

Approved 2/28/08

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:

Administration of Justice

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

Digital Media

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

Fire Protection Technology

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

Medical Assisting

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

Medical Assisting

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

Manufacturing Engineering Technology

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

Physical Education

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

Physical Therapist Assistant

Adoption of four new courses at Mesa College. (**Attachment H**)

Computer Business Technology - Administrative Assistant

Adoption of a Program Revision at City College. (**Attachment I**)

Computer Business Technology - Computer Business Technology

Adoption of a Program Revision at City College. (**Attachment J1-J2**)

Computer Business Technology - Legal Administrative Assistant

Adoption of a Program Revision at City College. (**Attachment K1-K2**)

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

Computer Information Systems

Adoption of a Program Revision at City College. (**Attachment L**)

Electronics

Adoption of a Program Revision at City College. (**Attachment M**)

Manufacturing Education Technology

Adoption of a Program Revision at City College. (**Attachment N1-N3**)

2. Cost and Funding

There is no additional cost to the District

C. PROPOSAL

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

Administration of Justice

ACTION

Adoption of three new courses at Miramar College.

Proposed courses at Miramar College:

101A Introduction to Administration of Justice I
1 hour lecture, 1 unit
Grade Only

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

Limitation on Enrollment: This course is not open to students with previous credit for Administration of Justice 101.

This first of three courses in a series introduces students to the philosophy and history of administration of justice. Topics include the nature of crime and victimization; the criminal justice system; police history, organization, role, and function; and the juvenile justice system. This course is intended for students majoring in Administration of Justice. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

101B Introduction to Administration of Justice II
1 hour lecture, 1 unit
Grade Only

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

Limitation on Enrollment: This course is not open to students with previous credit for Administration of Justice 101.

This second course in a three course series provides an overview of crime and police problems in the field of administration of justice. Topics include the substance and procedure of criminal law and various issues in the profession of policing. This course is intended for students majoring in Administration of Justice. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

101C Introduction to Administration of Justice III
1 hour lecture, 1 unit
Grade Only

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

Limitation on Enrollment: This course is not open to students with previous credit for Administration of Justice 101.

This third course in a three course series introduces students to the organization and jurisdiction of law enforcement agencies. Topics include the rule of law; the role of courts and court procedures; the corrections system; and prison life. This course is intended for students majoring in Administration of Justice. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities

ACTION

Adoption of a course deactivation at Miramar College.

Proposed course deactivation at Miramar College:

051A GATF - Imaging Skills Training I
2 hours lecture, 3 hours lab, 3 units
Grade Only

This course is designed for training and re-training pre-press students and those in the industry. This beginning course ties in to the demand for a highly skilled digital workforce and supports the industry-wide imaging skill standards developed by the National Council for Skill Standard in Graphic Communications. (FT) Associate Degree Credit only and not Transferable.

ACTION

Adoption of a course deactivation at Miramar College.

Proposed course deactivation at Miramar College:

114 Shipboard Fire Control

3 hours lecture, 3 units

Grade Only

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

This course provides students with the information needed to effectively use shipboard fire fighting and rescue equipment. Students study the fundamentals of marine construction, fires or emergency operating procedures at piers or on small pleasure craft, on small commercial boats, large commercial vessels, cruise ships, military vessels, or military sealift command vessels.

Topics include post-accident procedures, shipboard fire communications, pre-planning techniques, accident investigation, analysis of factors common to vessel emergencies, and the legal aspects of shipboard rescue and fire protection. (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:

106 Principles of Infection Control and Sterile Technique

**1 hour lecture, 1.5 hours lab, 1.5 units
Grade Only**

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

Limitation on Enrollment: This course is not open to students with previous credit for Medical Assisting 120 and Medical Assisting 100 and 210 combined. Special Admission - must be admitted to program.

This course provides an overview and application of current Occupational Safety and Health Administration (OSHA) policies and regulations and Standard Precautions related to infection control in the clinical setting. This course is designed to meet OSHA and blood-borne pathogen control for medical assisting and other allied health students who have potential exposure to infectious material such as blood, urine and other body fluids. The evolution of asepsis and infection control is presented as a basis for understanding the need for protection in health care and service environments. The application and use of personal protective equipment (PPE), medical and surgical aseptic handwashing techniques, disposal of biohazard material and other related topics is explored and practiced. This course also covers the differences between disinfection and sterilization. The students sterilize instruments, materials and equipment using a variety of methods and set-ups to maintain and work in a sterile field. (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:

210 Principles of Sterile Technique

1.5 hours lab, 0.5 units

Grade Only

Prerequisite: Medical Assisting 100 with a grade of "C" or better, or equivalent.

