

Board Docket for 7/14/05

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:

Automotive Technology	Adoption of a new course at Miramar College.	Attachment A
Child Development	Adoption of program deactivation at Mesa College.	Attachment B
Computer and Information Sciences	Adoption of four new Certificates of Completion at City College.	Attachment C
Fire Protection Technology	Adoption of two new courses at Miramar College.	Attachment D
Information, Network & Web Technologies	Adoption of a new course at City College.	Attachment E
Photography	Adoption of a new course at City College.	Attachment F
Pre-Engineering Technology	Adoption of a new program and Certificate of Completion at City College.	Attachment G
Vocational Nursing	Adoption of three new courses at City College.	Attachment H

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.

Otto W. K. Lee
Interim Assistant Chancellor
Instructional Services, Planning and Technology

ACTION

Adoption of a new course at Miramar College.

Proposed course at Miramar College:

**085 Advanced Emission Specialist Exam
Qualification Course**

**5 hours lecture, 3 hours lab, 6 units
Grade Only**

Advisory: ENGL 051 & ENGL 056 & MATH 032 each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5/R5/M20.

The Bureau of Automotive Repair (BAR) requires students to complete 120 hours of preparation to qualify for the Smog Check Technician Licensing Examinations. This course includes the following BAR- certified modules: Basic Clean Air Car Course, Smog Check Program 2003 Update Course, Advanced Clean Air Car Course, and Smog Check Program 2005 Update Course. The course uses Asian and Chrysler manufacturer-specific materials in conjunction with standard BAR materials. (FT) Associate Degree Credit only and not Transferable.

ACTION

Proposed program deactivation at Mesa College.

**Associate in Science Degree:
Child Development**

Site Supervisor

This degree prepares students to supervise single site programs, provide instruction to children and coordinate curriculum and staff development. Child Development courses must be completed with a grade of "C" or better. Additional general education and graduation requirements are listed in the Academic Requirements section of catalog. The associate degree requires a minimum of 60 units.

Courses Required for the Major—Units

- CHIL 101, Human Growth and Development3
- CHIL 111, Curriculum: Music/Motor Skills 3
- CHIL 121, Curriculum: Art3
- CHIL 131, Curriculum: Language/Science 3
- CHIL 141, The Child, Family and Community3
- CHIL 151, Program Planning 3
- and concurrent enrollment in:**
- CHIL 270, Work Experience, or
- CHIL 275, Supervised Field Study 2-4
- CHIL 180, Nutrition, Health & Safety for Children3
- CHIL 202, Administration of Early Childhood Programs3
- CHIL 210, Supervision of Early Childhood Programs3
- CHIL 215, Adult Supervision and Mentoring in Early Childhood Settings..3

Select one of the following three options:

- CHIL 160, Observing & Understanding Children and
- CHIL 161, Observation & Issues in Child Development or
- CHIL 165, Children with Special Needs or
- CHIL 175, Infant-Toddler Growth and Development.....3-4
- Total Units = 35-38**

Recommended Electives: (select from courses not already taken): Child Development 100, 152, 160, 161, 162, 165, 166, 175, 176, 185, 188, 202, 210, 215, 270, 275, 290, 291, 291A, 291B, 291C, 291D.

ACTION

Adoption of a four new Certificates of Completion at City College.

Proposed new Certificates of Completion at City College:

**Certificate of Completion
Certified Convergent Network
Technologist***

The Certified in Convergent in Network Technologies (CCNT) certificate provides students with competency-based training addressing convergence services. This certificate provides students with the required knowledge to perform the following job roles: Telco/ Service Provider Technical Sales Professionals Network Administrators and Engineers Product Manager.

Courses:	Units
INWT 090A, Convergent Network Technology: Basic Data Communications	2
INWT 090B, Convergent Network Technology: Basic Telecommunications.....	1.5
INWT 090C, Convergent Network Technology: Broadband Technologies	2
INWT 090D, Convergent Network Technology: Computer Telephony Integration	1
INWT 090E, Convergent Network Technology: Local Area Networks (LANs)	2
INWT 090F, Convergent Network Technology: Voice Over IP (VoIP) Essentials	1
Total Units = 9.5	

*This is a departmental award in recognition of information on the transcript and does not imply that a graduation requirement has been met.

