


Miami Dade College
Office Vice Provost for Education

December 14, 2010

MEMORANDUM

TO: Rolando Montoya
FROM: Pamela Menke 
SUBJECT: APPROVAL OF CURRICULUM REPORT #77

Attached for your approval is the approved curriculum presented at the December 14, 2010, CASSC meeting.

The information in Curriculum Report #77 includes the following items:

1. **Mathematics Discipline**

• **Add New Course**

MAP2402 Applied Mathematics for Sciences and Engineering

2. **School of CIS/Engineering Technologies**

• **Internet Services Technology**

Microsoft Option (25063)

Add Existing Courses

Delete Existing Courses

Open Source Option (25069)

Add Existing Courses

Delete Existing Courses

Change Existing Course Number/Revised Course Description

• **Networking Services Technology**

Cisco (25062)

Add Existing Courses

Delete Existing Courses

Network Security (25066)

Change Existing Course Number/Title

Microsoft Database Administrator (66046)

Change Existing Course Number/Title

Delete Existing Program

Microsoft Option (25061)

Rationale: The program core for this track is being combined with program Cisco Option (25062).

Change Course Numbers/Titles

Revised Course Descriptions

• **Database Technology – Program Modifications**

Microsoft Database Administrator (25057)

Oracle Database Administrator (25058)

Oracle Database Developer (25060)

Delete Program Option

Microsoft Solutions Developer Option (25059)

Rationale: Microsoft had deleted this designation from its certification tracks.

If I can be of further assistance, please do not hesitate to contact me.

Attachment

Miami Dade College
College-wide CASSC Meeting – DECEMBER 14, 2010
CURRICULUM REPORT #77

1. Mathematics Discipline

Add New Course

Proposed Fee: \$10.00

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
MAP2402	Applied Mathematics for Science & Engineering	3	1,2,3,5,6,7,8	2010-2

Course Description: This course bridges mathematics and STEM fields by demonstrating applications such as angular momentum, vehicle positioning, coding, signals, graphics, sensors, and biological processes, using software and robotics. Students will learn topics such as: cross products, linear independence, subspaces, affine spaces, matrix operations, and eigenvectors, in R^2 and R^3 , as well as regression and dimensional analysis. Prerequisite: MAC 1105 (High School Geometry Recommended), Pre/Corequisite: MAC 1114 or MAC 1147. (3 hr. lecture)

APPROVE  OPPOSE _____ MORE INFORMATION _____

2. School of CIS & Engineering Technologies

Internet Services Technology

Microsoft Option (25063)

Add Existing Courses

CTS1800 Introduction to Webpage Development

CTS2306 Implementing a Networking Infrastructure

Delete Existing Courses

CGS1546 Microsoft SQL Administration (program only)

CTS1334 Managing a Windows Server Environment (program only)

Change Existing Course Number/Revised Course Description

COP1822 Webpage Design and Programming (**Current**)

COP2822 Webpage Design and Programming (**New**)

APPROVE



OPPOSE _____

MORE INFORMATION _____

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: INTERNET SERVICES TECHNOLOGY-MICROSOFT (25063)
EFFECTIVE TERM: Spring 2011 (2010-2)

I. GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (3.00 credits)

[ENC 1101](#) - English Composition 1 (3 credits)

2. ORAL COMMUNICATIONS (3.00 credits)

[SPC 1017](#) - Fundamentals of Speech Communication (3 credits)

3. HUMANITIES (3.00 credits)

[PHI 2604](#) - Critical Thinking/Ethics (3 credits)

4. BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)

[CLP 1006](#) - Psychology of Personal Effectiveness (3 credits)

5. MATH/SCIENCE (3.00 credits)

[MAC 1105](#) - College Algebra (3 credits)

6. COMPUTER COMPETENCY

Test type(s) needed:

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

7. MAJOR COURSE REQUIREMENTS (24.00 credits)

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

(FROM PROGRAM ONLY)

[COP 1334](#) - Introduction to Object Oriented Programming C++ (4 credits)

[COP 2822](#) - Web Page Design and Programming (4 credits)
(COURSE NUMBER CHANGE)

[COP 2825](#) - Implementing an Internet Server (4 credits)

[CTS 1134](#) - Networking Technologies (4 credits)

[CTS1800](#) - Introduction to Web Page Development (4 credits) **(ADD EXISTING COURSE)**

8. PROGRAM CORE REQUIRED (24.00 credits)

Students must select 20 credits from the following

(FROM PROGRAM ONLY)

[CTS2306](#) Implementing a Networking Infrastructure
(ADD EXISTING COURSE)

[COP 2823](#) - ASP/Script Language Programming (4 credits)

[CGS1546](#) - Microsoft SQL Administration

[CGS 2547](#) - Microsoft SQL Implementation (4 credits)

[CGS 2172](#) - Implementing a Commerce-Enabled Web Site (4 credits)

-----AND-----

Students must choose 4 credits from the following:

CAP*

CEN*

CGS*

CIS*

COP*

CTS*

*Sample course electives recommended during advisement:

COP1332, COP2333/CTS2463 (VB & C# concentration)

COP2800, COP2805 (Java concentration)

CGS1871 (Design concentration)

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: INTERNET SERVICES TECHNOLOGY-MICROSOFT (25063)
EFFECTIVE TERM: Spring 2011 (2010-2)

I. GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (3.00 credits)

[ENC 1101](#) - English Composition 1 (3 credits)

2. ORAL COMMUNICATIONS (3.00 credits)

[SPC 1017](#) - Fundamentals of Speech Communication (3 credits)

3. HUMANITIES (3.00 credits)

[PHI 2604](#) - Critical Thinking/Ethics (3 credits)

4. BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)

[CLP 1006](#) - Psychology of Personal Effectiveness (3 credits)

5. MATH/SCIENCE (3.00 credits)

[MAC 1105](#) - College Algebra (3 credits)