Limitation on Enrollment: This course is not open to students with previous credit for Medical Assisting 130.

This course presents the principles and application of sterile technique; and the policies and regulations established by the Occupational Safety and Health Administration (OSHA), Standard Precautions, and other federal and state agencies related to this topic. The course also covers the differences between medical and surgical asepsis; and sanitization, disinfection and sterilization. The students will sterilize instruments, materials and equipment using a variety of methods and set-ups to maintain and work in a sterile field. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

Manufacturing Engineering Technology

ACTION

Adoption of a new course at City College.

Proposed course at City College:

107 Introduction to Manufacturing Project

0.5 hours lecture, 1.5 hours lab, 1 unit

Letter Grade or Credit/No Credit Option

Prerequisite: Manufacturing Engineering Technology 101 or 101C, each with a grade of "C" or better, or equivalent; and Manufacturing Engineering Technology 105 or 105B, with a grade of "C" or better, or equivalent.

This course provides students the opportunity to apply a combination of skills and knowledge acquired in Manufacturing Engineering Technology (MFET) 101 and 105 courses to solve an industrial manufacturing problem. Students work together in groups to address an integrated, technical problem selected by industry and/or program faculty. Topics cover the fundamental principles of manufacturing, such as production stages, design, quality, lean manufacturing, automation and manufacturing prints. This course is designed for students as preparation to enter the manufacturing engineering technology field. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

Physical Education

ACTION

Adoption of a new course at City College.

Proposed course at City College:

249B Professional Activities / Badminton II
1.5 hours lecture, 1.5 hours lab, 2 units
Grade Only

REQUISITES:

Prerequisite: Physical Education 201 with a grade of "C" or better, or equivalent.

This is a course in which students competing in their second intercollegiate badminton season learn advanced theoretical concepts for successful participation. Topics covered include mechanical analysis of fundamentals through advanced badminton skills, offensive/defensive strategies, statistics, rules and officiating. (FT)
Associate Degree Credit & transfer to CSU and/or private colleges and universities

Physical Therapist Assistant

ACTION

Adoption of four new courses at Mesa College.

Proposed courses at Mesa College:

116 Physical Therapy Techniques I

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

Corequisite: Physical Therapist Assistant 114 and 116L with a grade of "C" or better, or equivalent.

Corequisite: Completion of or concurrent enrollment in: Physical Therapist Assistant 110 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 Therapist Assistant 111.

This lecture course provides the future Physical Therapist Assistant (PTA) with an exposure to the duties that related to the PTA scope of practice and with an emphasis on the outpatient setting. These duties include the principles of the application of basic physical agents including cold, heat and therapeutic massage; basics of gait training with assistive devices for general orthopedic problems; hydrotherapy and basic dressing changes to include universal precautions and infection control; treatment preparation; client positioning and clinic maintenance. The course also fosters the development of communication skills, interpersonal relationships and professionalism required for the health care field. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

116L Physical Therapy Techniques I

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

Corequisite: Physical Therapist Assistant 114 and 116, each with a grade of "C" or better, or equivalent.

Corequisite: Completion of or concurrent enrollment in: Physical Therapist Assistant 110 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 Therapist Assistant 111.

This laboratory course provides the future Physical Therapist Assistant (PTA) with an exposure to the duties that related to the PTA scope of practice and with an emphasis on the outpatient setting. These duties include the techniques of the application of basic physical agents including cold, heat and therapeutic massage; basics of gait training with assistive devices for general orthopedic problems; hydrotherapy and basic dressing changes to include universal precautions and infection control; treatment preparation; client positioning and clinic maintenance. The course also fosters the development of communication skills, interpersonal relationships and professionalism required for the health care field. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

126 Physical Therapy Techniques II

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

Prerequisite: Physical Therapist Assistant 116 and 116L, each with a grade of "C" or better, or equivalent.

Corequisite: Physical Therapist Assistant 122, 123 and 126L, each 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 Therapist Assistant 120.

