Curriculum Development Form
Modify an Existing Program (Academic Award)

Program Name (Academic Award):
Networking Services - AAS

CIP Code: 11.0901

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

Current Location: □ Faribault  ☑ North Mankato  Proposed Location: □ Faribault  ☑ North Mankato

Current Credits: 60  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?
Reorganize technical course requirements and update course names (COMP2460, COMP2462, COMP2466, COMP2475)

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

Describe the rationale for this modification:
Streamline the course selection for students.

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 prerequisites (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.)

[Signature]
Faculty Developer Signature

[Date]
1/29/15
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]  2/5/15
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]  3/20/15
Curriculum Committee Chair Signature  Date

[Signature]  3/2-15
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
## Networking Services
### Associate of Applied Science
#### 80 Credits

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>COMP1120</td>
<td>Foundations of Computing</td>
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<tr>
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<td>Spreadsheet/Database Integration</td>
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<td>COMP1200</td>
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<tr>
<td>COMP1360</td>
<td>Introduction To Data Communication and Networking</td>
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</tbody>
</table>

Select one of the two Certificate tracks below: 20

### Networking
- COMP2460 Linux 4
- COMP2462 Microsoft Network Administration 4
- COMP2468 Advanced Networking 4
- COMP2475 Information Warfare 4

### Elective - Choose one course
- COMP2456 Cloud Technologies and Services 4
- COMP2452 Information Storage and Mgmt 4
- COMP2453 Virtualization Technologies 4
- COMP2500 Emerging Technologies 4
- COMP2145 Web Programming 4
- COMP2150 Web Services 4
- COMP2300 Java 4
- COMP2310 Visual Basic.Net 4

**OR**

### Cloud Computing
- COMP2456 Cloud Technologies and Services 4
- COMP2452 Information Storage and Mgmt 4
- COMP2453 Virtualization Technologies 4

### Elective - Choose two courses
- COMP2460 Linux 4
- COMP2462 Microsoft Network Administration 4
- COMP2466 Advanced Networking 4
- COMP2475 Information Warfare 4
- COMP2500 Emerging Technologies 4
- COMP2145 Web Programming 4
- COMP2150 Web Services 4
- COMP2300 Java 4
- COMP2310 Visual Basic.Net 4

### Required Capstone/Internship
- COMP2498 Capstone - Networking Services 2

### REQUIRED GENERAL EDUCATION
- ENGL100 OR ENGL240 Composition (MNTC Area 1) 4
- COMM110 OR COMM120 OR COMM140 Public Speaking (MNTC Area 1) 3
- MATH115 OR MATH 120 Concepts in Mathematics (MNTC Area 4) 4
- Choose Additional Liberal Arts Credits from Areas other than Goal Areas 1 and 4 4

Program Total: 60

<table>
<thead>
<tr>
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</tr>
</tbody>
</table>

Select any 5 courses from the courses listed below: 20

- COMP2460 Linux Administration 4
- COMP2462 Microsoft Administration 4
- COMP2466 Routing & Switching 4
- COMP2475 Security Basics 4
- COMP2456 Cloud Technologies and Services 4
- COMP2452 Information Storage and Mgmt 4
- COMP2453 Virtualization Technologies 4
- COMP2500 Emerging Technologies 4
- COMP2145 Web Programming 4
- COMP2150 Web Services 4
- COMP2300 Java 4
- COMP2310 Visual Basic.Net 4

### REQUIRED GENERAL EDUCATION
- ENGL100 OR ENGL240 Composition (MNTC Area 1) 4
- COMM110 OR COMM120 OR COMM140 Public Speaking (MNTC Area 1) 3
- MATH115 OR MATH 120 Concepts in Mathematics (MNTC Area 4) 4
- Choose Additional Liberal Arts Credits from Areas other than Goal Areas 1 and 4 4

Program Total: 60

2/3/2015

14-15to15-16_AAS_Diplomas_CrossWalks_Rev012315_Netw Serv - AAS
South Central College
Program Design

AAS 3277 Networking Services AAS

Program Information

Instructional Level
Associate Degree

Career Cluster
Arts, Communications, & Information Systems

CIP Code
11.0901

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 administer computer networks.
2 Maintain and repair personal computer systems.
3 Support common business application software.
4 Support current computer operating systems.