6. COMPUTER COMPETENCY

Test type(s) needed:

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

7. MAJOR COURSE REQUIREMENTS (24.00 credits)

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

[COP 2825](#) - Implementing an Internet Server (4 credits)

[COP 1334](#) - Introduction to Object Oriented Programming C++ (4 credits)

[CTS 1134](#) - Networking Technologies (4 credits)

[COP 2822](#) - Web Page Design and Programming (4 credits)

[CTS1800](#) - Introduction to Web Page Development (4 credits)

8. PROGRAM CORE REQUIRED (24.00 credits)

Students must select 20 credits from the following

CTS2306 Implementing a Networking Infrastructure

[CGS1546](#) - Microsoft SQL Administration

[COP 2823](#) - ASP/Script Language Programming (4 credits)

[CGS 2547](#) - Microsoft SQL Implementation (4 credits)

[CGS 2172](#) - Implementing a Commerce-Enabled Web Site (4 credits)

-----**AND**-----

Students must choose 4 credits from the following:

CAP*

CIS*

CEN*

COP*

CGS*

CTS*

Open Source Option (25069)

Add Existing Courses

CTS1800 Introduction to Webpage Development

Delete Existing Courses

CGS1546 Microsoft SQL Administration (program only)

COP1220 Introduction to C++ Programming (program only)

Change Existing Course Number/Revised Course Description

COP1822 Webpage Design and Programming (**Current**)

COP2822 Webpage Design and Programming (**New**)

APPROVE *g Monty* OPPOSE _____ MORE INFORMATION _____

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: INTERNET SERVICES TECHNOLOGY-OPEN SOURCE (25069)
EFFECTIVE TERM: Spring 2010 (2010-2)

I. GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (3.00 credits)

[ENC 1101](#) - English Composition 1 (3 credits)

2. ORAL COMMUNICATIONS (3.00 credits)

[SPC 1017](#) - Fundamentals of Speech Communication (3 credits)

3. HUMANITIES (3.00 credits)

[PHI 2604](#) - Critical Thinking/Ethics (3 credits)

4. BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)

[CLP 1006](#) - Psychology of Personal Effectiveness (3 credits)

5. MATH/SCIENCE (3.00 credits)

[MAC 1105](#) - College Algebra (3 credits)

6. COMPUTER COMPETENCY

Test type(s) needed:

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

7. MAJOR COURSE REQUIREMENTS (24.00 credits)

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

[COP 2825](#) - Implementing an Internet Server (4 credits)

[CTS 1134](#) - Networking Technologies (4 credits)

(REMOVE FROM PROGRAM ONLY)

CTS1800 Introduction to Web Page Development (4 credits)

(ADD EXISTING COURSE)

[COP 2822](#) - Web Page Design and Programming (4 credits) **(COURSE NUMBER CHANGE ONLY)**

--- And ---

Must take 4.0 credits from the following group.

[COP 1334](#) - Introduction to Object Oriented Programming C++ (4 credits)

[COP 1220](#) - Introduction to Programming in "C" (4 credits) **(REMOVE FROM PROGRAM ONLY)**

The following course(s) are not allowed for credit in this area.

All Labs **8. PROGRAM CORE REQUIRED (16.00 credits)**

[COP 2842](#) - Developing Websites using PHP/MYSQL (4 credits)

[CTS 1111](#) - Linux + (4 credits)

[CTS 2823](#) - Developing Internet Applications Using Apache (4 credits)

[COP 2843](#) - Implementing Open-Source Databases (4 credits)

9. MAJOR COURSE ELECTIVE (8.00 credits)

CAP*

CIS*

CEN*

COP*

CGS*

CTS*

*Sample course electives recommended during advisement:

COP1332, COP2333/CTS2463 (VB & C# concentration)

COP2800, COP2805 (Java concentration)

CGS1871 (Design concentration)

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: INTERNET SERVICES TECHNOLOGY-OPEN SOURCE (25069)
EFFECTIVE TERM: Spring 2010 (2010-2)

I. GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (3.00 credits)

[ENC 1101](#) - English Composition 1 (3 credits)

2. ORAL COMMUNICATIONS (3.00 credits)

[SPC 1017](#) - Fundamentals of Speech Communication (3 credits)

3. HUMANITIES (3.00 credits)

[PHI 2604](#) - Critical Thinking/Ethics (3 credits)

4. BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)

[CLP 1006](#) - Psychology of Personal Effectiveness (3 credits)

5. MATH/SCIENCE (3.00 credits)

[MAC 1105](#) - College Algebra (3 credits)

6. COMPUTER COMPETENCY

Test type(s) needed:

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

7. MAJOR COURSE REQUIREMENTS (24.00 credits)

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

CTS1800 Introduction to Web Page Development (4 credits)

[COP 2822](#) - Web Page Design and Programming (4 credits)

[COP 2825](#) - Implementing an Internet Server (4 credits)

[CTS 1134](#) - Networking Technologies (4 credits)

[COP 1334](#) - Introduction to Object Oriented Programming C++ (4 credits)

8. PROGRAM CORE REQUIRED (16.00 credits)

[COP 2842](#) - Developing Websites using PHP/MYSQL (4 credits)

[COP 2843](#) - Implementing Open-Source Databases (4 credits)

[CTS 1111](#) - Linux + (4 credits)

[CTS 2823](#) - Developing Internet Applications Using Apache (4 credits)

9. MAJOR COURSE ELECTIVE (8.00 credits)

CAP*

CEN*

CGS*

CIS*

COP*

CTS*

Networking Services Technology

Cisco (25062)

Add Existing Courses

- CTS1328 Supporting Microsoft Clients
- CTS2303 Implementing Directory Services
- CTS1334 Managing a Windows Server Environment (program only)
- CGS1546 Microsoft SQL Administration (program only)
- CGS1560 A+ Computer Operating Systems
- CTS1111 Linux +
- CTS1120 Fundamentals of Networking Security
- CTS1134 Networking Technologies

