Curriculum Development Form
Modify an Existing Program (Academic Award)

Program Name (Academic Award):

Information Systems - Diploma

CIP Code: 11.0103

Type of Academic Award: □ AA □ AAS □ AFA □ AS □ Diploma □ Certificate

Current Location: □ Faribault ☑ North Mankato

Proposed Location: □ Faribault ☑ North Mankato

Current Credits: 64

Proposed Credits: 60

Date of Proposal: 1/29/2015

Proposed Implementation Date: 8/24/2015

Contact Person: Linda Anderson

What is the modification being proposed?
Change total program credits, reorganize technical and elective course requirements, and update course name.

What impact will the modification have?
Streamline the course selection for students.

Describe the rationale for this modification:
Bring the diploma option in line with the AAS.

Attach additional material if necessary

As Faculty Developer, by signing this Modify an Existing Program form, the Curriculum Committee is assured of the following (check marks required):

Prior to Preparing Documentation
☑ Initiation — idea was submitted to Department Chair(s) and Academic Dean/Director for discussion and support
☑ Explored existing program offerings to identify potential duplication
☑ Completed Intention Form

Continue the Curriculum Development Process
☑ Completed the comparison template outlining old program plan vs. new program plan, noting changes between the old and new
☑ Completed the WIDS Program Project, which includes outlining scope and sequence of program
   Please Note: If courses do not already exist, the shell of each course must be created in WIDS before the WIDS Program Project can be completed
☑ Identified prerequisities (if any) for admission to the program
☑ Created measurable program student learning outcomes
☑ Proofread documentation for correct content
☑ Proofread documentation for grammatical and typographical errors
☑ Uploaded additional documentation to WIDS (comparison template, etc.)

Linda Anderson
Faculty Developer Signature 1/29/15 Date
As Primary Department Chair, by signing this *Modify an Existing Program* form, the Curriculum Committee is assured of the following (check marks required):
☐ Documentation through email and department meetings made available for other faculty and programs to provide feedback
☐ Proofread documentation for correct content and proper structure
☐ Proofread documentation for grammatical and typographical errors
☐ For LAS programs, signature of all LAS Department Chairs included
☐ For technical programs, the change was discussed at Advisory Committee meeting (provide meeting minutes)

☐ I support this program plan ☐ I do not support this program plan — please provide reason(s):


Primary Department Chair Signature Date

For all modified program, if Primary Department Chair does not support the modified program proposal, faculty developer can elevate the proposal to AASC for resolution.

For AA and AFA Degrees Only — As a LAS Department Chair, by signing this *Modify an Existing Program* form, the Curriculum Committee is assured of the following (check marks required):
☐ Documentation through email and department meetings made available for other faculty and programs to provide feedback

☐ I support this program plan ☐ I do not support this program plan — please provide reason(s):


LAS Department Chair Signature Date

☐ I support this program plan ☐ I do not support this program plan — please provide reason(s):


LAS Department Chair Signature Date

☐ I support this program plan ☐ I do not support this program plan — please provide reason(s):


LAS Department Chair Signature Date

If all four LAS Department Chairs do not support the modified program proposal, faculty developer can elevate the proposal to AASC for resolution.
As Academic Dean/Director, by signing this Modify an Existing Program form, the Curriculum Committee is assured of the following (check marks required):

☐ Identified potential opportunities and impacts of the change on other programs/departments — DARS search
☐ Provided supporting documentation to populate Program Navigator

☐ I support this program plan □ I do not support this program plan — please provide reason(s):

[Signature]
Academic Dean/Director Signature
Date

If Academic Dean/Director does not support the modified program proposal, faculty developer can elevate the proposal to AASC for resolution.

Upload this signed form as a PDF to WIDS Shared Document folder — Curriculum Committee. Place signed original forms in Curriculum Committee mailbox.

Following Curriculum Committee support, this form is completed with final signatures.

