

Miami Dade College
Office Associate Provost, Academic Affairs

January 13, 2012

MEMORANDUM

TO: Rolando Montoya

FROM: Michael Reiner

SUBJECT: APPROVAL OF CURRICULUM REPORT #87

Attached for your approval is the approved curriculum presented at the January 10, 2012 CASSC meeting.

The information in Curriculum Report #86 includes the following items:

1. **School of Engineering and Technology**

• **Program Modifications –**

Computer Engineering Technology (26052)

Computer Programming and Analysis-Bus Application Program (25065)

• **Revised Course Description/Modifications –**

CET1178C – A+ Computer Hardware Service

CET2588C – Server + Service and Maintenance

COP2822 – Web Page Design and Programming

CIS1949 – Co-op Work Experience 1: CIS

2. **School of Entertainment Design & Technology**

• **Business Management Option (25019)**

Course Deletion

MUN

Add Existing Course

MVK11 Class Piano 1

3. **Information Items**

Virtual College

Last Date of Attendance for Virtual College Courses

- ANGEL Replacement, the next Learning Management System for MDC

School of Entertainment Design & Technology

• **State Mandated Program Modifications –**

Music Business – Creative Production Option (25044)

Music Business – Creative Performance Option (25043)

Music Business – Business Management Option (25019)

School of Engineering and Technology

• **State Mandated – Program Title Change (s) –**

Heating, Ventilation & Air Conditioning Apprenticeship (**Current Title**)

Air Conditioning, Refrigeration and Heating Technology (**New Title**)

CISCO Network Associate (**Current Title**)

CISCO Certified Network Associate (CCNA) (**New Title**)

Computer Programming (**Current Title**)

Computer Programmer (**New Title**)

Sheet Metal Apprenticeship (**Current Title**)

Sheet Metal Fabrication Technology (**New Title**)

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

Attachment

Miami Dade College
College-wide CASSC Meeting – JANUARY 10, 2012
CURRICULUM REPORT #87

1. School of Engineering and Technology

Program Modifications –

Program Title: Computer Engineering Technology (26052)

Start Term: 2011-3 Summer Semester

Degree Type: Associate in Science

Affected Campuses: 1, 2, 3, 5, 6, 7, 8

Description: The Computer Engineering Technology program prepares students for employment as computer engineering technicians/technologists and related occupations in electronics. It also provides supplemental training for persons currently or previously employed in these occupations. The program focuses on understanding and applying hardware and software concepts and troubleshooting techniques to digital, microprocessor or computer-based systems.

Proposal Executive Summary:

Rationale: Modify program to facilitate articulation with the BS EET.

Modification:

1. Major Course Requirements (area 7):
 - Delete: MTB 1322 – Technical Mathematics (3 credits)
 - Add: MAC 1114 – Trigonometry (3 credits)
2. Major Course Electives (area 8):
 - Delete the following end-termed courses from the curriculum sheet in order to reflect previous course deletions (clean-up process):
 - CET 2179 - A+ Certification Examination Review (3 credits)
 - EET 1142C - Transistor Circuits (4 credits)
 - ETD 2350 - Computer Graphics (3 credits)
 - MTB 1321 - Technical Mathematics 1 (3 credits)
 - Delete the following courses from the area (courses are not relevant to the program objectives/outcomes):
 - CTS 1134 – Networking Technologies (4 credits)
 - ETD 1340 – Computer Aided Drawing & Design (3 credits)
 - ETD 1110 – Technical Drawing 1 (4credits)
 - Add the following courses to area 8:
 - EET 2323 C – Analog Communications (4 credits)
 - MAC 1140 – Pre-Calculus Algebra (3 credits)

APPROVE_____ **OPPOSE**_____ **MORE INFORMATION**_____

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: COMPUTER ENGINEERING TECHNOLOGY (26052)
EFFECTIVE TERM: SUMMER 2012 (2011-3)

Proposed

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 (46.00 credits)

- [CET 1171](#) - Introduction to Computer Service and Maintenance (3 credits)
- [CET 1178C](#) - A+ Computer Hardware Service (3 credits)
- [CET 1487C](#) - Network+ (3 credits)
- [CET 1110C](#) - Digital Circuits (4 credits)
- [CET 2123C](#) - Microprocessors (4 credits)
- [CET 2113C](#) - Advanced Digital Circuits (4 credits)

- [CET 2588C](#) - Server + Service and Maintenance (3 credits)
- [EET 1015C](#) - Direct Current Circuits (4 credits)
- [EET 1025C](#) - Alternating Current Circuits (4 credits)
- [EET 1082](#) - Introduction to Electronics (3 credits)
- [EET 2351C](#) - Electronic Communications 2 - Digital (4 credits)
- [MAC1114 Trigonometry \(3 credits\)](#)

}--- And ---

Must take 4.0 credits from the following group.