Delete Existing Courses

CAP and CEN

APPROVE A Monty OPPOSE _____ MORE INFORMATION _____

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: NETWORKING SERVICES TECHNOLOGY- (25062)
EFFECTIVE TERM: Spring 2011 (2010-2)
SHOWING PROPOSED CHANGES
Total Number of Credits Required: 63

I. GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (3.00 credits)

[ENC 1101](#) - English Composition 1 (3 credits)

2. ORAL COMMUNICATIONS (3.00 credits)

[SPC 1017](#) - Fundamentals of Speech Communication (3 credits)

3. HUMANITIES (3.00 credits)

[PHI 2604](#) - Critical Thinking/Ethics (3 credits)

4. BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)

[CLP 1006](#) - Psychology of Personal Effectiveness (3 credits)

5. MATH/SCIENCE (3.00 credits)

[MAC 1105](#) - College Algebra (3 credits)

6. COMPUTER COMPETENCY

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

7. MAJOR COURSE REQUIREMENTS (40.00 credits)

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

[CET 1600](#) - Cisco Network Fundamentals (4 credits)

[CET 1610](#) - Cisco Router Technology (4 credits)

[CET 2615](#) - Cisco Advanced Router Technology (4 credits)

[CET 2620](#) - Cisco Project-Based Learning (4 credits)

[COP 1332](#) - Introduction to Visual Basic (4 credits)

[CTS 1328](#) - Configuring Windows Clients (4 credits)

[CTS 2303](#) - Configuring Directory Services (4 credits)

[CTS 2306](#) - Configuring Network Infrastructure (4 credits)

[CTS 2334](#) - Planning and Administering Windows Servers (4 credits)

(Changing Number From CTS1334 to 2334)

8. MAJOR COURSE ELECTIVE (8.00 credits)

Select 8 credits from the following:

[CGS1546](#) - Microsoft SQL Administration (4 credits)

CGS1560 A+ Computer Operating Systems (4 credits)

CTS1111 Linux+ (4 credits)

CTS1120 Fundamentals of Network Security (4 credits)

CTS1134 Networking Technologies (4 credits)

CGS*

CIS*

COP*

CTS*

**ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: NETWORKING SERVICES TECHNOLOGY (25062)
EFFECTIVE TERM: Spring 2011 (2010-2)**

PROPOSED PROGRAM SHEET

Total Number of Credits Required: 63

I. GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (3.00 credits)

[ENC 1101](#) - English Composition 1 (3 credits)

2. ORAL COMMUNICATIONS (3.00 credits)

[SPC 1017](#) - Fundamentals of Speech Communication (3 credits)

3. HUMANITIES (3.00 credits)

[PHI 2604](#) - Critical Thinking/Ethics (3 credits)

4. BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)

[CLP 1006](#) - Psychology of Personal Effectiveness (3 credits)

5. MATH/SCIENCE (3.00 credits)

[MAC 1105](#) - College Algebra (3 credits)

6. COMPUTER COMPETENCY

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

7. MAJOR COURSE REQUIREMENTS (40.00 credits)

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

[CET 1600](#) - Cisco Network Fundamentals (4 credits)

[CET 1610](#) - Cisco Router Technology (4 credits)

[CET 2615](#) - Cisco Switching & Wireless (4 credits)

[CET 2620](#) - Cisco Wide-Area Networking (4 credits)

[COP 1332](#) - Introduction to Visual Basic Programming (4 credits)

[CTS 1328](#) - Configuring Windows Clients (4 credits)

[CTS 2303](#) - Configuring Directory Services (4 credits)

[CTS 2306](#) - Configuring Network Infrastructure (4 credits)

[CTS 2334](#) - Planning and Administering Windows Servers (4 credits)

8. MAJOR COURSE ELECTIVE (8.00 credits)

Select 8 credits from the following:

[CGS1546](#) - Microsoft SQL Administration (4 credits)

[CGS1560](#) A+ Computer Operating Systems (4 credits)

[CTS1111](#) Linux+ (4 credits)

[CTS1120](#) Fundamentals of Network Security (4 credits)

[CTS1134](#) Networking Technologies (4 credits)

CGS*

CIS*

COP*

CTS*

Network Security (25066)

Change Existing Course Number/Title

CTS1334 Managing a Windows Server Environment (**Current Course Number/Title**)

CTS2334 Planning and Administering Windows Servers (**Proposed New Course
Number/Title**)

APPROVE *Amarty* OPPOSE _____ MORE INFORMATION _____

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: NETWORKING SERVICES TECHNOLOGY-NETWORK SECURITY (25066)
EFFECTIVE TERM: Spring 2011 (2010-2)

I. GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (3.00 credits)

[ENC 1101](#) - English Composition 1 (3 credits)

2. ORAL COMMUNICATIONS (3.00 credits)

[SPC 1017](#) - Fundamentals of Speech Communication (3 credits)

3. HUMANITIES (3.00 credits)

[PHI 2604](#) - Critical Thinking/Ethics (3 credits)

4. BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)

[CLP 1006](#) - Psychology of Personal Effectiveness (3 credits)

5. MATH/SCIENCE (3.00 credits)

[MAC 1105](#) - College Algebra (3 credits)

6. COMPUTER COMPETENCY

Test type(s) needed:

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

7. MAJOR COURSE REQUIREMENTS (12.00 credits)

[CTS 1134](#) - Networking Technologies (4 credits)

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

[COP 1332](#) - Introduction to Visual Basic Programming (4 credits)

8. PROGRAM CORE REQUIRED (36.00 credits)

[CGS 1560](#) - Using Microcomputer Operating Systems (4 credits)

[CTS 1328](#) - Supporting Microsoft Clients (4 credits)

