

INTRODUCING A NEW CURRICULUM

COMMUNITY COLLEGE OF BEAVER COUNTY

All items must be completed and typewritten.

Your Name: Heidie G. McCauley Date: November 26, 00

Division under which Curriculum is to be administered:

Technology

TITLE OF NEW CURRICULUM: CIS/Telecommunications,
Web Master Track

PROPOSED CATALOG DESCRIPTION:

Today, the Internet has become one of the major communications systems all over the world. The Web Master curriculum provides the students with the Web Development and Web programming skills necessary to assist both the for-profit and the non-profit entities to become part of the Internet. This curriculum also provides the students with the necessary preparation for Industry standard certification examinations.

CHECK APPROPRIATE ACHIEVEMENT LEVELS:

<u>X</u>	ASSOCIATE IN APPLIED SCIENCE	<i>minimum 60 credits</i>
_____	ASSOCIATE IN APPLIED ARTS	<i>minimum 60 credits</i>
_____	ASSOCIATE IN GENERAL STUDIES	<i>minimum 60 credits</i>
_____	CERTIFICATE	<i>minimum 15 credits (offerings course specific)</i>
_____	DIPLOMA	<i>minimum 24 credits</i>

Requirements

1. Associate Degree Requirements:
 - a. An Associate Degree must contain the General Education core mandated under Academic Policies in the College Catalog for the Associate Degree sought.
 - b. The Associate Degree requirements must contain at least sixty (60) credits.
 - c. The Associate Degree requirements should be possible to complete in two calendar years.

2. Certificate and Diploma Requirements:
- Certificate and Diploma requirements should be possible to complete in one calendar year.
 - Diploma **core to include one writing, one intermediate math, and one verbal communications course.**

RATIONALE FOR THE INTRODUCTION OF A NEW CURRICULUM: (Please attach additional sheets for response, if needed).

1. Why is the new curriculum needed?

This curriculum is needed to provide the students with the skills necessary for Web Development and Web Programming job markets that have been growing due to utilization of Internet by business and Organization regardless of their size

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

Yes _____ No X How?

3. When will the new curriculum go into effect?

Semester FALL Year 2001

4. Will the curriculum be offered*

day _____ evening _____ both X

5. 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 semester to 2 or 3.)**

Provide sequence of courses in new curriculum using the format provided.

COURSE NO. (if known)	COURSE NAME	NO. CREDITS
FIRST SEMESTER		
<i>BD 150</i>	<i>Introduction to Computers</i>	<i>3</i>
<i>BD 241</i>	<i>Microcomputer Applications</i>	<i>3</i>
<i>BD 160</i>	<i>Visual BASIC I</i>	<i>3</i>
<i>BD</i>	<i>Principles of Web Programming</i>	<i>3</i>
<i>TC 174</i>	<i>Computer Graphics</i>	<i>3</i>
<i>HE 155</i>	<i>English Composition I</i>	<i>3</i>

		<i>18</i>
SECOND SEMESTER		
<i>BD 165</i>	<i>Visual BASIC II</i>	<i>3</i>
<i>BD 170</i>	<i>Internet</i>	<i>3</i>
<i>BD</i>	<i>Java Script</i>	<i>3</i>
<i>TC</i>	<i>Publishing on the Web</i>	<i>3</i>
<i>HE 150</i>	<i>Writing for Business and Technology</i>	<i>3</i>
	<i>or</i>	<i>3</i>
<i>HE 156</i>	<i>English Composition II</i>	<i>3</i>
	<i>Math Elective</i>	<i>3</i>

		<i>18</i>
THIRD SEMESTER		
<i>BD</i>	<i>Active Server Pages</i>	<i>3</i>
<i>BD</i>	<i>Java I</i>	<i>3</i>
<i>BD</i>	<i>E-Commerce Applications</i>	<i>3</i>
	<i>or</i>	<i>3</i>
<i>BD</i>	<i>Advanced Microcomputer Applications</i>	<i>3</i>
	<i>Business elective</i>	<i>3</i>
	<i>Social Science elective</i>	<i>3</i>

		<i>15</i>
FOURTH SEMESTER		
<i>BD</i>	<i>Databases Driven Web Sites</i>	<i>3</i>
<i>BD</i>	<i>Java II</i>	<i>3</i>
<i>BD</i>	<i>Internship</i>	<i>3</i>
	<i>or</i>	<i>3</i>
	<i>CIS/Telecom elective</i>	<i>3</i>
	<i>Social Science elective</i>	<i>3</i>
	<i>General Education elective</i>	<i>3</i>

		<i>15</i>

EVENING STUDENTS:

Fall I		
BD 150	<i>Introduction to Computers</i>	3
BD 241	<i>Microcomputer Applications</i>	3
BD 160	<i>Visual BASIC I</i>	3
Spring I		
BD 165	<i>Visual BASIC II</i>	3
BD 170	<i>Internet</i>	3
	<i>Math Elective</i>	3
Fall II		
BD	<i>Principles of Web Programming</i>	3
TC 174	<i>Computer Graphics</i>	3
HE 155	<i>English Composition I</i>	3
Spring II		
BD	<i>JavaScript</i>	3
HE 150	<i>Writing for Business and Technology</i>	3
	<i>or</i>	3
HE 156	<i>English Composition II</i>	3
	<i>Social Science elective</i>	3
Fall III		
BD	<i>Java I</i>	3
BD	<i>Active Server Pages</i>	3
BD	<i>E-Commerce Applications</i>	3
	<i>or</i>	3
BD	<i>Advanced Microcomputer Applications</i>	3
Spring III		
BD	<i>Databases Driven Web Sites</i>	3
BD	<i>Java II</i>	3
BD	<i>Internship</i>	3
	<i>or</i>	3
	<i>CIS/Telecom elective</i>	3
Fall IV		
TC	<i>Publishing on the Web</i>	3
	<i>Business elective</i>	3
Spring IV		
	<i>Social Science elective</i>	3
	<i>General Education elective</i>	3

RESEARCH -- Provide copy of survey instrument and survey data summary.

How many graduates with the proposed education will be needed over the next five years by

1. Local businesses? *See Supporting Documents, Section 7.*
2. Tri-State area businesses? *See supporting Document, Section 7.*
3. National businesses? *See Supporting Documents, Section 7.*
4. International businesses? *See Supporting Document, Section 7.*

Number of transaction over the Web within the last three has been growing exponentially. This E-commerce market growth is predicted to continue for years yet to come. Thus it is necessary to provide our students with Web Development and web programming skills in order to prepare the for the newly developed job market.

ENROLLMENT PROJECTIONS FOR NEXT FIVE YEARS

1. What are the enrollment projections?

At the minimum, it should double the enrollment since the employers currently are seeking to hire people who have Web Development and Programming skills

2. Will this be a limited enrollment program? Yes _____ No **X**

Space limitations **No**

ADVISORY BOARD

1. What steps are being taken to establish an Advisory Board?

On December 7, 00 CIS/Telecommunications department held an Ice Breaker. Local businesses and students were invited. At this Ice Breaker the department faculty invited the local and Pittsburgh employers to become a members of CIS/Telecommunications Advisory Board.

Please see Section 8 of the Supporting Documents for a list of employers who were invited.

2. List all persons on the Advisory Board if one has been formed.

<u>NAME</u>	<u>TITLE/AFFILIATION</u>	<u>COMMENT</u>
<u>Ms Susan Crawford</u>	<u>Network Administrator Alpern Co.</u>	<u>Excellent Curriculum. This is exactly what my People and my department Does.</u>
<u>Mr Scott Trees</u>	<u>Telecom. Analyst Micheal Baker Corp.</u>	<u>Excellent Curriculum. I There are a lot of job opportunity for Web programmers.!</u>
<u>Mr. Eric Mack Mr. Don Underwood</u>	<u>System Engineer Network Administrator JH. & Data Technical</u>	<u>Excellent Curriculum. I would be interested teaching some these courses!</u>
<u>Ms Tami Radomski</u>	<u>Network Administrator The Quad Center</u>	<u>Excellent Curriculum. I I will be interested in Working with your Interns.</u>
<u>Mr. Dwayne Waite</u>	<u>Computer Operations Manger.</u>	<u>Excellent Curriculum. I will be interested in working with your Interns.</u>

TRANSFERABILITY & ARTICULATION

1. Are credits from this new curriculum to be transferable to another institution? Yes **X** No _____

2. If Yes, what evidence is there that these credits will transfer?

***Examination of Catalogs on the Web.
See Sections 1 and 2 of the Supporting Documents***

Cite specific institutions and curriculum examined.

***Robert Morris College
Penn State
See Sections 1 and 2 of the Supporting Documents***

3. Does new curriculum affect any current advanced standing agreements with the AVTS (Area Vocational Technical School)?

Yes _____ No **X**

If Yes, how?

STUDENT SERVICES

1. Has the Director of Admissions and Admission's staff been advised of this new 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 **X** No
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 **X** 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 curriculum?
Yes No **X**
If Yes, how will it be obtained? The Necessary
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 new curriculum?
Yes
2. What steps to request the needed resources have been taken?
***Having Access to the Internet at CCBC's Library
Is considered as a major resource for a degree
of this nature.***

REMINDER:

The Introducing a New Course packet (including syllabus) must be attached when submitting this packet.

*** 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) **Nov., 16, 00**

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.