This lecture course is for student physical therapist assistants (PTAs) and is a continuation of Physical Therapy Techniques I with an emphasis on advanced skills and rehabilitation in acute care. It explores the duties related to the PTA scope of practice, including the application of mechanical traction, electrotherapy and electromagnetic physical agents as well as vasopneumatic compression, chest physical therapy, wound care, transfer and transportation of patients, gait techniques for specific diagnoses, and the identification of architectural barriers and basic wheelchair management. Students continue to use medical terms, charting skills, and role play to foster patient and family teaching as well as a deepening of self-awareness of communication skills and professionalism. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

126L Physical Therapy Techniques II

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

Prerequisite: Physical Therapist Assistant 116 and 116L, each with a grade of "C" or better, or equivalent.

Corequisite: Physical Therapist Assistant 122, 123 and 126, each 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 Therapist Assistant 120.

This laboratory course is for student physical therapist assistants (PTAs) and is a continuation of Physical Therapy (PT) Techniques I with an emphasis on advanced skills and rehabilitation in acute care. It explores the duties related to the PTA scope of practice including the application of mechanical traction, electrotherapy and electromagnetic physical agents as well as vasopneumatic compression, chest physical therapy, wound care, transfer and transportation of patients, gait techniques for specific diagnoses, and the identification of architectural barriers and basic wheelchair management. Students continue to use medical terms, charting skills and role play to foster their development as PTAs. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a Program Revision at City College.

Proposed Program Revision at City College:

**Certificate of Achievement:
Administrative Assistant**

Courses Required for the Major:	Units
CBTE 101, Keyboarding for Computers	1
CBTE 102, Keyboarding OR	
CBTE 103, Beginning Computer Keyboarding	1-3
CBTE 111, Introduction to Windows 95 OR	
CBTE 112, Introduction to Windows 98 OR	
CBTE 114, Introduction to Microsoft Windows	1
CBTE 120, Beginning Microsoft Word	2
CBTE 120A, Introduction I to Microsoft Word AND	
CBTE 120B, Introduction II to Microsoft Word OR	
CBTE 130, Beginning Corel WordPerfect OR	
CBTE 130A, Introduction to Corel WordPerfect I AND	
CBTE 130B, Introduction to Corel WordPerfect II	2
CBTE 122, Intermediate Microsoft Word	3
CBTE 140, Microsoft Excel	2
CBTE 140A, Introduction to Microsoft Excel	1
CBTE 151, Introduction to Microsoft Access	1
CBTE 170, Desktop Publishing	2
CBTE 205, Records Management	3
CBTE 210, Computers in Business OR	
CBTE 211, Office Administration	3
BUSE 101, Business Mathematics	3
BUSE 119, Business Communications	3
Total Units = 24	

**Associate in Science Degree:
Administrative Assistant**

Courses Required for the Major:	Units
CBTE 101, Keyboarding for Computers	1
CBTE 102, Keyboarding OR	
CBTE 103, Beginning Computer Keyboarding	1-3
CBTE 111, Introduction to Windows 95 OR	
CBTE 112, Introduction to Windows 98 OR	
CBTE 114, Introduction to Microsoft Windows	1
CBTE 120, Beginning Microsoft Word	2
CBTE 120A, Introduction I to Microsoft Word AND	
CBTE 120B, Introduction II to Microsoft Word OR	
CBTE 130, Beginning Corel WordPerfect OR	
CBTE 130A, Introduction to Corel WordPerfect I AND	
CBTE 130B, Introduction to Corel WordPerfect II	2
CBTE 122, Intermediate Microsoft Word	3
CBTE 140, Microsoft Excel	2
CBTE 140A, Introduction to Microsoft Excel	1
CBTE 151, Introduction to Microsoft Access	1
CBTE 164, Introduction to Microsoft Outlook	1
CBTE 170, Desktop Publishing	2
CBTE 198A, Project Lab I	0.5
CBTE 198B, Project Lab II	0.5
CBTE 200, Office Telecommunications	2
CBTE 205, Records Management	3
CBTE 210, Computers in Business OR	
CBTE 211, Office Administration	3
BUSE 101, Business Mathematics	3
BUSE 119, Business Communications	3
Recommended Electives:	
CISC 130, Introduction to Local Area Networks	1
CBTE 126, Document Processing	3
CBTE 161, Learning the Internet	1
BUSE 150, Human Relations in Business	3
CBTE 270, Work Experience	1-4
Total Units = 27	

ACTION

Adoption of a Program Revision at City College.