[CTS 2334](#) - Managing a Windows Server Environment (4 credits) **(COURSE NUMBER CHANGE)**

[CTS 2306](#) - Implementing a Networking Infrastructure (4 credits)

[CTS 2310](#) - Design, Implement, Manage Network Security (4 credits)

[CTS 2125](#) - Hardening the infrastructure (4 credits)

[CTS 2314](#) - Network Defense and Countermeasures (4 credits)

[CGS 2091](#) - Professional Ethics and Social Issues in CS (4 credits)

[CTS 1120](#) - Fundamentals of Networking Security (4 credits)

* End of Program Sheet *

ASSOCIATE IN SCIENCE DEGREE

PROGRAM OF STUDY: NETWORKING SERVICES TECHNOLOGY-NETWORK SECURITY (25066)

EFFECTIVE TERM: Spring 2011 (2010-2)

I. GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (3.00 credits)

[ENC 1101](#) - English Composition 1 (3 credits)

2. ORAL COMMUNICATIONS (3.00 credits)

[SPC 1017](#) - Fundamentals of Speech Communication (3 credits)

3. HUMANITIES (3.00 credits)

[PHI 2604](#) - Critical Thinking/Ethics (3 credits)

4. BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)

[CLP 1006](#) - Psychology of Personal Effectiveness (3 credits)

5. MATH/SCIENCE (3.00 credits)

[MAC 1105](#) - College Algebra (3 credits)

6. COMPUTER COMPETENCY

Test type(s) needed:

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

7. MAJOR COURSE REQUIREMENTS (12.00 credits)

[CTS 1134](#) - Networking Technologies (4 credits)

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

[COP 1332](#) - Introduction to Visual Basic Programming (4 credits)

8. PROGRAM CORE REQUIRED (36.00 credits)

[CGS 1560](#) - Using Microcomputer Operating Systems (4 credits)

[CTS 1328](#) - Supporting Microsoft Clients (4 credits)

[CTS 2334](#) - Managing a Windows Server Environment (4 credits)

[CTS 2306](#) - Implementing a Networking Infrastructure (4 credits)

[CTS 2310](#) - Design, Implement, Manage Network Security (4 credits)

[CTS 2125](#) - Hardening the infrastructure (4 credits)

[CTS 2314](#) - Network Defense and Countermeasures (4 credits)

[CGS 2091](#) - Professional Ethics and Social Issues in CS (4 credits)

[CTS 1120](#) - Fundamentals of Networking Security (4 credits)

* End of Program Sheet *

Microsoft Database Administrator (66046)

Change Existing Course Number Only

CTS1334 Managing a Windows Server Environment (**Current Course Number/Title**)

CTS2334 Planning and Administering Windows Servers (**Proposed New Course Number/Title**)

APPROVE  OPPOSE _____ MORE INFORMATION _____

COLLEGE CREDIT CERTIFICATE
PROGRAM OF STUDY: MICROSOFT DATABASE ADMINISTRATOR (66046)
EFFECTIVE TERM: Spring 2011 (2010-2)

I. GENERAL EDUCATION REQUIREMENTS

1. MAJOR COURSE REQUIREMENTS (16.00 credits)

[CTS 1328](#) - Supporting Microsoft Clients (4 credits)

[CTS 2306](#) - Implementing a Networking Infrastructure (4 credits)

[CTS2334](#) - Managing a Windows Server Environment (4 credits) **COURSE NUMBER CHANGE**

[CGS 1546](#) - Microsoft SQL Administration (4 credits)

* End of Program Sheet *

COLLEGE CREDIT CERTIFICATE
PROGRAM OF STUDY: MICROSOFT DATABASE ADMINISTRATOR (66046)
EFFECTIVE TERM: Spring 2011 (2010-2)

I. GENERAL EDUCATION REQUIREMENTS

1. MAJOR COURSE REQUIREMENTS (16.00 credits)

[CTS 1328](#) - Supporting Microsoft Clients (4 credits)

[CTS 2306](#) - Implementing a Networking Infrastructure (4 credits)

[CTS 2334](#) - Managing a Windows Server Environment (4 credits)

[CGS 1546](#) - Microsoft SQL Administration (4 credits)

* End of Program Sheet *

Delete Existing Program

Network Services Technology
Microsoft Option (25061)

Rationale: The program core for this track is being combined with Cisco Option (25062).

APPROVE  OPPOSE _____ MORE INFORMATION _____

Change Course Numbers/Titles

Revised Course Descriptions

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
CTS1334	Managing a Windows Server Environment	4	1,2,3,5,6,7,8	2010-2

CTS2334 Planning and Administering Windows Servers (**Proposed New Number/Title**)

Course Description: This course is intended for students preparing for IT careers as network support specialists and server administrators, as well as candidates for industry certification. Students will learn how to perform various tasks pertaining to implementing, monitoring, and maintaining Windows Servers. Prerequisites: CTS2306 or CTS2303. Laboratory fee. A.S. degree credit only. (3 hr. lecture; 2 hr. lab)

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
CTS1328	Supporting Microsoft Clients	4	1,2,3,5,6,7,8	2010-2
CTS1328	Configuring Windows Clients (Proposed New Title)			

Course Description: This course is intended for students preparing for IT careers as desktop and network support specialists and server administrators, as well as candidates for industry certification. Students will learn how to implement and maintain a Microsoft client operating system. Prerequisite: CGS1060 recommended or equivalent experience, knowledge or skills. Laboratory fee. A.S. degree credit only. (3 hr. lecture; 2 hr. lab)

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
CTS2303	Implementing Directory Services	4	1,2,3,5,6,7,8	2010-2
CTS2303	Configuring Directory Services (Proposed New Title)			