- [COP 1220](#)

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

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

All Labs

8. MAJOR COURSE ELECTIVE (7.00 credits)

- [EET 1141C](#) - Electronics 1 (4 credits)
- [EET 2101C](#) - Electronics 2 (4 credits)

[EET 2323C – Analog Communications \(4 credits\)](#)

- [MAC 1140 Pre-Calculus Algebra \(3 credits\)](#)

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: COMPUTER ENGINEERING TECHNOLOGY (26052)
EFFECTIVE TERM: Spring-SUMMER 2012 (2011-23)

SHOWING 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 (46.00 credits)

Must take 42.0 credits from the following group.

- [CET 1171](#) - Introduction to Computer Service and Maintenance (3 credits)
- [CET 1178C](#) - A+ Computer Hardware Service (3 credits)
- [CET 1487C](#) - Network+ (3 credits)
- [CET 1110C](#) - Digital Circuits (4 credits)
- [CET 2123C](#) - Microprocessors (4 credits)
- [CET 2113C](#) - Advanced Digital Circuits (4 credits)

- [CET 2588C](#) - Server + Service and Maintenance (3 credits)
- [EET 1015C](#) - Direct Current Circuits (4 credits)
- [EET 1025C](#) - Alternating Current Circuits (4 credits)
- [EET 1082](#) - Introduction to Electronics (3 credits)
- [EET 2351C](#) - Electronic Communications 2 - Digital (4 credits)
- ~~[MTB 1322](#) - Technical Mathematics 2 (3 credits)~~ [MAC1114 Trigonometry \(3 credits\)](#)

| - - And - - - |

Must take 4.0 credits from the following group.

- [COP 1220](#)

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

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

All Labs **8. MAJOR COURSE ELECTIVE (7.00 credits)** ~~[CTS 1134](#) - Networking Technologies (4 credits)~~

~~[CET 2179](#) - A+ Certification Examination Review (3 credits)~~

[EET 1141C](#) - Electronics 1 (4 credits)

~~[EET 1142C](#) Transistor Circuits (4 credits)~~

[EET 2101C](#) - Electronics 2 (4 credits)

~~[EET 2323C](#) - Analog Communications (4 credits) [ETD 1340](#) - Computer Aided Drawing & Design (3 credits)~~

~~[MAC 1140](#) Pre-Calculus Algebra (3 credits) [ETD 2350](#) - Computer Graphics (3 credits)~~

~~[MTB 1321](#) - Technical Mathematics 1 (3 credits)~~

~~[ETD 1110](#) - Technical Drawing 1 (4 credits)~~

* End of Program Sheet *

Program Title: Computer Programming and Analysis-Bus Application (25065)

Start Term: 2011-3 Summer Semester

Degree Type: Associate in Science

Affected Campuses: 1, 2, 3, 5, 6, 7, 8

Description: The Computer Programming and Analysis program provides an opportunity to establish a basic foundation in computer programming in scientific, commercial, industrial and government information technology applications. Graduates are prepared for positions as entry-level application programmers, programmer specialists, computer programmers and programmer analysts.

Proposal Executive Summary:

Modification: Add: **CIS1949 Co-Op Work Experience** to block 8 as an elective.

APPROVE_____ **OPPOSE**_____ **MORE INFORMATION**_____

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: COMPUTER PROGRAMMING AND ANALYSIS-BUS
APPLICATION PROG. (25065)
EFFECTIVE TERM: Summer 2012 (2011-3)

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)

- [ACG 2021](#) - Financial Accounting (3 credits)
 [ACG 2021L](#) - Financial Accounting Lab (1 credit)
 [CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)
 [CGS 1541](#) - Database Applications (4 credits)
 [CIS 1321](#) - Introduction to Systems Analysis and Design (4 credits)

- [CIS 2322](#) - Systems Analysis Design and Implementation (4 credits)
 [COP 1332](#) - Introduction to Visual Basic Programming (4 credits)
 [COP 1334](#) - Introduction to Object Oriented Programming C++ (4 credits)
 [COP 2800](#) - Java Programming (4 credits)
-

8. PROGRAM ELECTIVE (16.00 credits)

Must take 8.0 credits from the following group.

