total Units = 16	

**Certificate of Achievement:
3D Animation and Modeling**

Courses Required for the Major:	Units
MULT 101, Introduction to Multimedia.....	4
MULT 112, Multimedia Authoring	4
MULT 121, Digital Image Editing	3
MULT 123, Digital Video	3
MULT 127, Creating User-Centered Websites	3
MULT 137, Introduction to 3D Animation I.....	3
MULT 139, 3D Character Animation II.....	3
MULT 141, 3D Animation: Realism.....	3
MULT 143, 3D Animation: Production Studio	3
<u>Select three units from:</u>	
ARTF 150A, Design I OR	
ARTF 150B, Beginning Graphic Design OR	
ARTF 152, Color Theory OR	
ARTF 155A, Freehand Drawing I OR	
ARTF 210A, Life Drawing I	3
Total Units =32	

**Certificate of Achievement:
Interactive Media Production**

Courses Required for the Major:	Units
MULT 101, Introduction to Multimedia	4
MULT 112, Multimedia Authoring.....	4
MULT 114, Intermediate Flash.....	4
MULT 118, Multimedia Production	3
MULT 121, Digital Image Editing.....	3
MULT 122, Vector Image Editing	3
MULT 123, Digital Video.....	3
MULT 127, Creating User-Centered Websites	3
MULT 137, Introduction to 3D Animation I.....	3
ARTF 150A, Design I	3
CBTE 165, Webpage Creation with Dreamweaver	3
Select Six Units from:	
Select one course from:	
MULT 116, Flash Game Development OR	
MULT 122, Vector Image Editing OR	
MULT 139, 3D Character Animation II OR	
MULT 141, 3D Animation: Realism OR	
MULT 143, 3D Animation: Production Studio OR	
ARTF 150A, Design I OR	
ARTF 150B, Beginning Graphic Design OR	
ARTF 151, Three-Dimensional Design OR	
ARTF 152, Color Theory	3-4
Total Units =30-31	

**Associate in Science Degree:
Multimedia**

Courses Required for the Major:	Units
MULT 101, Introduction to Multimedia.....	4
MULT 112, Multimedia Authoring	4
MULT 121, Digital Image Editing	3
MULT 123, Digital Video	3
Select eighteen through twenty units from:	
ARTF 150A, Design I OR	
ARTF 151, Three-Dimensional Design OR	
ARTF 152, Color Theory OR	
ARTF 210A, Life Drawing I OR	
DRAM 150, Cinema as Art and Communication I OR	
MULT 114, Intermediate Flash OR	
MULT 116, Flash Game Development OR	
MULT 118, Multimedia Production OR	
MULT 120, Introduction to Video Game Development OR	
MULT 122, Vector Image Editing OR	
MULT 127, Creating User-Centered Websites OR	
MULT 137, Introduction to 3D Animation I OR	
MULT 139, 3D Character Animation II OR	
MULT 141, 3D Animation: Realism OR	
MULT 143, 3D Animation: Production Studio OR	
CBTE 161, Learning the Internet OR	
CBTE 126, Document Processing	18-20
Recommended Electives:	
ARTF 100, Art Orientation.....	3
ARTF 150A, Design I	3
ARTF 210A, Life Drawing I	3
DRAM 150, Cinema as Art and Communication I.....	3
ENGL 101, Reading and Composition	3
MULT 114, Intermediate Flash	4
MULT 118, Multimedia Production.....	3
MULT 127, Creating User-Centered Websites	3
MULT 137, Introduction to 3D Animation I.....	3
MULT 139, 3D Character Animation II.....	3
MULT 141, 3D Animation: Realism.....	3
MULT 143, 3D Animation: Production Studio	3
CBTE 161, Learning the Internet	1
CBTE 126, Document Processing	3
PSYC 101, General Psychology	3
SPEE 135, Interpersonal Communication	3
CISC 190, Java Programming	4
Total Units = 32-34	

ACTION

Adoption of a Program Revision at Mesa College.

Proposed Program Revision at Mesa College:

**Certificate of Completion:
Dietetic Service Supervisor**

Courses Required for the Major:	Units
CACM 111, Professional Cooking & Service in Hospitality	2
NUTR 150, Nutrition	3
NUTR 180, Nutrition and Diet Therapy	3
NUTR 391, Directed Clinical Practicum	2
CACM 101, Sanitation, Safety and Equipment	3
HOSP 115, Hospitality Operations & Management	3
CACM 130, Quantity Food Preparation Theory.....	3
Total Units = 16	

ACTION

Adoption of a new program at City College.

Proposed new Program at City College:

**Certificate of Completion:
Peace Studies**

Courses Required for the Major:	Units
PEAC 101, Introduction to Peace Studies	3
BIOL 101, Issues in Environmental Biology	4
ANTH 103, Introduction to Cultural Anthropology.....	3
PHIL 102B, Introduction To Philosophy: Values	3
PEAC 277C, Service Learning -- Peace Studies	1
ENGL 101, Reading and Composition OR	
ENGL 105, Composition and Literature	3
Total Units =	17

Physical Therapy Assistant

ACTION

Adoption of a Program Revision at Mesa College.