Course Description: This course is intended for students preparing for IT careers as network support specialists and server administrators, as well as candidates for industry certification. Students will learn the skills to successfully configure Active Directory Domain Services in a distributed environment. Prerequisite: CET1600 or CTS1134 (recommended) or equivalent experience, knowledge or skills. Laboratory fee. A.S. degree credit only. (3 hr. lecture; 2 hr. lab)

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
CTS2306	Implementing a Networking Infrastructure	4	1,2,3,5,6,7,8	2010-2
CTS2306	Configuring Network Infrastructure (Proposed New Title)			

Course Description: This course is intended for students preparing for IT careers as network support specialists, server, database or website administrators, as well as candidates for industry certification. Students will learn how to install, configure, monitor, and maintain Windows-based networking services. Prerequisite: CET1600 or CTS1134 (recommended) or equivalent experience, knowledge or skills. Laboratory fee. A.S. degree credit only. (3 hr. lecture; 2 hr. lab)

APPROVE  OPPOSE _____ MORE INFORMATION _____

Database Technology – Program Modifications

Microsoft Database Administrator (25057)

Add Existing Courses

- COP2333 Advanced Programming Using Visual Basic
- CET1600 Networking Fundamentals
- CTS2334 Planning and Administering Windows Servers (**Proposed New Number/Title**)

Add New Courses

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
CGS1540	Database Concepts and Design	4	1,2,3,5,6,7,8	2010-2

Course Description: This course is designed for computer science majors and non-majors who require a fundamental knowledge of databases and database management systems. Students will learn how to design, implement and use databases to maintain and manipulate data. Pre-requisites: CGS1060 or CGS1021 or Computer Competency Test. A.S. degree only. Laboratory fee. (3 hr lecture, 2 hr lab)

Recommended Course User Fee: \$51.00

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
CIS2342	Business Intelligence: Integration Svcs. & Reporting Svcs.	4	1,2,3,5,6,7,8	2010-2

Course Description: This course is designed to provide students with the skills necessary for advanced web-based applications. Students will learn how to analyze business requirements to determine data access and data transfer requirements and how to apply database and problem solving skills to build data flow, design integration services, and reporting services. Prerequisite: CGS1546 or CGS2547. A.S. degree only. Laboratory fee. (3 hr lecture, 2 hr lab)

Recommended Course User Fee: \$51.00

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
CTS2450	Business Intelligence: Integration Svcs. & Reporting Svcs.	4	1,2,3,5,6,7,8	2010-2

Course Description: This course is designed to provide students with the skills necessary for advanced web-based applications. Students will learn how to analyze business requirements to determine data access and data transfer requirements and how to apply database and problem solving skills to build data flow, design integration services, and reporting services. Prerequisite: CGS1546 or CGS2547. A.S. degree only. Laboratory fee. (3 hr lecture, 2 hr lab)

Recommended Course User Fee: \$51.00

Delete Existing Course

CGS1541 Database Applications (program only)

Change Existing Course Number Only

CTS1334 Managing a Windows Server Environment (**Current Course Number/Title**)

CTS2334 Planning and Administering Windows Servers (**Proposed New Course Number/Title**)

APPROVE *A Monty* OPPOSE _____ MORE INFORMATION _____

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: DATABASE TECHNOLOGY - MICROSOFT DATABASE ADMINISTRATOR (25057)
EFFECTIVE TERM: Spring 2011 (2010-2)

CURRENT PROGRAM SHEET SHOWING PROPOSED CHANGES

I. GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (3.00 credits)

[ENC 1101](#) - English Composition 1 (3 credits)

2. ORAL COMMUNICATIONS (3.00 credits)

[SPC 1017](#) - Fundamentals of Speech Communication (3 credits)

3. HUMANITIES (3.00 credits)

[PHI 2604](#) - Critical Thinking/Ethics (3 credits)

4. BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)

[CLP 1006](#) - Psychology of Personal Effectiveness (3 credits)

5. MATH/SCIENCE (3.00 credits)

[MAC 1105](#) - College Algebra (3 credits)

6. COMPUTER COMPETENCY

Test type(s) needed:

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

7. MAJOR COURSE REQUIREMENTS (36.00 credits)

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

(REMOVE FROM PROGRAM ONLY)

CGS1540 Introduction to Database Concepts and Design (4 credits) **(ADD NEW COURSE)**

[CGS 1546](#) - Microsoft SQL Administration (4 credits)

[CGS 2547](#) - SQL Server Implementation (4 credits)

[CTS 1328](#) - Supporting Microsoft Clients (4 credits)

[COP 1332](#) - Introduction to Visual Basic Programming (4 credits)

COP2333 Advanced Programming Concepts using Visual Basic_ **(ADD EXISTING COURSE)**

[CTS 2306](#) - Implementing a Networking Infrastructure (4 credits)

8. MAJOR COURSE ELECTIVE (12.00 credits)

CAP*

CEN*

[CET1600](#) -Networking Fundamentals (recommended) **(ADD EXISTING COURSE)**

CGS*

CIS* (Include New Elective CIS2432)

COP*

CTS* (Include New Elective CTS2450)

[CTS2334](#) - Planning and Administering Windows Servers (recommended) [currently CTS1334 Managing a Windows Server Environment] **(COURSE NUMBER CHANGE)**

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: DATABASE TECHNOLOGY - MICROSOFT DATABASE ADMINISTRATOR (25057)
EFFECTIVE TERM: Spring 2011 (2010-2)

I. GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (3.00 credits)

[ENC 1101](#) - English Composition 1 (3 credits)

2. ORAL COMMUNICATIONS (3.00 credits)

[SPC 1017](#) - Fundamentals of Speech Communication (3 credits)

3. HUMANITIES (3.00 credits)

[PHI 2604](#) - Critical Thinking/Ethics (3 credits)

4. BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)

[CLP 1006](#) - Psychology of Personal Effectiveness (3 credits)

5. MATH/SCIENCE (3.00 credits)

[MAC 1105](#) - College Algebra (3 credits)