- [COP 2333](#) - Advanced Programming Concepts using Visual Basic (4 credits)
 [COP 2335](#) - Advanced Object Oriented Programming using C++ (4 credits)
:- - - And - - -

- [COP 2805](#) - Advanced Java Programming (4 credits)
 [COP 2842](#) - Developing Websites using PHP/MYSQL (4 credits)

Must take 8.0 credits from the following group. [CGS 2091](#) - Professional Ethics and Social Issues in CS (4 credits)

- [CIS1949 - Co-Op Work Experience \(1 - 4 variable credit\)](#)
 [COP 2700](#) - Database Application Programming (4 credits)

- [COP 2823](#) - ASP/Script Language Programming (4 credits)
 [CTS 2463](#) - C# Web Application Development (4 credits)
 [CTS 2433](#) - Microsoft SQL Implementation (4 credits)

Revised Course Description/Modifications –

Curriculum Action Rationale: Add CET1171 as a prerequisite to ensure that students have the necessary foundation skills to be successful in this course; add prerequisite to course description. No change in course description, competencies, or current fees.

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff.</u> <u>Term</u>
CET1178C	A+ Computer Hardware Service	3	1,2,3,5,6,7,8	2011-3

Course Description: This is an intermediate level course that prepares students for A+ hardware certification. Students will learn how to: install, configure, and upgrade components diagnose and troubleshoot computer systems, identify, test, and troubleshoot motherboards, processors, memory, and printers, and connect network equipment. Laboratory fee. (48 hr. lecture). Pre-requisites: CET1171.

Curriculum Action Rationale: Add "CET1178C or A+ certification" as recommended preparation to ensure students have the adequate foundation skills to be successful in this course. Modify course description to show changes. No change to course competencies, or current fee.

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff.</u> <u>Term</u>
CET2588C	Server + Service and Maintenance	3	1,2,3,5,6,7,8	2011-3

Course Description: This course is designed for students preparing for the hardware component of the Server + certification. Students will learn how to install, configure, and upgrade workstations and servers, configure and test network and peripheral equipment, and diagnose and troubleshoot advanced computer systems. Laboratory fee. College readiness in reading and math required. (48 hr. lecture) Recommended Preparation: CET1178C or A+ certification.

Curriculum Action Rationale: Changing prerequisites to include COP1332 OR COP1334 to accommodate students taking either the Microsoft or the Open Source option. Please note: No other changes are being requested. Current fees remain the same.

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff.</u> <u>Term</u>
COP2822	Web Page Design and Programming	4	1,2,3,5,6,7,8	2011-3

Course Description: This is an intermediate level programming course that prepares students for web development. Students will learn client-side programming skills and technologies, such as JavaScript, XML, and Ajax. Laboratory fee. (48 hr. lecture 32 hr. lab) Pre-requisites: COP1332, or COP1334, and CTS1800.

Curriculum Action Rationale: 1. Modify course description. 2. Change credits to variable hours (1 - 4 lecture hours. 3. Update competencies. 4. No change requested in current fees.

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff.</u> <u>Term</u>
CIS1949	Co-Op Work Experience 1: CIS	1-4	1,2,3,5,6,7,8	2011-3

Course Description: This course is designed as a work experience for students majoring in computer information systems programs. Students will learn to apply the skills and knowledge that they have acquired through their program of study in a real work environment. Prerequisite: Successful completion of required program course work. Department approval required. (1-4 hr lecture) (16 – 64 hr. lecture) Pre-requisites:

APPROVE _____ **OPPOSE** _____ **MORE INFORMATION** _____

2. Informational Items

State Mandated

School of Entertainment & Design Technology

Program Modifications –

Program Title: Music Business – Business Management Option (25019)

Start Term: 2012-1 Fall Semester

Degree Type: Associate in Science

Affected Campuses: 1, 2, 3

Proposal Executive Summary:

Business Management Option (25019)

Area 9:

- Removing MUN*
- Adding MVK1111 Class Piano 1 (1 credit) existing course

Area 10:

- Increasing area from 6 to 7 credits.
- The following course prefixes will be added: MUN*; MVB*; MVJ*; MVK*; MVO*; MVP*; MVS*; MVV*; MVW*; MUM2604; MUM2605.

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: MUSIC BUSINESS - BUSINESS MANAGEMENT OPTION (25019)
EFFECTIVE TERM: Spring Fall 2012 (2011-1) (2012-1)

Proposed

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 (15.00 credits)

[MUM 2700](#) - Music Business 1 (3 credits)

[MUM 2702](#) - Music Business 2-Careers (3 credits)

[MUM 2703](#) - Music Business 3-Computer (3 credits)

[MUM 2704](#) - Music Business 4- Computer Applications (3 credits)

[MUM 1949](#) - Co-op Work Experience 1: MUM (3 credits)

8. MAJOR COURSE REQUIREMENTS (13.00 credits)

[MAR 1011](#) - Principles of Marketing (3 credits)

Must take 9.0 credits from the following group.

