Approved 06/07/07

A. NAME OF DOCKET ITEM

Consideration and approval of new or revised courses and programs.

B. STATEMENT OF ISSUE/PURPOSE

1. Background and Purpose

The following curriculum changes are proposed:

Art – Fine Art	Adoption of a course deactivation at City College	Attachment A
Computer Information Sciences	Adoption of two course deactivations at City College	Attachment B
Military Electronics Technology	Adoption of fourteen new courses at City College	Attachment C1-C3

2. Cost and Funding

There is no additional cost to the District

C. PROPOSAL

The Board of Trustees hereby approves the action outlined in Part A of this docket exhibit.

Henry T. Ingle, Ph.D.
Vice Chancellor
Instructional Services, Planning and Technology

ACTION

Adoption of a course deactivation at City College.

Proposed course deactivation at City College:

185 Lettering
1.5 hours lecture, 4.5 hours lab, 3 units
Letter Grade or Credit/No Credit Option

A basic course emphasizing freehand techniques of brush and pen lettering. Letter forms, styles, spacing and layout problems are presented. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of two course deactivations at City College.

Proposed course deactivations at City College:

115 Adapted Microcomputer Applications for the Disabled
1.5 hours lecture, 1.5 hours lab, 2 units
Grade Only

This course is a broad-based study of microcomputer applications specifically designed for students with disabilities. Emphasis is placed on providing students with disabilities hands-on experience using and integrating current word processing, spreadsheet, database and presentation software applications using adaptive technology. In addition, this course provides an introduction to electronic mail and web and desktop publication programs. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

124A Data Base Programming I
.75 hour lecture, .75 hour lab, 1 unit
Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for Computer and Information Sciences 124. This course includes basic theories in the development of a data base system using a selected data base application. Emphasis will be placed on the actual development and programming. The application to be used will be announced in the college class schedule. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of fourteen new courses at City College.

Proposed courses at City College:

050 Basic Direct Current
3 hours lab, 1 unit
Grade Only

This is a course on the basics of direct current (DC), including basic and complex circuit analysis. Emphasis is placed on the practical application of concepts in DC to calculate and measure voltage, current and resistance and to troubleshoot series, parallel, series-parallel, branch and bridge circuits. This course is equivalent to Modules 1 through 5 of Naval Course Apprentice Technical Training (ATT) and is designed for the following ratings: ET, FC, STG, IC, GM, TM, MN, GSE, EM, AE, ATI, ATC, MV, AO, AS, CTM, CTT, STS, FT, ETSS, MT, CE, PETT. Associate Degree Credit only and not Transferable.

051 Working With Direct Current
3 hours lecture, 3 units
Grade Only

Prerequisite: Military Electronics Technology 50 with a grade of "C" or better, or equivalent. This is a course on direct current (DC) electronics designed to develop a practical familiarity with the concepts of conductance, voltage, resistance, current, capacitance, and inductance. Emphasis is placed on a common sense approach to using the measurement equipment and math skills used in the study of direct current. Associate Degree Credit only and not Transferable.

052A Basic Alternating Current I
3 hours lab, 1 unit
Grade Only

Prerequisite: Military Electronics Technology 50 with a grade of "C" or better, or equivalent. This is a course on the basics of alternating current (AC), power, capacitance, and inductance. Emphasis is placed on providing students with a solid understanding of AC test equipment and steady-state circuit analysis. This course is equivalent to Modules 6 through 9 of Naval Course Apprentice Technical Training (ATT) and is designed for the following ratings: IC, GM, TM, MN, GSE, EM, AE, ATI, ATO, MV, CTM, CTT, STS, FT and MT. Associate Degree Credit only and not Transferable.

052B Basic Alternating Current II
3 hours lab, 1 unit
Grade Only

Prerequisite: Military Electronics Technology 50 with a grade of "C" or better, or equivalent. This is a course on the basics of alternating current (AC), power, capacitance, and inductance. Emphasis is placed on providing students with a solid understanding of the fundamentals of transient and resonant AC circuit analysis, transformers, relays and switches. This course is equivalent to Modules 10 through 13 of Naval Course Apprentice Technical Training (ATT) and is designed for the following ratings: ET, FC, STG, CTM, MT, PETT. (FT) Associate Degree Credit only and not Transferable.

053A Working With Non Resonant Alternating Current
2.5 hours lecture, 2.5 units
Grade Only

Prerequisite: Military Electronics Technology 52A with a grade of "C" or better, or equivalent. This is a course on non resonant alternating current (AC) electronics designed to develop a practical familiarity with the concepts of impedance, AC voltage, current, and power, and includes basic filter circuits. This course emphasizes a common sense approach to using the measurement equipment and math skills used in the study of non-resonant alternating current. Associate Degree Credit only and not Transferable.