[Signature]
Curriculum Committee Chair Signature
Date

[Signature]
Vice President of Student and Academic Affairs Signature
Date

[Signature]
President Signature
Date

The following steps are possible post-approval steps

Modify an Existing Program
— Credit length change
Upload to MnSCU Program Navigator
  • Curriculum Committee Chair electronic approval
  • Vice President of Student and Academic Affairs electronic approval
  • President electronic approval
  • Vice President of Student and Academic Affairs electronic approval (2nd)
  • MnSCU reviews for final approval
  • MnSCU grants approval

Student Affairs
  • ISRS; DARS; eCatalog
Scope and Sequence for Perkins Programs of Study
Federal Dept. of Education review
Higher Learning Commissions (HLC) review

Modify an Existing Program
— No credit length change
Student Affairs (documentation posted on CC website)
  • ISRS; DARS; eCatalog
Scope and Sequence for Perkins Programs of Study
### Information Systems Diploma

#### 14-15 Program Plan

**64 Credits**

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP1120</td>
<td>Foundations of Computing</td>
<td>4</td>
</tr>
<tr>
<td>COMP1125</td>
<td>Spreadsheet/Database Integration</td>
<td>4</td>
</tr>
<tr>
<td>COMP1130</td>
<td>Programming Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>COMP1140</td>
<td>Web for Business</td>
<td>3</td>
</tr>
<tr>
<td>COMP1200</td>
<td>PC Hardware and Software Essentials</td>
<td>4</td>
</tr>
<tr>
<td>COMP1380</td>
<td>Introduction To Data Communication and Networking</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>Required Core Courses</strong></td>
<td><strong>23</strong></td>
</tr>
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</table>

Choose 20 credits from these Emphasis areas:

- **Web-Development**
  - COMP2145 Web Programming                         | 4       |
  - COMP2150 Web Services                            | 4       |
  - COMP2300 Visual Basic.Net                        | 4       |
- **PC-Software-Development**
  - COMP2330 Advanced Spreadsheets/Database & Programming | 4       |
  - COMP2300 Java                                    | 4       |
  - COMP2310 Visual Basic.Net                        | 4       |
- **Enterprise-Software-Development**
  - COMP2200 IBM i (iSeries) Operating System        | 4       |
  - COMP2205 RPG IV (Series)                         | 4       |
  - COMP2210 Cobol                                   | 4       |
| **Total**| **Technical Elective Credits**                    | **9**   |

**NOTE:** Required Capstone/Internship

| COMP2495 | Capstone - Software Development                   | 4       |
| **Total**| **Required General Education**                     | **7**   |

| ENGL100  | Composition (MNTC Area 1)                          | 4       |
| SPCH110  | Public Speaking (MNTC Area 1)                      | 3       |
| **Total**| **Program Total**                                  | **64**  |

#### 15-16 Program Plan

**60 Credits**

<table>
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<tr>
<td><strong>Total</strong></td>
<td><strong>Required Core Courses</strong></td>
<td><strong>23</strong></td>
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</tbody>
</table>

Complete the five courses listed below:

- COMP2145 Web Programming                          | 4       |
- COMP2150 Web Services                             | 4       |
- COMP2300 Java                                     | 4       |
- COMP2310 Visual Basic.Net                         | 4       |
- GCC1120 Graphic Software I                         | 4       |
| **Total**| **Technical Elective Credits**                    | **8**   |

**NOTE:** Required Capstone/Internship

| COMP2495 | Capstone - Software Development                   | 4       |
| **Total**| **Required General Education**                     | **7**   |

| ENGL100  | Composition (MNTC Area 1)                          | 4       |
| ENGL240  | Technical Communication (MNTC Area 1)              | 4       |
| **Total**| **Program Total**                                  | **60**  |

**NOTE:**

- COMP1110 OR COMP1120 OR COMP1140 Public Speaking (MNTC Area 1)
- COMP1110 OR COMP1120 OR COMP1140 Small Group Communication (MNTC Area 1)
- COMP1110 OR COMP1120 OR COMP1140 Interpersonal Communication (MNTC Area 1)