[GEB 1011](#) - Principles of Business (3 credits)

[SBM 1000](#) - Small Business Management (3 credits)

- - - And - - -

Must take 4.0 credits from the following group.

[COP 1822](#) - Web Page Design and Programming (4 credits)

9. PROGRAM CORE REQUIRED (14.00 credits) [ACG 2021](#) - Financial Accounting (3 credits)

[ACG 2021L](#) - Financial Accounting Lab (1 credit)

[BJL 2241](#) - Business Law 1 (3 credits)

[GEB 2350](#) - Introduction to International Business (3 credits)

[MUL 1010](#) - Music Appreciation (3 credits)

[MUN*](#)

[MVK1111 Class Piano 1 \(1 credit\)](#)

10. MAJOR COURSE ELECTIVE (~~6-00~~ 7 credits)

[BJL 2242](#) - Business Law 2 (3 credits)

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

[MAN 2021](#) - Principles of Management (3 credits)

[MAN 2930](#) - Creative Leadership (3 credits)

[MKA 1511](#) - Principles of Advertising and Cooperating (3 credits)

[MKA 1021](#) - Fundamentals of Selling (3 credits)

[MUC 2311](#) - Electronic Music 1 (3 credits)

[MUC 2601](#)

[MUC 2617](#) - Songwriting 2 (3 credits)

[MUH 2111](#) - Survey of Music History 1 (3 credits)

[MUH 2112](#) - Survey of Music History 2 (3 credits)

[MUL 2380](#) - Jazz and Popular Music in America (3 credits)

[MUM 2600](#) - Sound Recording 1 (3 credits)

[MUM 2600L](#) - Sound Recording 1 Lab (1 credit)

[MUM 2601](#) - Sound Recording 2 (3 credits)

[MUM 2601L](#) - Sound Recording 2 Lab (1 credit)

[MUM 2623C](#) - MIDI Electronic Music 1 (2-3 credits)

[MUM 2624C](#) - MIDI-Electronic Music 2 (2-3 credits)

[MUM 2640L](#) - Multi-Track Mixdown Techniques (1 credit)

[MUT 2641](#) - Jazz Improvisation 1 (3 credits)

[MUT 2238](#) - Introduction to Jazz Keyboard Harmony (1 credit)

[MUT 2351](#) - Introduction to Popular Music Arranging (3 credits)

[PUR 2003](#) - Public Relations (3 credits)

[RTV 1000](#) - Fundamentals of Broadcasting (3 credits)

[RTV 1210C](#) - Radio Production (3 credits)

[RTV 1241C](#) - TV Studio Production 1 (4 credits)

[RTV 2249C](#) - Radio Program Operations (3 credits)

[TAX 2010](#) - Business Taxes & Returns (3 credits)

[MVS*](#)

- [MUN*](#)
- [MVB*](#)
- [MVJ*](#)
- [MVK*](#)
- [MVO*](#)
- [MVP*](#)

- [MVV*](#)
- [MVV*](#)
- [MVW*](#)
- [MUM 2604](#) – Multi- Track Mixdown Techniques (1 credit)
- [MUM 2605](#) - Multi-Track Production Techniques 1 (1 credit)

- [MUC 2617](#) - Songwriting 2 (3 credits)
- [MUH 2111](#) - Survey of Music History 1 (3 credits)
- [MUH 2112](#) - Survey of Music History 2 (3 credits)
- [MUL 2380](#) - Jazz and Popular Music in America (3 credits)
- [MUM 2600](#) - Sound Recording 1 (3 credits)
- [MUM 2600L](#) - Sound Recording 1 Lab (1 credit)
- [MUN*](#)
- [MVB*](#)
- [MVJ*](#)
- [MVK*](#)
- [MVO*](#)
- [MVP*](#)

- [PUR 2003](#) - Public Relations (3 credits)
- [RTV 1000](#) - Fundamentals of Broadcasting (3 credits)
- [RTV 1210C](#) - Radio Production (3 credits)
- [RTV 1241C](#) - TV Studio Production 1 (4 credits)
- [RTV 2249C](#) - Radio Program Operations (3 credits)
- [TAX 2010](#) - Business Taxes & Returns (3 credits)
- [MVS*](#)
- [MVV*](#)
- [MVV*](#)
- [MVW*](#)
- [MUM 2604](#) – Multi- Track Mixdown Techniques (1 credit)
- [MUM 2605](#) - Multi-Track Production Techniques 1 (1 credit)