Proposed Program Revision at City College:

**Certificate of Completion:
Business Presentations**

Courses Required for the Major:	Units
CBTE 095, Keyboarding/Typing Speed Development OR	
CBTE 101, Keyboarding for Computers	1
CBTE 102, Keyboarding OR	
CBTE 103, Beginning Computer Keyboarding	1-3
CBTE 120, Beginning Microsoft Word	2
CBTE 127, Introduction to PowerPoint	2
CBTE 200, Office Telecommunications	2
CBTE 120A, Introduction I to Microsoft Word AND	
CBTE 120B, Introduction II to Microsoft Word OR	
CBTE 130A, Introduction to Corel WordPerfect I AND	
CBTE 130B, Introduction to Corel WordPerfect II	2
CISC 128, Introduction to Computer Presentations	1
BUSE 119, Business Communications	3
Total Units = 10	

**Certificate of Completion:
Computer Literacy**

Courses Required for the Major:	Units
CBTE 051, Basic Computer and Software Skills	1
CBTE 095, Keyboarding/Typing Speed Development OR	
CBTE 101, Keyboarding for Computers	1
CBTE 114, Introduction to Microsoft Windows	1
CBTE 161, Learning the Internet.....	1
CBTE 180, Microsoft Office	3
Total Units =7	

**Certificate of Completion:
Office Communications**

Courses Required for the Major:	Units
CBTE 095, Keyboarding/Typing Speed Development OR	
CBTE 101, Keyboarding for Computers	1
CBTE 102, Keyboarding OR	
CBTE 103, Beginning Computer Keyboarding	1-3
CBTE 120, Beginning Microsoft Word	2
CBTE 120A, Introduction I to Microsoft Word AND	
CBTE 120B, Introduction II to Microsoft Word OR	
CBTE 130A, Introduction to Corel WordPerfect I AND	
CBTE 130B, Introduction to Corel WordPerfect II	2
CBTE 161, Learning the Internet	1
CBTE 164, Introduction to Microsoft Outlook	1
CBTE 200, Office Telecommunications	2
CBTE 210, Computers in Business OR	
CBTE 211, Office Administration.....	3
CBTE 205, Records Management	3
BUSE 119, Business Communications.....	3
Total Units = 13	

**Certificate of Completion:
Word Processing**

Courses Required for the Major:	Units
BUSE 119, Business Communications	3
CBTE 095, Keyboarding/Typing Speed Development OR	
CBTE 101, Keyboarding for Computers	1
CBTE 102, Keyboarding OR	
CBTE 103, Beginning Computer Keyboarding	1-3
CBTE 120, Beginning Microsoft Word	2
CBTE 122, Intermediate Microsoft Word	3
CBTE 120A, Introduction I to Microsoft Word AND CBTE 120B, Introduction II to Microsoft Word OR	
CBTE 130A, Introduction to Corel WordPerfect I AND CBTE 130B, Introduction to Corel WordPerfect II	2
CBTE 132, Intermediate Corel WordPerfect	3
CBTE 170, Desktop Publishing	2
Total Units = 11	

**Certificate of Completion:
E-Commerce**

Courses Required for the Major:	Units
CBTE 101, Keyboarding for Computers	1
CBTE 151, Introduction to Microsoft Access	1
CBTE 162, Web Page Creation	2
CBTE 173, Introduction to E-Commerce	3
CBTE 200, Office Telecommunications	2
BUSE 119, Business Communications	3
Total Units = 12	

**Certificate of Completion:
Computer Software Applications**

Courses Required for the Major:	Units
CBTE 095, Keyboarding/Typing —Speed Development OR	
CBTE 101, Keyboarding for Computers OR	
CBTE 102, Keyboarding OR	
CBTE 103, Beginning Computer Keyboarding	1-3
CBTE 110A, Introduction to Disk Operating Systems OR	
CBTE 114, Introduction to Microsoft Windows	1
CBTE 120, Beginning Microsoft Word OR	
CBTE 120A, Introduction I to Microsoft Word AND CBTE 120B, Introduction II to Microsoft Word OR	
CBTE 130A, Introduction to Corel WordPerfect I AND CBTE 130B, Introduction to Corel WordPerfect II	2
CBTE 122, Intermediate Microsoft Word OR	
CBTE 132, Intermediate Corel WordPerfect	3
CBTE 140A, Introduction to Microsoft Excel	1
CBTE 151, Introduction to Microsoft Access	1
Total Units = 9-11	

ACTION

Adoption of a Program Revision at City College.