Program Configurations

Fall Starts
Type

Outcomes

Credits
Technical Course 45.00  
Liberal Arts & Sciences 15.00  

Total Credits 60.00

### Semester 1

<table>
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<tr>
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<tbody>
<tr>
<td>COMP 1120</td>
<td>Foundations of Computing</td>
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<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>
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### Semester 2

<table>
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<th>Course #</th>
<th>Course Title</th>
<th>Credits</th>
<th>Function</th>
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</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>
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### Semester 3

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<th>Course #</th>
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<th>Function</th>
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<tbody>
<tr>
<td></td>
<td>Additional LAS Course not from McTC Goal Areas 1 or 4</td>
<td>4.00</td>
<td>Liberal Arts &amp; Sciences</td>
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<tr>
<td>COMP Choice</td>
<td>Select a course from the following: COMP2460, COMP2462, COMP2453, COMP2145, COMP2300</td>
<td>4.00</td>
<td>Technical Course</td>
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<tr>
<td>COMP Choice</td>
<td>Select a course from the following: COMP2460, COMP2462, COMP2453, COMP2145, COMP2300</td>
<td>4.00</td>
<td>Technical Course</td>
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<tr>
<td>COMP Choice</td>
<td>Select a course from the following: COMP2460, COMP2462, COMP2453, COMP2145, COMP2300</td>
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<td>Technical Course</td>
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### Semester 4

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<th>Function</th>
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<tbody>
<tr>
<td>COMP2498</td>
<td>Capstone - Networking Services</td>
<td>2.00</td>
<td>Technical Course</td>
</tr>
<tr>
<td>COMP Choice</td>
<td>Select a course from the following: COMP2466, COMP2475, COMP2456, COMP2452, COMP2500, COMP2150,</td>
<td>4.00</td>
<td>Technical Course</td>
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Wednesday, February 18, 2015 3:57 PM
<table>
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<tr>
<th>COMP2310</th>
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<tbody>
<tr>
<td>COMP Choice</td>
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<tr>
<td>Select a course from the following: COMP2466, COMP2475, COMP2456,</td>
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<tr>
<td>COMP2452, COMP2500, COMP2150, COMP2310</td>
</tr>
<tr>
<td>4.00 Technical Course</td>
</tr>
<tr>
<td>MATH Choice</td>
</tr>
<tr>
<td>MATH115 or MATH120</td>
</tr>
<tr>
<td>4.00 Liberal Arts &amp; Sciences</td>
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**Program Course List**

<table>
<thead>
<tr>
<th>Number</th>
<th>Title</th>
<th>Credits</th>
<th>Relationship</th>
<th>Description</th>
<th>Pre/Corequisites</th>
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<tbody>
<tr>
<td>COMM 110</td>
<td>Public Speaking</td>
<td>3.00</td>
<td>Associated</td>
<td>This course develops or improves effective performance in acquiring, evaluating, organizing, and communicating information. Learners develop and apply critical and creative thinking to structuring arguments, making presentations, using multimedia, and supporting each other in impromptu and extemporaneous speaking. Course de-emphasizes competition and stresses personal and workplace effectiveness in communication skills. (Prerequisites: Must have a score of 86 or higher on the Sentence Skills portion of the Accuplacer test or completion of ENGL 0090 with a grade of C or higher). (MNTC: Goal areas 1 and 3)</td>
<td>Score of 86 on the Sentence skills portion of Accuplacer or ENGL 0090 with a C or higher.</td>
</tr>
</tbody>
</table>