* End of Program Sheet *

Program Title: Music Business – Creative Production Option (25044)
Start Term: 2012-1 Fall Semester
Degree Type: Associate in Science
Affected Campuses: 1, 2, 3
Modification: Increase credits to 64
Rationale: State Mandated Change for 2011-2012 for the Music Business Associate in Science degree programs (25019, 25044, 25043). One (1) credit is being added to each program core elective option in order to increase the total required credits from 63 to 64. There are no changes to the program frameworks as a result of this additional credit.

Proposal Executive Summary:

Creative Production Option (25044)

Area 10:

- Increasing area from 6 to 7 credits.
- The following course prefixes will be added: MUN*; MVB*; MVJ*; MVK*; MVO*; MVP*; MVS*; MVV*; MVW*; MUM2604; MUM2605.

**ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: MUSIC BUSINESS - CREATIVE PRODUCTION OPTION**

(25044)

EFFECTIVE TERM: ~~Fall~~ ~~Spring~~ 2012 (2012-1)

Proposed

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 (15.00 credits)

- | | |
|---|---|
| <input type="checkbox"/> MUM 2700 - Music Business 1 (3 credits) | <input type="checkbox"/> MUM 2704 - Music Business 4- Computer Applications (3 credits) |
| <input type="checkbox"/> MUM 2702 - Music Business 2-Careers (3 credits) | <input type="checkbox"/> MUM 1949 - Co-op Work Experience 1: MUM (3 credits) |
| <input type="checkbox"/> MUM 2703 - Music Business 3-Computer (3 credits) | |
-

8. MAJOR COURSE REQUIREMENTS (13.00 credits)

Must take 9.0 credits from the following group.

- [GEB 1011](#) - Principles of Business (3 credits)
- [SBM 1000](#) - Small Business Management (3 credits)
- - - And - - -

- [MAR 1011](#) - Principles of Marketing (3 credits)

Must take 4.0 credits from the following group.

- [COP 1822](#) - Web Page Design and Programming (4 credits)
-

9. PROGRAM CORE REQUIRED (14.00 credits)

- | | |
|--|---|
| <input type="checkbox"/> MUM 2623C - MIDI Electronic Music 1 (2-3 credits) | <input type="checkbox"/> MUT 1241 - Sightsinging and Ear Training (1-2 credits) |
| <input type="checkbox"/> MUM 2600 - Sound Recording 1 (3 credits) | <input type="checkbox"/> MVK 1111 - Class Piano 1 (1 credit) |
| <input type="checkbox"/> MUM 2600L - Sound Recording 1 Lab (1 credit) | <input type="checkbox"/> MVK 1112 - Class Piano 2 (1 credit) |
| <input type="checkbox"/> MUT 1111 - Theory (3 credits) | <input type="checkbox"/> MUN* |
-

10. MAJOR COURSE ELECTIVE (6.00 credits)

- | | |
|---|---|
| <input type="checkbox"/> BJL 2242 - Business Law 2 (3 credits) | <input type="checkbox"/> MUM 2601 - Sound Recording 2 (3 credits) |
| <input type="checkbox"/> CGS 1060 - Introduction to Microcomputer Usage (4 credits) | <input type="checkbox"/> MUM 2601L - Sound Recording 2 Lab (1 credit) |
| <input type="checkbox"/> MAN 2021 - Principles of Management (3 credits) | <input type="checkbox"/> MUM 2623C - MIDI Electronic Music 1 (2-3 credits) |
| <input type="checkbox"/> MAN 2930 - Creative Leadership (3 credits) | <input type="checkbox"/> MUM 2624C - MIDI-Electronic Music 2 (2-3 credits) |
| <input type="checkbox"/> MKA 1511 - Principles of Advertising and Cooperating (3 credits) | <input type="checkbox"/> MUM 2640L - Multi-Track Mixdown Techniques (1 credit) |
| <input type="checkbox"/> MKA 1021 - Fundamentals of Selling (3 credits) | <input type="checkbox"/> MUT 2641 - Jazz Improvisation 1 (3 credits) |
| <input type="checkbox"/> MUC 2311 - Electronic Music 1 (3 credits) | <input type="checkbox"/> MUT 2238 - Introduction to Jazz Keyboard Harmony (1 credit) |
| <input type="checkbox"/> MUC 2601 | <input type="checkbox"/> MUT 2351 - Introduction to Popular Music Arranging (3 credits) |
| | <input type="checkbox"/> PUR 2003 - Public Relations (3 credits) |