6. COMPUTER COMPETENCY

Test type(s) needed:

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

7. MAJOR COURSE REQUIREMENTS (36.00 credits)

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

CGS1540 Introduction to Database Concepts and Design (4 credits)

[CGS 1546](#) - Microsoft SQL Administration (4 credits)

[CGS 2547](#) - SQL Server Implementation (4 credits)

[CTS 1328](#) - Supporting Microsoft Clients (4 credits)

[COP 1332](#) - Introduction to Visual Basic Programming (4 credits)

COP2333 Advanced Programming Concepts using Visual Basic

[CTS 2306](#) - Implementing a Networking Infrastructure (4 credits)

8. MAJOR COURSE ELECTIVE (12.00 credits)

CAP*

CEN*

[CET1600](#) - Networking Fundamentals (recommended)

CGS*

CIS*

COP*

CTS*

[CTS2334](#) - Planning and Administering Windows Servers (recommended)

Oracle Database Administrator (25058)

Add Existing Courses

COP2800 Java Programming
CTS2334 Planning and Administering Windows Servers (**Proposed New Number/Title**)

Add New Courses

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
CGS1540	Database Concepts and Design	4	1,2,3,5,6,7,8	2010-2

Course Description: This course is designed for computer science majors and non-majors who require a fundamental knowledge of databases and database management systems. Students will learn how to design, implement and use databases to maintain and manipulate data. Pre-requisites: CGS1060 or CGS1021 or Computer Competency Test. A.S. degree only. Laboratory fee. (3 hr lecture, 2 hr lab)

Recommended Course User Fee: \$51.00

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
CIS2342	Business Intelligence: Integration Svcs. & Reporting Svcs.	4	1,2,3,5,6,7,8	2010-2

Course Description: This course is designed to provide students with the skills necessary for advanced web-based applications. Students will learn how to analyze business requirements to determine data access and data transfer requirements and how to apply database and problem solving skills to build data flow, design integration services, and reporting services. Prerequisite: CGS1546 or CGS2547. A.S. degree only. Laboratory fee. (3 hr lecture, 2 hr lab)

Recommended Course User Fee: \$51.00

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
CTS2450	Business Intelligence: Integration Svcs. & Reporting Svcs.	4	1,2,3,5,6,7,8	2010-2

Course Description: This course is designed to provide students with the skills necessary for advanced web-based applications. Students will learn how to analyze business requirements to determine data access and data transfer requirements and how to apply database and problem solving skills to build data flow, design integration services, and reporting services. Prerequisite: CGS1546 or CGS2547. A.S. degree only. Laboratory fee. (3 hr lecture, 2 hr lab)

Recommended Course User Fee: \$51.00

Delete Existing Course

CGS1541 Database Applications (program only)
COP2333 Advanced Programming Using Visual Basic (program only)

APPROVE *g Monty* OPPOSE _____ MORE INFORMATION _____

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: DATABASE TECHNOLOGY - ORACLE DATABASE ADMINISTRATOR (25058)
EFFECTIVE TERM: Spring 2011 (2010-2)

CURRENT PROGRAM SHEET SHOWING PROPOSED CHANGES

I. GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (3.00 credits)

┌ [ENC 1101](#) - English Composition 1 (3 credits)

2. ORAL COMMUNICATIONS (3.00 credits)

┌ [SPC 1017](#) - Fundamentals of Speech Communication (3 credits)

3. HUMANITIES (3.00 credits)

┌ [PHI 2604](#) - Critical Thinking/Ethics (3 credits)

4. BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)

┌ [CLP 1006](#) - Psychology of Personal Effectiveness (3 credits)

5. MATH/SCIENCE (3.00 credits)

┌ [MAC 1105](#) - College Algebra (3 credits)

6. COMPUTER COMPETENCY

Test type(s) needed:

┌ [CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

7. MAJOR COURSE REQUIREMENTS (32.00 credits)

┌ [COP 1332](#) - Introduction to Visual Basic Programming (4 credits) **(SHIFT TO ELECTIVE AREA)**

(CURRENT EXISTING COURSE NUMBER IS COP1332)

[COP1334](#) – Introduction to Object Oriented Programming using C++ (4 credits)
(ADD EXISTING COURSE)

┌ [COP2800](#) Java Programming (4 credits)
(ADD EXISTING COURSE)

(REMOVE FROM PROGRAM ONLY)

┌ [CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

(REMOVE FROM PROGRAM ONLY)

[CGS1540](#) Introduction to Database Concepts and Design (4 credits) **(ADD NEW COURSE)**

┌ [CTS 2440](#) - Introduction to Oracle: SQL and PL/SQL (4 credits)

┌ [CTS 2441](#) - Introduction to Oracle Database Administration (4 credits)

┌ [CTS 2442](#) - Intermediate Oracle Database Administration (4 credits)

┌ [CTS 2444](#) - Oracle Database Performance Tuning (4 credits)

9. MAJOR COURSE ELECTIVE (16.00 credits)

┌ CAP*

┌ CEN*

┌ CGS*

CIS* (Include New Elective CIS2432)

┌ COP*

CTS* (Include New Elective CTS2450)

┌ [COP 1332](#) - Introduction to Visual Basic Programming (4 credits)

ASSOCIATE IN SCIENCE DEGREE

PROGRAM OF STUDY: DATABASE TECHNOLOGY –ORACLE DATABASE ADMINISTRATOR (25058)

EFFECTIVE DATE: SPRING 2011 (2010-2)

Total Credits Required - 63

I. GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (3.00 credits)

[ENC 1101](#) - English Composition 1 (3 credits)

2. ORAL COMMUNICATIONS (3.00 credits)

[SPC 1017](#) - Fundamentals of Speech Communications (3 credits)

3. HUMANITIES (3.00 credits)

[PHI 2604](#) - Critical Thinking/Ethics (3 credits)

4. BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)

[CLP 1006](#) - Psychology of Personal Effectiveness (3 credits)

5. MATH/SCIENCE (3.00 credits)

[MAC 1105](#) - College Algebra (3 credits)

6. COMPUTER COMPETENCY

Test type(s) needed:

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

7. MAJOR COURSE REQUIREMENTS (32 .00 credits)

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)
[CGS1540](#) Introduction to Database Concepts and Design (4 credits)

[COP1334](#) – Introduction to Object Oriented Programming using C++ (4 credits)

[COP2800](#) – Java Programming (4 credits)

[CTS 2440](#) - Introduction to Oracle: SQL and PL/SQL (4 credits)

[CTS 2441](#) - Introduction to Oracle Database Administration (4 credits)

[CTS 2442](#) - Intermediate Oracle Database Administration (4 credits)

[CTS 2444](#) - Oracle Database Performance Tuning (4 credits)

9. PROGRAM ELECTIVES (16.00 credits)

CAP*

CEN*

CGS*

CIS*

COP*

[COP 1332](#) - Introduction to Visual Basic Programming (4 credits)

CTS*

Oracle Database Developer (25060)

Add Existing Courses

COP2800 Java Programming
CTS2334 Planning and Administering Windows Servers (**Proposed New Number/Title**)

Add New Courses

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
CGS1540	Database Concepts and Design	4	1,2,3,5,6,7,8	2010-2

Course Description: This course is designed for computer science majors and non-majors who require a fundamental knowledge of databases and database management systems. Students will learn how to design, implement and use databases to maintain and manipulate data. Pre-requisites: CGS1060 or CGS1021 or Computer Competency Test. A.S. degree only. Laboratory fee. (3 hr lecture, 2 hr lab)

Recommended Course User Fee: \$51.00

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
CIS2342	Business Intelligence: Integration Svcs. & Reporting Svcs.	4	1,2,3,5,6,7,8	2010-2

Course Description: This course is designed to provide students with the skills necessary for advanced web-based applications. Students will learn how to analyze business requirements to determine data access and data transfer requirements and how to apply database and problem solving skills to build data flow, design integration services, and reporting services. Prerequisite: CGS1546 or CGS2547. A.S. degree only. Laboratory fee. (3 hr lecture, 2 hr lab)

Recommended Course User Fee: \$51.00

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
CTS2450	Business Intelligence: Integration Svcs. & Reporting Svcs.	4	1,2,3,5,6,7,8	2010-2

Course Description: This course is designed to provide students with the skills necessary for advanced web-based applications. Students will learn how to analyze business requirements to determine data access and data transfer requirements and how to apply database and problem solving skills to build data flow, design integration services, and reporting services. Prerequisite: CGS1546 or CGS2547. A.S. degree only. Laboratory fee. (3 hr lecture, 2 hr lab)

Recommended Course User Fee: \$51.00

Delete Existing Course

CGS1541 Database Applications (program only)
COP2333 Advanced Programming Using Visual Basic (program only)
COP1332 Introduction to Visual Basic Programming (program only)
CTS2447 Intermediate Oracle Database Applications (from system)
CTS2448 Oracle Report Building (from system)

APPROVE Amonty OPPOSE _____ MORE INFORMATION _____

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: DATABASE TECHNOLOGY - ORACLE DATABASE DEVELOPER (25060)
EFFECTIVE TERM: Spring 2011 (2010-2)

CURRENT PROGRAM SHEET SHOWING PROPOSED CHANGES

I. GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (3.00 credits)

- [ENC 1101](#) - English Composition 1 (3 credits)
-

2. ORAL COMMUNICATIONS (3.00 credits)

- [SPC 1017](#) - Fundamentals of Speech Communication (3 credits)
-

3. HUMANITIES (3.00 credits)

- [PHI 2604](#) - Critical Thinking/Ethics (3 credits)
-

4. BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)

- [CLP 1006](#) - Psychology of Personal Effectiveness (3 credits)
-

5. MATH/SCIENCE (3.00 credits)

- [MAC 1105](#) - College Algebra (3 credits)
-

6. COMPUTER COMPETENCY

Test type(s) needed:

- [CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)
-

7. MAJOR COURSE REQUIREMENTS (28.00 credits)

- [CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

(REMOVE FROM PROGRAM ONLY)

(REMOVE FROM PROGRAM ONLY)

- [CGS1540](#) Introduction to Database Concepts and Design (4 credits) (ADD NEW COURSE)

[COP1334](#) Introduction to Object Oriented Programming using C++ (4 credits) (ADD EXISTING COURSE)

(REMOVE FROM PROGRAM ONLY)

[COP2800](#) Java Programming (4 credits) (ADD EXISTING COURSE)

- [CTS 2440](#) - Introduction to Oracle: SQL and PL/SQL (4 credits)

(REMOVE FROM ENTIRE SYSTEM)

- [CTS 2445](#) - Programming PL/SQL in Oracle (4 credits)

(REMOVE FROM SYSTEM)

- [CTS 2446](#) - Building Internet Applications with Oracle (4 credits)
-

8. PROGRAM ELECTIVES (20.00 credits)

- CAP*

CIS* (Include New Elective CIS2432)

- CEN*

COP*

- CGS*

CTS* (Include New Elective CTS2450)

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: DATABASE TECHNOLOGY – ORACLE SOLUTIONS DEVELOPER (25060)
EFFECTIVE DATE: SPRING 2011 (2010-2)

Total Credits Required: 63

PROPOSED

I. GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (3.00 credits)

[ENC 1101](#) - English Composition 1 (3 credits)

2. ORAL COMMUNICATIONS (3.00 credits)

[SPC 1026](#) - Fundamentals of Speech Communications (3 credits)

3. HUMANITIES (3.00 credits)

[PHI 2604](#) - Critical Thinking/Ethics (3 credits)

4. BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)

[CLP 1006](#) - Psychology of Personal Effectiveness (3 credits)

5. MATH/SCIENCE (3.00 credits)

[MAC 1105](#) - College Algebra (3 credits)

6. COMPUTER COMPETENCY

Test type(s) needed:

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

7. MAJOR COURSE REQUIREMENTS (28.00 credits)

[CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)

CGS1540 Introduction to Database Concepts and Design (4 credits)

[COP1334](#) – Introduction to Object Oriented Programming using C++ (4 credits)

[COP2800](#) – Java Programming (4 credits)

[CTS 2440](#) - Introduction to Oracle: SQL and PL/SQL (4 credits)

[CTS 2445](#) - Programming PL/SQL in Oracle (4 credits)

[CTS 2446](#) – Building Internet Applications with Oracle (4 credits)

8. PROGRAM ELECTIVES (20.00 credits)

CAP*

CEN*

CGS*

CIS*

COP*

CTS*

Delete Program Option

Database Technology

Microsoft Solutions Developer Option (25059)

Rationale: Track deletion. Microsoft has deleted this designation from its certification tracks.

APPROVE  OPPOSE _____ MORE INFORMATION _____

DELET PROGRAM TRACK ONLY

ASSOCIATE IN SCIENCE DEGREE

PROGRAM OF STUDY: DATABASE TECHNOLOGY - MICROSOFT SOLUTIONS DEVELOPER
(25059)

EFFECTIVE TERM: Spring 2011 (2010-2)

I. GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (3.00 credits)

- ENC 1101 - English Composition 1 (3 credits)
-

2. ORAL COMMUNICATIONS (3.00 credits)

- SPC 1017 - Fundamentals of Speech Communication (3 credits)
-

3. HUMANITIES (3.00 credits)

- PHI 2604 - Critical Thinking/Ethics (3 credits)
-

4. BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)

- CLP 1006 - Psychology of Personal Effectiveness (3 credits)
-

5. MATH/SCIENCE (3.00 credits)

- MAC 1105 - College Algebra (3 credits)
-

6. COMPUTER COMPETENCY

Test type(s) needed:

- CGS 1060 - Introduction to Microcomputer Usage (4 credits)
-

7. MAJOR COURSE REQUIREMENTS (12.00 credits)

- CGS 1060 - Introduction to Microcomputer Usage (4 credits)

- CGS 1541 - Database Applications (4 credits)
-

- COP 1332 - Introduction to Visual Basic Programming (4 credits)

8. PROGRAM CORE REQUIRED (16.00 credits)

- CGS 2547 - Microsoft SQL Implementation (4 credits)

- CTS 2700 - Design Business Solutions (4 credits)
-

- COP 2333 - Advanced Programming Concepts using Visual Basic (4 credits)

- CTS 2404
-

9. MAJOR COURSE ELECTIVE (20.00 credits)

- CAP*

- CEN*

- CGS*

- CIS*

- COP*

- CTS*
-

* End of Program Sheet *

PLEASE NOTE: That the highlighted courses are used in program 25057 – Database Technology: Microsoft Database Administrator.

Request to Delete Database Technology – Microsoft Solutions Developer Option25059

1. Executive Summary

a) Why is the track being deleted?

Microsoft has deleted this designation from its certification tracks. It is no longer a viable workforce option.

b) How many students are currently enrolled under this track (if any)?

As of fall 2009, there were 3 declared major, of which 1 had reached the 50% benchmark and 0 graduated. In 2008, there were 3 graduates from the program option.

FALL								
Variable	2002	2003	2004	2005	2006	2007	2008	2009
Declared Majors	2	4	5	3	3	8	8	3
College Prep Not Required	0	0	0	2	2	3	3	1
College Prep Completed	0	0	0	0	0	0	0	0
General Ed. Completed	0	0	1	1	0	0	1	1
25%+Benchmark	0	2	2	1	1	0	3	1
50%+Benchmark	0	1	1	1	0	0	1	1
75%+Benchmark	0	0	1	1	0	0	1	1
100%+Benchmark	0	0	1	1	0	0	1	0
Potential Term Graduate	0	0	0	0	0	0	0	0
Key Upper Level Courses	21	21	20	0	13	0	0	18
Key Courses with Declared Major	0	0	0	0	0	0	0	0
Graduated	0	0	1	1	0	0	1	0
Placed								N/A

ANNUAL								
Variable	2002	2003	2004	2005	2006	2007	2008	
Declared Majors	4	9	10	6	11	13	10	
College Prep Not Required	0	0	2	3	4	4	5	
College Prep Completed	0	0	0	0	0	0	0	
General Ed. Completed	0	0	2	2	0	0	3	
25%+Benchmark	0	4	4	2	2	0	5	
50%+Benchmark	0	4	3	1	2	0	3	
75%+Benchmark	0	2	2	1	0	0	2	
100%+Benchmark	0	0	1	1	0	0	1	
Potential Term Graduate	0	0	0	0	0	0	0	
Key Upper Level Courses	42	37	45	13	13	0	0	
Key Courses with Declared Major	0	1	1	0	1	0	0	
Graduated	0	0	2	1	0	0	3	
Placed	0	3	5	8	N/A	N/A	N/A	

c) How will you be advising/accommodating these students (ie. Shift to another program)?

Current students will receive full credit for all courses they have already taken and will be advised to complete transfer to the Microsoft Database Administrator option, to which all their coursework can be applied. Four of the major and program core courses are part of the Microsoft DBA track and three other required courses can be applied as electives (see attached program sheet).

d) Are the courses under the track still valid (ie. can they be used as electives for the parent program)? *Yes*

1. CASSC Form 103 – Program Action Form - *attached*

a. Provide a Program Sheet showing the removal of the Track Option/Courses

2. CASSC Form 102 – Course Action Form (if applicable) *N/A*