053B Working with Resonant Alternating Current
2 hours lecture, 2 units
Grade Only

Prerequisite: Military Electronics Technology 52B with a grade of "C" or better, or equivalent. This is a course on resonant alternating current (AC) electronics designed to develop a practical familiarity with the concepts of bandwidth, Quality factor (Q), center frequency, and resonance, and includes basic filter circuits. This course emphasizes a common sense approach to using the measurement equipment and math skills used in the study of resonant alternating current. Associate Degree Credit only and not Transferable.

054A Basic Analog Circuits I
3 hours lab, 1 unit
Grade Only

Prerequisite: Military Electronics Technology 50 with a grade of "C" or better, or equivalent. This is a course on the basics of analog circuits, including diodes and diode circuits, transistor circuits, and power supplies. Emphasis is placed on identifying normally operating circuits and troubleshooting circuit faults. This course is equivalent to Modules 14 through 16 of Naval Course Apprentice Technical Training (ATT) and is designed for the following ratings: ET, FC, STG, IC, MN, GSE, CTM, CTT, PETT. Associate Degree Credit only and not Transferable.

054B Basic Analog Circuits II
3 hours lab, 1 unit
Grade Only

Prerequisite: Military Electronics Technology 50 with a grade of "C" or better, or equivalent. This is a course on the basics of analog circuits, including transistor circuits, oscillators and pulse circuits, trigger device circuits, operational amplifiers, and radio frequency (RF) electronics. Emphasis is placed on identifying normally operating circuits and troubleshooting common faults. This course is equivalent to Modules 17 through 22 of Naval Course Apprentice Technical Training (ATT) and is designed for the following ratings: ET, FC, STG, and IC. Associate Degree Credit only and not Transferable.

055A Working With Basic Analog Circuits I
3.5 hours lecture, 3.5 units
Grade Only

Prerequisite: Military Electronics Technology 54A with a grade of "C" or better, or equivalent. This is a course on the basics of diode and Bipolar Junction Transistor (BJT) circuits and power supplies designed to develop a familiarity with their operation. Emphasis is placed on a practical approach to using the measurement equipment and math tools employed in the study of electronic devices. Associate Degree Credit only and not Transferable.

055B Working With Basic Analog Circuits II
3.5 hours lecture, 3.5 units
Grade Only

Prerequisite: Military Electronics Technology 54B with a grade of "C" or better, or equivalent. This is a course on the basics of Field Effect Tranistors (FETs), Thyristors, Multivibrators, Operational Amplifiers, and Optical Semiconductor Devices. The course is designed to develop an understanding and familiarity with their operation. Emphasis is placed on a practical approach to using the measurement equipment and math tools employed in the study of electronic devices. Associate Degree Credit only and not Transferable.

056A Basic Digital Electronics I
3 hours lab, 1 unit
Grade Only

Prerequisite: Military Electronics Technology 50 with a grade of "C" or better, or equivalent. This is a course on the basics of digital electronics. Emphasis is placed on providing students with an overview of the development of digital electronics, digital and combinational logic functions, a variety of flip-flop, conversion and data circuits. This course is equivalent to Modules 23 through 27 of Naval Course Apprentice Technical Training (ATT) and is designed for the following ratings: ET, FC, STG, IC, MN, CTM, CTT, STS, FT, ETSS and PETT. Associate Degree Credit only and not Transferable.

056B Basic Digital Electronics II
1.5 hours lab, 0.5 unit
Grade Only

Prerequisite: Military Electronics Technology 50 with a grade of "C" or better, or equivalent. This is a course on the basics of digital electronics. Emphasis is placed on providing students with an overview of arithmetic counting and microprocessor operation. This course is equivalent to Modules 28 through 30 of Naval Course Apprentice Technical Training (ATT) and is designed for the following ratings: ET, FC and MN. Associate Degree Credit only and not Transferable.

057A Working With Digital Electronics
3 hours lecture, 3 units
Grade Only

Prerequisite: Military Electronics Technology 56A with a grade of "C" or better, or equivalent. This is a course on the basics of digital electronics designed to develop a practical familiarity with digital combinational logic circuits including flip-flops, and data conversion circuits. Emphasis is placed on a common sense approach to developing and testing practical digital circuits. Associate Degree Credit only and not Transferable.

057B Working With Digital Electronics II
2.5 hours lecture, 2.5 units
Grade Only

Prerequisite: Military Electronics Technology 56B with a grade of "C" or better, or equivalent. This is a course on the basics of digital electronics designed to develop a practical familiarity with data control, arithmetic logic circuits, counter applications, data multiplexing and basic microprocessor operation. Emphasis is placed on a common sense approach to developing and testing practical digital circuits. Associate Degree Credit only and not Transferable.