- [MUC 2617](#) - Songwriting 2 (3 credits)
- [MUH 2111](#) - Survey of Music History 1 (3 credits)
- [MUH 2112](#) - Survey of Music History 2 (3 credits)
- [MUL 2380](#) - Jazz and Popular Music in America (3 credits)
- [MUM 2600](#) - Sound Recording 1 (3 credits)
- [MUM 2600L](#) - Sound Recording 1 Lab (1 credit)

- [MUN*](#)
- [MVB*](#)
- [MVJ*](#)
- [MVK*](#)
- [MVO*](#)
- [MVP*](#)

- [RTV 1000](#) - Fundamentals of Broadcasting (3 credits)
- [RTV 1210C](#) - Radio Production (3 credits)
- [RTV 1241C](#) - TV Studio Production 1 (4 credits)
- [RTV 2249C](#) - Radio Program Operations (3 credits)
- [TAX 2010](#) - Business Taxes & Returns (3 credits)
- [MVS*](#)
- [MVV*](#)
- [MVW*](#)
- [MUM 2604](#) – Multi- Track Mixdown Techniques (1 credit)
- [MUM 2605](#) - Multi-Track Production Techniques 1 (1 credit)

* End of Program Sheet *

- [MKA 1021](#) - Fundamentals of Selling (3 credits)
- [MUC 2311](#) - Electronic Music 1 (3 credits)
- [MUC 2601](#)
- [MUC 2617](#) - Songwriting 2 (3 credits)
- [MUH 2111](#) - Survey of Music History 1 (3 credits)
- [MUH 2112](#) - Survey of Music History 2 (3 credits)
- [MUL 2380](#) - Jazz and Popular Music in America (3 credits)
- [MUM 2600](#) - Sound Recording 1 (3 credits)
- [MUM 2600L](#) - Sound Recording 1 Lab (1 credit)
- [MUN*](#)
- [MVB*](#)
- [MVJ*](#)
- [MVK*](#)
- [MVO*](#)
- [MVP*](#)
- [MUT 2238](#) - Introduction to Jazz Keyboard Harmony (1 credit)
- [MUT 2351](#) - Introduction to Popular Music Arranging (3 credits)
- [PUR 2003](#) - Public Relations (3 credits)
- [RTV 1000](#) - Fundamentals of Broadcasting (3 credits)
- [RTV 1210C](#) - Radio Production (3 credits)
- [RTV 1241C](#) - TV Studio Production 1 (4 credits)
- [RTV 2249C](#) - Radio Program Operations (3 credits)
- [TAX 2010](#) - Business Taxes & Returns (3 credits)
- [MVS*](#)
- [MVV*](#)
- [MVW*](#)
- [MUM 2604](#) - Multi-Track Mixdown Techniques (1 credit)
- [MUM 2605](#) - Multi-Track Production Techniques 1 (1 credit)

* End of Program Sheet *

Program Title: Music Business – Creative Performance Option (25043)
Start Term: 2012-1 Fall Semester
Degree Type: Associate in Science
Affected Campuses: 1, 2, 3
Modification: Increase credits to 64
Rationale: State Mandated Change for 2011-2012 for the Music Business Associate in Science degree programs (25019, 25044, 25043). One (1) credit is being added to each program core elective option in order to increase the total required credits from 63 to 64. There are no changes to the program frameworks as a result of this additional credit.

Proposal Executive Summary:

Creative Performance Option (25043)

Area 10:

- Increasing area from 3 to 4 credits.
- The following prefixes will be added: MUN*; MVB*; MVJ*; MVK*; MVO*; MVP*; MVS*; MVV*; MVW*; MUM2604; MUM2605.

**ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: MUSIC BUSINESS - CREATIVE PERFORMANCE OPTION**

(25043)

EFFECTIVE TERM: Fall ~~Spring~~ 2012 (2012-1)

Proposed

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 (15.00 credits)

- | | |
|---|---|
| <input type="checkbox"/> MUM 2700 - Music Business 1 (3 credits) | <input type="checkbox"/> MUM 2704 - Music Business 4- Computer Applications (3 credits) |
| <input type="checkbox"/> MUM 2702 - Music Business 2-Careers (3 credits) | <input type="checkbox"/> MUM 1949 - Co-op Work Experience 1: MUM (3 credits) |
| <input type="checkbox"/> MUM 2703 - Music Business 3-Computer (3 credits) | |
-

8. MAJOR COURSE REQUIREMENTS (13.00 credits)

- [MAR 1011](#) - Principles of Marketing (3 credits)

Must take 9.0 credits from the following group.