Proposed Program Revision at Mesa College:

**Associate in Science Degree:
Physical Therapy Assistant**

Program Prerequisites:	Units
BIOL 160, Elements of Human Anatomy and Physiology OR	
BIOL 230, Human Anatomy	4
BIOL 235, Human Physiology	4
Courses Required for the Major:Units	
PHYR 110, Physical Therapy Introduction	2
PHYR 111, Physical Therapy Techniques I.....	4
PHYR 114, Introduction To Human Movement	3
PHYR 116, Physical Therapy Techniques I	2
PHYR 116L, Physical Therapy Techniques I	2
PHYR 120, Physical Therapy Techniques II	4
PHYR 122, Introduction to Pathology	3
PHYR 123, Introduction to Therapeutic Exercise	2
PHYR 126, Physical Therapy Techniques II	2
PHYR 126L, Physical Therapy Techniques II	2
PHYR 134, Orthopedic Exercise and Rehab.....	4
PHYR 136, Topics in Neurology and Rehab	2.5
PHYR 137, Orthopedic Exercise and Rehabilitation ...	2
PHYR 137L, Orthopedic Rehabilitation and Exercise .	2
PHYR 138, Topics in Neurology and Rehabilitation 1.5	
PHYR 138L, Topics in Neurology and Rehabilitation .1	
PHYR 141, Organization of Physical Therapy	2
PHYR 142A, Directed Clinical Practice	2
PHYR 142B, Directed Clinical Practice	4
<u>Select three units from:</u>	
PSYC 101, General Psychology OR	
PSYC 111, Psychological/Social Aspects of Aging, Death and Dying OR	
PSYC 121, Introduction to Child Psychology.....	3
<u>Recommended Electives:</u>	
NUTR 150, Nutrition	3
PHYR 290, Independent Study	1-3
PSYC 125, Introduction to Behavior Modification.....	3
PSYC 128, Biofeedback and Stress Management.....	3
PSYC 230, Psychology of Lifespan Development.....	3
PHYE 242, Care and Prevention of Injuries	2
PHYS 100, Introductory Physics	4
Total Units = 32.5	

Radiologic Technology

ACTION

Adoption of a Program Revision at Mesa College.

Proposed Program Revision at Mesa College:

**Certificate of Achievement:
Radiologic Technology**

Program Prerequisites:	Units
BIOL 160, Elements of Human Anatomy and Physiology	4
ENGL 101, Reading and Composition.....	3
MATH 095, Elementary Algebra and Geometry	5
CISC 150, Introduction to Computer and Information Sciences OR	
CISC 181, Principles of Information Systems	3-4
PSYC 111, Psychological/Social Aspects of Aging, Death and Dying OR	
PSYC 101, General Psychology OR	
MEDA 102, Human Behavior for Allied Health Students	3
CBTE 180, Microsoft Office.....	3
Courses Required for the Major:Units	
RADT 105, Basic Radiologic Technology	3
RADT 110, Recording Media and Processing	2
RADT 120A, Radiographic Exposure	2
RADT 120B, Radiographic Exposure Laboratory	1
RADT 130, Patient Care	2
RADT 199, Radiographic Positioning I	2
RADT 200, Radiographic Positioning II	2
RADT 211, Radiographic Positioning III	2
RADT 220, Radiographic Technique	3
RADT 230, Radiologic Science	2
RADT 240, Radiation Biology	1
RADT 241, Sectional Anatomy	1
RADT 242, Organization of Radiology	1
RADT 243, CT and MRI Imaging	4
RADT 251A, Directed Clinical Practice	3
RADT 251B, Directed Clinical Practice	4
RADT 252A, Directed Clinical Practice	5
RADT 252B, Directed Clinical Practice	5
RADT 253A, Directed Clinical Practice	5
RADT 253B, Directed Clinical Practice	5
Recommended Electives:	
RADT 248, Mammography I.....	1
Total Units = 55	

**Associate in Science Degree:
Radiologic Technology**

Program Prerequisites:	Units
BIOL 160, Elements of Human Anatomy and Physiology.....	4
ENGL 101, Reading and Composition	3
MATH 095, Elementary Algebra and Geometry	5
CISC 150, Introduction to Computer and Information Sciences OR	
CISC 181, Principles of Information Systems	3-4
PSYC 111, Psychological/Social Aspects of Aging, Death and Dying OR	
PSYC 101, General Psychology OR	
MEDA 102, Human Behavior for Allied Health Students.....	3
CBTE 180, Microsoft Office.....	3
Courses Required for the Major: Units	
RADT 105, Basic Radiologic Technology	3
RADT 110, Recording Media and Processing	2
RADT 120A, Radiographic Exposure	2
RADT 120B, Radiographic Exposure Laboratory.....	1
RADT 130, Patient Care	2
RADT 199, Radiographic Positioning I	2
RADT 200, Radiographic Positioning II	2
RADT 211, Radiographic Positioning III	2
RADT 220, Radiographic Technique	3
RADT 230, Radiologic Science	2
RADT 240, Radiation Biology	1
RADT 241, Sectional Anatomy	1
RADT 242, Organization of Radiology	1
RADT 243, CT and MRI Imaging	4
RADT 251A, Directed Clinical Practice	3
RADT 251B, Directed Clinical Practice.....	4
RADT 252A, Directed Clinical Practice	5
RADT 252B, Directed Clinical Practice.....	5
RADT 253A, Directed Clinical Practice	5
RADT 253B, Directed Clinical Practice.....	5
Recommended Electives:	
RADT 248, Mammography I	1
Total Units = 55	

