

- b. The Associate Degree requirements **must contain a minimum of sixty (60) credits.**
- c. The Associate Degree requirements should be possible to complete in two calendar years.

2. Certificate and Diploma Requirements:

- a. Certificate (*minimum 15 course specific credits*) and Diploma (*minimum 24 credits*) requirements should be possible to complete in one calendar year.
- b. Diploma **core to include one writing, one intermediate math, and one verbal communications course.**

RATIONALE FOR THE REVISION OF AN EXISTING CURRICULUM: (Please attach additional sheets for response, if needed).

1. Why is the revision needed?

This revision is needed to better prepare the students who are interested in industry standard certifications such as A+, MCSA, Network+, and CCNA. These certifications currently are required for any networking positions.

2. Does it replace, overlap, or duplicate any existing curriculum?

Yes X No How?

It revises the current CIS/Telecommunication Networking Track curriculum through introduction of new and revised networking courses.

3. Will this revision to the curriculum also involve

a. Revision of Existing Course? Yes X No

b. Introducing a New Course? Yes X No

If Yes, forms for those changes must also be submitted at this time.

c. Adding an existing course to the curriculum.

Yes Course Title _____
No X Course No. _____

4. When will curriculum changes go into effect?

Semester FALL Year 2005

5. Will the curriculum be offered*

day? evening? both? X

6. When can the student begin the curriculum in order to complete program requirements in accordance with degree, certificate, or diploma guidelines?

Check all that apply:

Fall X Spring Summer

***If** you checked evening or both for question 4, provide the proper sequence of course offerings for the evening students. (Limit the number of classes per

Networking Track
Curriculum Revision

semester to 2 or 3.)

Provide sequence of courses for current curriculum and revised curriculum.

CURRENT**FIRST SEMESTER**

CIST100 Intro. Info. Technology. 3
CIST160 Visual BASIC I 3
CISN105 PC Repair and Maintenance 3
CIST105 Microcom. Appl 3
WRIT101 English Composition I 3
 Social Science Elective 3
 Total 18

SECOND SEMESTER

CIST161 Visual BASIC II 3
CIST170 Internet 3
CISN175 Networking Essentials 3
 Math elective 3
WRIT103 Writing for Busi and Tech
 Or 3
WRIT102 English Composition II
 Total 15

THIRD SEMESTER

CISN202 Advanced Networking 3
CISN200 Windows 2000 3
 Social Science elective 3
 CIS/Telecom Elective 3
 General Education elective 3
CISN210 E-Commerce Applications
 Or 3
CIST106 Advance Microcomp Appl
 Total 18

FOURTH SEMESTER

CISN240 Routing and Switching 3

CISN210 Windows 2000 Server 3
CISN260 Internship
 or 3
CIST CIS/Telecom Elective
 Technology Elective 3
 General Education elective 3
 Total 15

Total Credits 66

FIFTH SEMESTER (If applicable)
 applicable)

REVISED**FIRST SEMESTER**

CIST100 Intro. Info. Technology. 3
CISN105 PC Hardware 3
CISN100 Introduction to Networking 5
CIST160 Visual BASIC I 3
WRIT101 English Composition I 3
 Total 17

SECOND SEMESTER

CISN110 Basic Network Routing 5
CISN200 Client Operating Systems 3
CIST161 Visual BASIC II 3
CIST170 Internet 3
CIST106 Software Application Tools
 or 3
CISN210 E-Commerce Applications
 Total 17

THIRD SEMESTER

CISN215 LAN Management/Switching 5
CISN205 Server Operating Systems 3
 **VISD115* Digital Imaging 3
WRIT103 Writing for Busi and Tech 3
 Social Science elective 3
 Total 17

FOURTH SEMESTER

CISN220 WAN Management/Intermediate
 Routing 5
CISN260 Internship
 or 3
CIST CIS/Telecom Elective
 Social Science elective 3
 General Education elective 3

Total 14

Total Credits 65

FIFTH SEMESTER (If

* New or revised courses offered through other departments.