- [GEB 1011](#) - Principles of Business (3 credits)
 [SBM 1000](#) - Small Business Management (3 credits)
: : : - - - And - - - : : :

Must take 4.0 credits from the following group.

- [COP 1822](#) - Web Page Design and Programming (4 credits)
-

9. PROGRAM CORE REQUIRED (17.00 credits)

Must take 3.0 credits from the following group. MVB*

- | | |
|-------------------------------|-------------------------------|
| <input type="checkbox"/> MVB* | <input type="checkbox"/> MVP* |
| <input type="checkbox"/> MVJ* | <input type="checkbox"/> MVS* |
| <input type="checkbox"/> MVJ* | <input type="checkbox"/> MVS* |
| <input type="checkbox"/> MVK* | <input type="checkbox"/> MVV* |
| <input type="checkbox"/> MVK* | <input type="checkbox"/> MVV* |
| <input type="checkbox"/> MVV* | <input type="checkbox"/> MVW* |
| <input type="checkbox"/> MVW* | <input type="checkbox"/> MVW* |
| <input type="checkbox"/> MVO* | |
| <input type="checkbox"/> MVP* | |
- : : : - - - And - - - : : :

Must take 14.0 credits from the following group.

- [MUT 1112](#) - Theory (3 credits)

- | | |
|--|---|
| <input type="checkbox"/> MUC 2601 | <input type="checkbox"/> MUT 1241 - Sightsinging and Ear Training (1-2 credits) |
| <input type="checkbox"/> MUM 2623C - MIDI Electronic Music 1 (2-3 credits) | <input type="checkbox"/> MUT 1242 - Sightsinging and Ear Training (1-2 credits) |
| <input type="checkbox"/> MUN* | <input type="checkbox"/> MVK 1111 - Class Piano 1 (1 credit) |
| <input type="checkbox"/> MUN* | <input type="checkbox"/> MVK 1112 - Class Piano 2 (1 credit) |
| <input type="checkbox"/> MUT 1111 - Theory (3 credits) | |

- | | |
|---|---|
| 10. MAJOR COURSE ELECTIVE (43.00 credits) <input type="checkbox"/> BUL 2242 - Business Law 2 (3 credits) | <input type="checkbox"/> MUM 2601 - Sound Recording 2 (3 credits) |
| <input type="checkbox"/> CGS 1060 - Introduction to Microcomputer Usage (4 credits) | <input type="checkbox"/> MUM 2601L - Sound Recording 2 Lab (1 credit) |
| <input type="checkbox"/> MAN 2021 - Principles of Management (3 credits) | <input type="checkbox"/> MUM 2623C - MIDI Electronic Music 1 (2-3 credits) |
| <input type="checkbox"/> MAN 2930 - Creative Leadership (3 credits) | <input type="checkbox"/> MUM 2624C - MIDI-Electronic Music 2 (2-3 credits) |
| <input type="checkbox"/> MKA 1511 - Principles of Advertising and Cooperating (3 credits) | <input type="checkbox"/> MUM 2640L - Multi-Track Mixdown Techniques (1 credit) |
| <input type="checkbox"/> MKA 1021 - Fundamentals of Selling (3 credits) | <input type="checkbox"/> MUT 2641 - Jazz Improvisation 1 (3 credits) |
| <input type="checkbox"/> MUC 2311 - Electronic Music 1 (3 credits) | <input type="checkbox"/> MUT 2238 - Introduction to Jazz Keyboard Harmony (1 credit) |
| <input type="checkbox"/> MUC 2601 | <input type="checkbox"/> MUT 2351 - Introduction to Popular Music Arranging (3 credits) |
| <input type="checkbox"/> MUC 2617 - Songwriting 2 (3 credits) | <input type="checkbox"/> PUR 2003 - Public Relations (3 credits) |
| <input type="checkbox"/> MUH 2111 - Survey of Music History 1 (3 credits) | <input type="checkbox"/> RTV 1000 - Fundamentals of Broadcasting (3 credits) |
| <input type="checkbox"/> MUH 2112 - Survey of Music History 2 (3 credits) | <input type="checkbox"/> RTV 1210C - Radio Production (3 credits) |
| <input type="checkbox"/> MUL 2380 - Jazz and Popular Music in America (3 credits) | <input type="checkbox"/> RTV 1241C - TV Studio Production 1 (4 credits) |
| <input type="checkbox"/> MUM 2600 - Sound Recording 1 (3 credits) | <input type="checkbox"/> RTV 2249C - Radio Program Operations (3 credits) |
| <input type="checkbox"/> MUM 2600L - Sound Recording 1 Lab (1 credit) | <input type="checkbox"/> TAX 2010 - Business Taxes & Returns (3 credits) |
| <input type="checkbox"/> MUN* | <input type="checkbox"/> MVS* |
| <input type="checkbox"/> MVB* | <input type="checkbox"/> MVV* |
| <input type="checkbox"/> MVJ* | <input type="checkbox"/> MVW* |
| <input type="checkbox"/> MVK* | <input type="checkbox"/> MUM 2604 - Multi-Track Mixdown Techniques (1 credit) |
| <input type="checkbox"/> MVO* | <input type="checkbox"/> MUM 2605 - Multi-Track Production Techniques 1 (1 credit) |
| <input type="checkbox"/> MVP* | |