**Certificate of Completion
Microsoft Certified Database
Administrator***

Upon successful completion of this certificate, students will be prepared to take Microsoft Certified Database Administrator (MCDBA) exams and to become successful Microsoft Database Administrator.

Courses:	Units
MSFT 130, Installing, Configuring, and Administering Windows Clients ...	2.5
MSFT 132, Manage and Maintain Windows Server	3

MSFT 170, Programming a Microsoft SQL Server	2.5
MSFT 171, Microsoft SQL Server System Administration.....	2.5
Total Units = 10.5	

*This is a departmental award in recognition of information on the transcript and does not imply that a graduation requirement has been met.

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

Upon successful completion of this certificate, students will be prepared to take Microsoft Certification exams and for becoming successful Microsoft Certified System Engineers.

Courses:	Units
MSFT 051, Installing, Configuring, and Administering Windows 2000 Professional	2.5
MSFT 052, Installing, Configuring, & Administering Microsoft Windows 2000 Server	2.5
MSFT 053, Implementing & Administering a Microsoft Windows 2000 Network Infrastructure	2.5
MSFT 054, Implementing & Administering a Microsoft Windows 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 Infrastructure	2
MSFT 057, Designing Security for a Microsoft Windows 2000 Network.....	2.5
Total Units = 17	

*This is a department award in recognition of information on the transcript and does not imply that a graduation requirement has been met.

**Certificate of Completion
Microsoft Certified Systems
Engineer 2003 - Security***

Upon successful completion of this certificate, students will be prepared to take the Microsoft Certified Systems Engineer (MCSE) exams and to become successful information technology professionals as MCSE specializing in network security.

Courses:	Units
MSFT 130, Installing, Configuring, and Administering Windows Clients	2.5
MSFT 132, Manage and Maintain Windows Server	3
MSFT 134, Implementing, Managing, and Maintaining Network Infrastructure I.....	1.5

MSFT 136, Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure II.....	1.5
MSFT 138, Planning, Implementing, and Maintaining a Microsoft Windows Server Active Directory Infrastructure	1.5
MSFT 140, Designing Security for Microsoft Networks	1.5
INWT 140, Security + Certification Training	3
Total Units = 14.5	

*This is a departmental award in recognition of information on the transcript and does not imply that a graduation requirement has been met.

ACTION

Adoption of a two new courses at Miramar College.

Proposed new courses at Miramar College:

100D Candidate Physical Ability Test Preparation
16 hours lecture(total), 48 hours lab (total), 1.5 units
Grade Only

Advisory: ENGL 051 & ENGL 056, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5/R5.

This course provides information relating to the preparation and successful completion of a valid Candidate Physical Ability Test (CPAT), Biddle, and other firefighter physical ability examinations. This course may be taken four times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

200C Fire Command 1C
28 hours lecture(total), 12 hours lab (total), 1.5 units
Grade Only

Prerequisite: FIPT 200A & FIPT 310A each with a grade of "C" or better, or equivalent. REQUIRED BY CALIFORNIA STATE FIRE TRAINING.

Advisory: ENGL 051 & ENGL 056 & MATH 032, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5/ R5/ M20.

This course introduces I-Zone company officers to the urban/interface wildland fire fighting environment. Topics include I-zone operation principles, safety and survival, and I-zone incident operations. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at City College.

Proposed new course at City College:

120 Network + Training
3 hours lecture, 3 hours lab, 4 units
Grade Only

Advisory: ENGL 056 with a grade of "C" or better, or equivalent or Assessment Skill Level R5.

This is a project-oriented course that provides students with the knowledge and skills to support, maintain, and deploy networking systems and devices. This course follows the official Computing Technology Industry Association (CompTia) curriculum and is intended to prepare students to take the Network + exam and develop the job skills of a network support technician. This course may be taken three times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

Photography

ACTION

Adoption of a new course at City College.