2/3/2015

14-15to15-16_AAS_Diplomas_CrossWalks_Rev012315_Info Sys - Diploma
South Central College
Program Design

DIP 3276 Information Systems Diploma

Program Information

Instructional Level
Technical Diploma

Career Cluster
Arts, Communications, & Information Systems

CIP Code
11.0103

Description
This program prepares the learner with the core skills necessary for a technical support position with a focus on networking services. Training is emphasized in the areas of installing, maintaining, and troubleshooting personal computers, computer networks, and peripheral devices utilizing current industry hardware and software products. Learners also receive an orientation on IBM mid-range and mainframe computer systems that are frequently integrated into corporate networks. Hands-on labs are included in the curriculum to give learners exposure to current and upcoming technology.

Program Admission Dates (Fall and/or Spring)
Fall and Spring

Program Location (Faribault and/or North Mankato)
North Mankato

Related Outcomes

Program Student Learning Outcomes
1 Design and code software applications using a variety of programming languages.
2 Utilize and maintain relational databases.
3 Use web application development tools.
4 Apply current web server technologies.

Program Configurations
Fall Starts
Type

Outcomes

Credits
Technical Course | 53.00  
Liberal Arts & Sciences | 7.00  

Total Credits | 60.00

### Semester 1

<table>
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<tr>
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<td>4.00</td>
<td>Technical Course</td>
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<td>COMP 1125</td>
<td>Spreadsheet/Database Integration</td>
<td>4.00</td>
<td>Technical Course</td>
</tr>
<tr>
<td>COMP 1200</td>
<td>Hardware and Software Essentials</td>
<td>4.00</td>
<td>Technical Course</td>
</tr>
<tr>
<td>COMM Choice</td>
<td>COMM110 or COMM120 or COMM140</td>
<td>3.00</td>
<td>Liberal Arts &amp; Sciences</td>
</tr>
</tbody>
</table>

### Semester 2

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
<th>Credits</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 1140</td>
<td>Web For Business</td>
<td>3.00</td>
<td>Technical Course</td>
</tr>
<tr>
<td>COMP 1130</td>
<td>Programming Fundamentals</td>
<td>4.00</td>
<td>Technical Course</td>
</tr>
<tr>
<td>COMP 1360</td>
<td>Introduction to Data Communications and Networking</td>
<td>4.00</td>
<td>Technical Course</td>
</tr>
<tr>
<td>ENGL Choice</td>
<td>ENGL100 or ENGL240</td>
<td>4.00</td>
<td>Liberal Arts &amp; Sciences</td>
</tr>
</tbody>
</table>

### Semester 3

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
<th>Credits</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 2145</td>
<td>Web Programming</td>
<td>4.00</td>
<td>Technical Course</td>
</tr>
<tr>
<td>COMP 2300</td>
<td>Java</td>
<td>4.00</td>
<td>Technical Course</td>
</tr>
<tr>
<td>GCC 1120</td>
<td>Graphic Software 1</td>
<td>4.00</td>
<td>Technical Course</td>
</tr>
<tr>
<td>COMP Choice</td>
<td>Select from the following electives: COMP2200, COMP2460, COMP2462</td>
<td>4.00</td>
<td>Technical Course</td>
</tr>
</tbody>
</table>

### Semester 4

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
<th>Credits</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 2150</td>
<td>Web Services</td>
<td>4.00</td>
<td>Technical Course</td>
</tr>
<tr>
<td>COMP 2310</td>
<td>Visual Basic.Net</td>
<td>4.00</td>
<td>Technical Course</td>
</tr>
<tr>
<td>COMP2496</td>
<td>Capstone - Software Development</td>
<td>2.00</td>
<td>Technical Course</td>
</tr>
<tr>
<td>COMP Choices</td>
<td>Select from the following electives: COMP2205, COMP2220, COMP2466, COMP2475</td>
<td>4.00</td>
<td>Technical Course</td>
</tr>
</tbody>
</table>

Program Course List