* End of Program Sheet *

Must take 14.0 credits from the following group.

- [MUC 2601](#)
- [MUM 2623C](#) - MIDI Electronic Music 1 (2-3 credits)
- MUN*
- MUN*
- [MUT 1111](#) - Theory (3 credits)

- [MUT 1112](#) - Theory (3 credits)
- [MUT 1241](#) - Sightsinging and Ear Training (1-2 credits)
- [MUT 1242](#) - Sightsinging and Ear Training (1-2 credits)
- [MVK 1111](#) - Class Piano 1 (1 credit)
- [MVK 1112](#) - Class Piano 2 (1 credit)

10. MAJOR COURSE ELECTIVE (4.00 credits)

- [BUL 2242](#) - Business Law 2 (3 credits)
- [CGS 1060](#) - Introduction to Microcomputer Usage (4 credits)
- [MAN 2021](#) - Principles of Management (3 credits)
- [MAN 2930](#) - Creative Leadership (3 credits)
- [MKA 1511](#) - Principles of Advertising and Cooperating (3 credits)
- [MKA 1021](#) - Fundamentals of Selling (3 credits)
- [MUC 2311](#) - Electronic Music 1 (3 credits)
- [MUC 2601](#)
- [MUC 2617](#) - Songwriting 2 (3 credits)
- [MUH 2111](#) - Survey of Music History 1 (3 credits)
- [MUH 2112](#) - Survey of Music History 2 (3 credits)
- [MUL 2380](#) - Jazz and Popular Music in America (3 credits)
- [MUM 2600](#) - Sound Recording 1 (3 credits)
- [MUM 2600L](#) - Sound Recording 1 Lab (1 credit)
- MUN*
- MVB*
- MVJ*
- MVK*
- MVO*
- MVP*

- [MUM 2601](#) - Sound Recording 2 (3 credits)
- [MUM 2601L](#) - Sound Recording 2 Lab (1 credit)
- [MUM 2623C](#) - MIDI Electronic Music 1 (2-3 credits)
- [MUM 2624C](#) - MIDI-Electronic Music 2 (2-3 credits)
- [MUM 2640L](#) - Multi-Track Mixdown Techniques (1 credit)
- [MUT 2641](#) - Jazz Improvisation 1 (3 credits)
- [MUT 2238](#) - Introduction to Jazz Keyboard Harmony (1 credit)
- [MUT 2351](#) - Introduction to Popular Music Arranging (3 credits)
- [PUR 2003](#) - Public Relations (3 credits)
- [RTV 1000](#) - Fundamentals of Broadcasting (3 credits)
- [RTV 1210C](#) - Radio Production (3 credits)
- [RTV 1241C](#) - TV Studio Production 1 (4 credits)
- [RTV 2249C](#) - Radio Program Operations (3 credits)
- [TAX 2010](#) - Business Taxes & Returns (3 credits)
- MVS*
- MVV*
- MVW*
- [MUM 2604](#) - Multi-Track Mixdown Techniques (1 credit)
- [MUM 2605](#) - Multi-Track Production Techniques 1 (1 credit)

* End of Program Sheet

3. School of Engineering and Technology

State Mandated

Effective Term: 2012-1 Fall Semester

Program Title Changes

Heating, Ventilation & Air Conditioning Apprenticeship (**Current Title**)

Air Conditioning, Refrigeration and Heating Technology (**New Title**)

CISCO Network Associate (**Current Title**)

CISCO Certified Network Associate (CCNA) (**New Title**)

Computer Programming (**Current Title**)

Computer Programmer (**New Title**)

Sheet Metal Apprenticeship (**Current Title**)

Sheet Metal Fabrication Technology (**New Title**)