Networking Track
 Curriculum Revision

SUMMARY OF CHANGES

Deleted Courses:

<u>CODE</u>	<u>Title</u>	<u>Credit</u>	<u>Semester</u>
<i>CIST105</i>	<i>Microcomputer Applications</i>	<i>3</i>	<i>1</i>
<i>CIST175</i>	<i>Networking Essentials</i>	<i>3</i>	<i>2</i>
	<i>Math elective</i>	<i>3</i>	<i>2</i>
<i>CIST202</i>	<i>Advanced Networking</i>	<i>3</i>	<i>3</i>
	<i>CIS/Telecom elective</i>	<i>3</i>	<i>3</i>
	<i>General education elective</i>	<i>3</i>	<i>3</i>
<i>CIST240</i>	<i>Switching and Routing</i>	<i>3</i>	<i>4</i>
	<i>Technology elective</i>	<i>3</i>	<i>4</i>

New Courses/Added Courses:

<u>CODE</u>	<u>Title</u>	<u>Credit</u>	<u>Semester</u>
<i>CISN100</i>	<i>Introduction to Networking</i>	<i>5</i>	<i>1</i>
<i>CISN110</i>	<i>Basic Network Routing</i>	<i>5</i>	<i>2</i>
<i>CISN215</i>	<i>LAN Management/Switching</i>	<i>5</i>	<i>3</i>
<i>*VISD115</i>	<i>Digital Imaging</i>	<i>3</i>	<i>3</i>
<i>CISN220</i>	<i>WAN Management/Intermediate Routing</i>	<i>5</i>	<i>4</i>

Moved Courses:

<u>CODE</u>	<u>Title</u>	<u>Credit</u>	<u>From Semester</u>	<u>To Semester</u>
	<i>Social Science elective</i>	<i>3</i>	<i>1</i>	<i>4</i>
<i>WRIT103</i>	<i>Writing for Busi and Tech</i>	<i>3</i>	<i>2</i>	<i>3</i>
<i>CIST106</i>	<i>Microcomp Appl</i>			
	<i>Or</i>	<i>3</i>	<i>3</i>	<i>2</i>
<i>CISN210</i>	<i>E-Commerce Applications</i>			

Revised Courses:

<u>CODE</u>	<u>Old Title</u>	<u>New Title</u>	<u>Credit</u>	<u>Semester</u>
<i>CISN105</i>	<i>PC Repair and Main.</i>	<i>PC Hardware</i>	<i>3</i>	<i>1</i>
<i>CIST106</i>	<i>Adv. Microcomp Appl.</i>	<i>Software Application Tools</i>	<i>3</i>	<i>2</i>
<i>CISN200</i>	<i>Windows 2000</i>	<i>Client Operating Systems</i>	<i>3</i>	<i>2</i>
<i>CISN205</i>	<i>Windows 2000 Server</i>	<i>Server Operation Systems</i>	<i>3</i>	<i>3</i>
<i>CISN210</i>	<i>E-Commerce Appl.</i>	<i>(Only pre-requisite change)</i>	<i>3</i>	<i>2</i>

* New or revised courses offered through other departments.

Evening Students:

Fall I

<u>CIST100</u> Introduction to Information Technology	3	
CISN105 PC Hardware	3	
CISN175 Introduction to Networking	5	

Total 11

Spring I

CISN 110 Basic Routing	5	
CISN200 Client Operating Systems	3	

Total 8

Fall II

CISN 215 LAN Management/Switching		5
CISN205 Server Operating Systems	3	

Total 8

Spring II

CIST170 Internet	3	
CISN 220 WAN Management/Intermediate Routing		5

Total 8

Fall III

CIST160 Visual BASIC I	3	
WRIT101 English Composition I	3	

Total 6

Spring III

CIST161 Visual BASIC II	3	
CIST106 Software Application Tools		
Or	3	
CISN210 E-Commerce Applications		

Total 6

Fall IV

WRIT103 Writing for Business and Technology	3	
*VISD115 Digital Imaging	3	
Social Science elective	3	

Total 9

Spring IV

CISN260 Internship		
or	3	
CIST CIS/Telecom Elective		
General Education elective	3	
Social Science elective	3	

Total 9

* New or revised courses offered through other departments.