Proposed Program Revision at City College:

**Certificate of Achievement:
Legal Administrative Assistant**

Courses Required for the Major:	Units
CBTE 095, Keyboarding/Typing Speed Development OR	
CBTE 101, Keyboarding for Computers	1
CBTE 102, Keyboarding OR	
CBTE 103, Beginning Computer Keyboarding	1-3
CBTE 111, Introduction to Windows 95 OR	
CBTE 112, Introduction to Windows 98 OR	
CBTE 114, Introduction to Microsoft Windows	1
CBTE 120, Beginning Microsoft Word	2
CBTE 120A, Introduction I to Microsoft Word AND	
CBTE 120B, Introduction II to Microsoft Word OR	
CBTE 130, Beginning Corel WordPerfect OR	
CBTE 130A, Introduction to Corel WordPerfect I AND	
CBTE 130B, Introduction to Corel WordPerfect II	2
CBTE 122, Intermediate Microsoft Word	3
CBTE 127, Introduction to PowerPoint	2
CBTE 132, Intermediate Corel WordPerfect	3
CBTE 140A, Introduction to Microsoft Excel	2
CBTE 140, Microsoft Excel	2
CBTE 164, Introduction to Microsoft Outlook	1
CBTE 205, Records Management	3
CBTE 221, Legal Office Procedures I	3
CBTE 222, Legal Office Procedures II	3
BUSE 101, Business Mathematics	3
BUSE 119, Business Communications	3
LEGL 110, Legal Writing and Communications	3
Total Units = 27	

**Associate in Science Degree:
Legal Administrative Assistant**

Courses Required for the Major:	Units
CBTE 095, Keyboarding/Typing Speed Development OR	
CBTE 101, Keyboarding for Computers	1
CBTE 102, Keyboarding OR	
CBTE 103, Beginning Computer Keyboarding	1-3
CBTE 111, Introduction to Windows 95 OR	
CBTE 112, Introduction to Windows 98 OR	
CBTE 114, Introduction to Microsoft Windows	1
CBTE 120, Beginning Microsoft Word	2
CBTE 120A, Introduction I to Microsoft Word AND	
CBTE 120B, Introduction II to Microsoft Word OR	
CBTE 130, Beginning Corel WordPerfect OR	
CBTE 130A, Introduction to Corel WordPerfect I AND	
CBTE 130B, Introduction to Corel WordPerfect II	2
CBTE 122, Intermediate Microsoft Word	3
CBTE 127, Introduction to PowerPoint	2
CBTE 132, Intermediate Corel WordPerfect	3
CBTE 140A, Introduction to Microsoft Excel	2
CBTE 140, Microsoft Excel	2
CBTE 164, Introduction to Microsoft Outlook	1
CBTE 200, Office Telecommunications	2
CBTE 205, Records Management	3
CBTE 221, Legal Office Procedures I	3
CBTE 222, Legal Office Procedures II	3
BUSE 101, Business Mathematics	3
BUSE 119, Business Communications	3
LEGL 110, Legal Writing and Communications	3
Recommended Electives:	
BUSE 140, Business Law and the Legal Environment	3
BUSE 150, Human Relations in Business	3
CBTE 126, Document Processing	3
CBTE 161, Learning the Internet	1
CBTE 170, Desktop Publishing	2
CBTE 198A, Project Lab I OR	
CBTE 198B, Project Lab II	0.5
CBTE 210, Computers in Business	3
CBTE 211, Office Administration	3
CBTE 270, Work Experience	1-4
Total Units = 27	

ACTION

Adoption of a Program Revision at City College.

Proposed Program Revision at City College:

**Certificate of Completion:
Microsoft Certified System Engineer**

Courses Required for the Major:	Units
MSFT 051, Installing, Configuring, and Administering Windows 2000 Professional	2.5
MSFT 052, Installing, Configuring, and Administering MSFT Windows 2000 Server	2.5
MSFT 053, Implementing and Administering a MSFT 2000 Network Infrastructure	2.5
MSFT 054, Implementing and Administering a MSFT 2000 Directory Infrastructure	2.5
MSFT 055, Designing a Microsoft Windows 2000 Directory Services Infrastructure	2.5
MSFT 056, Designing a Microsoft Windows 2000 Network Structure	2
MSFT 057, Designing Security for a Microsoft Windows 2000 Network	2.5
<hr/>	
	Total Units = 17

ACTION

Adoption of a Program Revision at City College.

Proposed Program Revision at City College:

New Certificate of Completion

**Certificate of Completion:
Electronics Technician Level I**

Courses Required for the Major:	Units
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
	Total Units = 14

ACTION

Adoption of a Program Revision at City College.