Proposed new course at City College:

143 Introduction to Digital Photography
1.5 hours lecture, 4.5 hours lab, 3 units
Grade Only

Advisory: Completion of or concurrent enrollment in: PHOT 100 & PHOT 105 & ARTF 190A, each with a grade of "C" or better, or equivalent. This course is an introduction to the methods and processes involved in photographic image acquisition, optimization and output used in Digital Photography. Emphasis is placed on the evolution from traditional, analog/wet darkroom to digital approaches to photography and the relationship between these approaches. This course is designed for students who wish to pursue a career in photography. Students should provide digital or film camera with manual controls. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

Pre- Engineering Technology

PROGRAM REVIEW

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

- A. Labor Market¹: According to the California State Employment Development Department (EDD) statistics, there were approximately 3690 persons are employed in Engineering Technology jobs in San Diego County in 1999. Approximately 1410 additional job openings are projected through 2006.
- B. Duplication¹: Engineering Technology is offered at Cuyamaca, Palomar and San Diego City College. The Pre-Engineering Technology is offered only at San Diego City College.
- C. Effectiveness¹: This will be a new program. District college enrollment is projected to be 5 students.

- 1 Information was obtained from California Employment Development Department (EDD), Table 2, San Diego County TOP Projections, 1999-2006.
- 2 Information was obtained by the San Diego Imperial Counties Community Association Colleges (SDICCA).
- 3 Information was obtained from San Diego City College Faculty.

ACTION

Proposed new Program and Certificate of Completion at City College.

Pre-Engineering Technology

Courses required for the major:

MCTR 090, Mecomtronics Technical Science	3
MATH 096, Intermediate Algebra and Geometry	5
TEHW 101, Introduction to Technical Writing	3

Select one course from:

ENGE 111, Introduction to Computer-Aided Design.....	3
ENGE 151, Engineering Drawing	2
TECI 101, Basic Technical Illustration	3

Vocational Nursing

PROGRAM REVIEW

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

- A. Labor Market¹: According to the California State Employment Development Department (EDD) statistics, there were approximately 72,430 persons are employed in Nursing jobs in San Diego County in 1999. Approximately 22,950 additional job openings are projected through 2006.
- B. Duplication¹: Nursing is offered at Grossmont, Imperial Valley, Palomar, Southwestern, and San Diego City College.
- C. Effectiveness¹: District enrollment in Nursing courses is estimated at 198 students.
- 4 Information was obtained from California Employment Development Department (EDD), Table 2, San Diego County TOP Projections, 1999-2006.
- 5 Information was obtained by the San Diego Imperial Counties Community Association Colleges (SDICCA).
- 6 Information was obtained from the Vocational Education Data Systems (VEDS) Report 2003-2004.

ACTION

Proposed new Courses at City College.

040 Healthcare Essentials

**5.5 hours lecture, 0 hours lab, 5.5 units
Credit/No Credit Only**

This course is designed for students interested in entering a nursing or other health career program. Topics include strategies for success, interpersonal dynamics, medical terminology, safety issues, computer literacy, body structure and function, growth and development, ethical and legal responsibilities, and employment readiness. (FT) Not Applicable to Associate Degree and not a basic skills course.

050 Fundamentals of Vocational Nursing

**4.5 hours lecture, 16 hours lab, 9.5 units
Grade Only**

Prerequisite: VNUR 040 with a grade of "C" or better, or equivalent.

Corequisite: VNUR 052.

The Fundamentals of Vocational Nursing course is the introductory theory course in the ROP Vocational Nursing program. It provides a solid foundation for the nursing student to learn the background, basic skills, legal aspects, ethics, and processes of nursing. (FT) Associate Degree Credit only and not Transferable.

052 Introductory Pharmacology for Vocational Nurses

**1.5 hours lecture, 0 hours lab, 1.5 units
Grade Only**

Prerequisite: VNUR 040 with a grade of "C" or better, or equivalent.

Corequisite: VNUR 050.

The Introduction to Pharmacology course is the first of two pharmacology courses in the ROP Vocational Nursing program. It provides a solid foundation for the nursing student including a basic understanding of the nurse's role in medication administration and the uses of medications to treat and prevent illnesses. Drug actions, interactions, side effects, therapeutic monitoring, and adverse reactions are discussed and related to pathophysiology. (FT) Associate Degree Credit only and not Transferable.