ADVISORY BOARD

Comments from Advisory Board Members/local employees concerning proposal revisions. .

NAME	TITLE/AFFILIATION	COMMENT
<u>Susan Crawford</u>	Network Administrator Alpern Corp.	Industry standard trainings are very Important.
<u>Scott Trees</u>	Chief Information Officer Michael Baker Corp.	Industry standard certification are essential for any position in an IT department
<u>Sue Ellen Avolio</u>	Director IT CCBC	Well balanced curriculum with well needed Industry standard training.
<u>Drew Campbell</u>	IT Manger CCBC	This will be a very thorough and essential Networking degree in the County

TRANSFERABILITY & ARTICULATION

- Are credits from this revised curriculum to be transferable to another institution?
Yes _____ No X
- If Yes, what evidence is there that these credits will transfer?
Cite specific institutions and curriculum examined.
- Does new curriculum affect any current advanced standing agreements with the AVTS (Area Vocational Technical School)?
Yes X No _____
If Yes, how?

The new course will not be included in the agreement.

Networking Track
Curriculum Revision

STUDENT SERVICES

1. Has the Director of Admissions and Admission's staff been advised of this revised curriculum?

Yes **X** No _____

If No, explain why.

2. Has the divisional counselor been advised? Yes **X** No _____

If No, explain why.

FACULTY REQUIREMENTS

1. Can the new curriculum be taught by present full-time faculty?

Yes _____ No **X**

2. Will the faculty require additional education?

Yes **X** No _____

3. Will part-time faculty be required? Yes **X** No _____

FACILITIES

1. What facilities would the new curriculum require?

Check all that apply: Classrooms **X** Labs _____ Other _____

2. Does the college presently have these required facilities?

Yes **X** No _____ **If Yes, proceed to equipment.**

If No, attach Facilities Committee reply to request.

EQUIPMENT

1. Is new equipment required for the revised curriculum?

Yes _____ No **X**

If Yes, how will it be obtained?

2. Has the college grants person been consulted?

Yes **X** No _____

If No, why not?

LIBRARY

1. Does the library have the resources to support the revised curriculum?

Yes. Access to the Internet.

2. What steps to request the needed resources have been taken?

N/A.

PLACEMENT

How will the curriculum affect the placement of students?

It will increase the placement of students because the curriculum is designed to assist students in preparation for industry standard certifications that are required for any computer networking jobs.

*** COMMUNITY COLLEGE OF BEAVER COUNTY ***

SIGNATURE SHEET

A department meeting and/or meeting of faculty in a particular discipline must be held prior to the submission of a proposal to the Curriculum Committee. A joint meeting is mandatory if the course crosses department or divisional lines. (See Curriculum Committee By-laws Procedure for clarification.)

1. Was a meeting in the discipline held to discuss the proposal(s) with all faculty members? Yes **X** No Date(s) **Sept 10, 04**

2. Did you discuss the proposal(s) with your Divisional Director?
Yes **X** No

Your Divisional Director's Signature:

_____ Date _____

Approval Disapproval*

3. Did 2/3 of all the faculty in the discipline agree to the proposal(s)?

Yes **X** No

Signature of all the faculty in the discipline required

	Approval	Disapproval*	Date
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

4. Did you discuss the proposal(s) with any other Directors who will be affected by the proposal(s)?

Yes **X** No NA

Other Divisional Director's Signature(s):

_____ Date _____

Approval Disapproval*

_____ Date _____

Approval Disapproval*

5. Did you discuss the proposal(s) with all other faculty members outside your division or discipline who may be affected by the proposal(s)?

Yes **X** No NA

Signature of other Faculty	Approval	Disapproval*	Date
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

*Persons disapproving the proposal(s) should submit their reasons for disapproval on a separate sheet attached to the signature sheet, within five (5) working days of the disapproval to the Proposer.

THE COMMITTEE WILL NOT CONSIDER ANY DISAPPROVAL RECEIVED AFTER THE TIME LIMIT.