Proposed Program Revision at City College:

**Certificate of Completion:
Advanced Manufacturing**

Courses Required for the Major:	Units
MFET 110, Industrial Safety	2
MFET 210, Statistical Process Control.....	3
MFET 230, Lean Manufacturing	3
MFET 150, Manufacturing Automation OR	
MFET 150A, Manufacturing Automation I AND	
MFET 150B, Manufacturing Automation II.....	3
Total Units = 11	

**Certificate of Completion:
Manufacturing Fundamentals**

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 115 Properties of Materials	3
MFET 120 Manufacturing Processes.....	4
Total Units = 13-14.5	

**Certificate of Achievement:
Electronics Manufacturing**

Courses Required for the Major:	Units
MFET 110, Industrial Safety	2
MFET 210, Statistical Process Control.....	3
MFET 230, Lean Manufacturing	3
MFET 150, Manufacturing Automation OR	
MFET 150A, Manufacturing Automation I AND	
MFET 150B, Manufacturing Automation II.....	3
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 115 Properties of Materials	3
MFET 120 Manufacturing Processes	4
ENGN 128 Electronics for Technology.....	3
MFET 220 Programmable Logic Controllers.....	3
Total Units = 30-31.5	

**Certificate of Achievement:
Fabrication Manufacturing**

Courses Required for the Major:	Units
MFET 110, Industrial Safety	2
MFET 210, Statistical Process Control.....	3
MFET 230, Lean Manufacturing	3
MFET 150, Manufacturing Automation OR	
MFET 150A, Manufacturing Automation I AND	
MFET 150B, Manufacturing Automation II.....	3
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 115 Properties of Materials	3
MFET 120 Manufacturing Processes.....	4
MACT 150 Intro/Computer Num Control (CNC) and Elec Dis Mach	4
MACT 160M Introduction to CAD/CAM OR	
MACT 160S Introduction to CAD/CAM	4
Total Units = 32-33.5	

**Associate in Science Degree:
Manufacturing Engineering
Technology- Option: Electronics**

Courses Required for the Major:	Units
MFET 110, Industrial Safety	2
MFET 210, Statistical Process Control.....	3
MFET 230, Lean Manufacturing	3
MFET 150, Manufacturing Automation OR	
MFET 150A, Manufacturing Automation I AND	
MFET 150B, Manufacturing Automation II.....	3
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 115 Properties of Materials	3
MFET 120 Manufacturing Processes	4
ENGN 128 Electronics for Technology.....	3
MFET 220 Programmable Logic Controllers.....	3
MATH 096 Intermediate Algebra and Geometry OR	
MATH 098 Technical Intermediate Algebra and Geometry	4-5
ENGN 110 Science for Technical Applications	4
TEHW 101 Introduction to Technical Writing	3
Select one course from:	
ENGE 111 Introduction to Computer-Aided Design OR	3
ENGE 151 Engineering Drawing OR	2
TECI 101 Basic Technical Illustration	3
Select one course from:	
MFET 250 Manufacturing Capstone Course OR	4
ENGN 275 Engineering Technology Industrial Internship.....	4
Total Units = 47-50.5	

**Associate in Science Degree:
Manufacturing Engineering Technology-
Option: Fabrication**

Courses Required for the Major:	Units
MFET 110, Industrial Safety	2
MFET 210, Statistical Process Control.....	3
MFET 230, Lean Manufacturing	3
MFET 150, Manufacturing Automation OR	
MFET 150A, Manufacturing Automation I AND	
MFET 150B, Manufacturing Automation II.....	3
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 115 Properties of Materials	3
MFET 120 Manufacturing Processes.....	4
MACT 150 Intro/Computer Num Control (CNC) and Elec Dis Mach	4
MACT 160M Introduction to CAD/CAM OR	
MACT 160S Introduction to CAD/CAM	4
MATH 096 Intermediate Algebra and Geometry OR	
MATH 098 Technical Intermediate Algebra and Geometry	4-5
ENGN 110 Science for Technical Applications	4
TEHW 101 Introduction to Technical Writing	3
Select one course from:	
ENGE 111 Introduction to Computer-Aided Design OR .	3
ENGE 151 Engineering Drawing OR	2
TECI 101 Basic Technical Illustration	3
Select one course from:	
MFET 250 Manufacturing Capstone Course OR	4
ENGN 275 Engineering Technology Industrial Internship.....	4
Total Units = 49-52.5	