Degrees and Certificates Agenda
October 11, 2006
Sylvania Campus, 2pm
CC, Conference Room B

Introductions 2:00 - 2:15

New Items:

2:15 – 2:30
AAS: Electronic Engineering Technology: Biomedical Engineering Technology Option (BMET) – 108 credits

2:30 – 2:45
AAS: Web Site Development and Design - 93-95

2:45 Accreditation

- DAC Outcomes
- Related Instruction

PORTLAND COMMUNITY COLLEGE

New Associate of Applied Science (AAS) Degree or Certificate Request Form

Proposed Degree/Certificate Title: Biomedical Engineering Technology

Reason for New Degree/Certificate: Biomedical Engineering Technology is an option to the existing
EET degree. The following are some of the reasons for the new option: - offers flexibility to the existing EET degree - easy to implement since most of the courses are shared with the EET degree. The option also includes two new courses and three others that are already offered by PCC. There is no conflict with the classes that belong to the Biology, Computer, and Medical Profession departments. - to assist with the predicted workforce difficulties due to Baby Boomers generation retirement. - this is the only degree of its kind in the State of Oregon. Oregon State is highly supportive to the arrival of biotechnology companies in our state. - Low competition and great support from hospitals with internships for our students. - better assist our community - jobs will remain local - this will offer some compensation for the loss of jobs due to globalization process.

Requested Implementation Term: winter 2007

Has Degree/Certificate been validated by the Advisory Committee?
☒ Yes ☐ No If No, explain

Proposed Degree/Certificate addresses the following Core PCC Outcomes:
(*check all that apply*)
☐ Communication
☐ Community and Environmental Responsibility
☐ Critical Thinking and Problem Solving
☐ Cultural Awareness
☒ Professional Competence
☐ Self-Reflection

List Degree/Certificate Outcomes:

Sample Outcomes
• Demonstrate an ability to analyze one's own subjective experience, interpersonal relationships, and the social-cultural context. • Upload, test and deploy web pages containing JavaScript

New Degree/Certificate Outcomes
• Upon successful completion of the BMET option the students can • work as an entry level biomedical equipment technicians and they • should be able to: adapt, operate and maintain medical, • laboratory, and radiologic equipment. • Perform safety inspections • Troubleshoot and make repairs when necessary. • Supervise, evaluate, calibrate and maintain biomedical • equipment.

List Degree/Certificate Coursework:

Course Number	Course Title	Credit
CAS 110	Intro to Web Graphic-Fireworks	1
CAS 175	Introduction to Flash	3
Total Credits		4

Course Number	Course Title	Credit
EET 111	Electric Circuit Analysis I	5
EET121	Digital Systems I	3
MTH111C	College Algebra	5
WR121	English Composition	4
EET112	Electric Circuit Analysis II	5
EET122	Digital Systems II	3
MTH112	Elementary Functions	5
EET 188	Industrial Safety 1	1
BI 121	Intro to Human Anat/Phys I	4
EET113	Electric Circuit Analysis III	5
EET123	Digital Systems III	5
EET178	PC Architecture for Techs	4
CS 133U	Introduction to C	4
EET221	Semiconductor Devices	5
EET241	Microcomputer Systems	4
CIS 179	Data Comm Concepts I	4
EET222	Op - Amp Circuits	5
EET242	Microcontroller Systems	4
EET 280B	CE: Biomedical Equipment - Seminar	4
EET223	RF Communications Circuits	5
EET255	Industrial Control Systems	4
EET 254	Seminar	1
EET280C	CE:BMET Practicum	4-11
	Social Electives	3
	Arts and Humanities (PHL 205-Biomedical Ethics recommended	4
	The BMET option has a prerequisite: MP 111-Medical Terminology (4cr)	
Total Credits		107

For <u>New Certificate's of 45 credits or more</u>: Fill out Template for Related Instruction (http://www.pcc.edu/resources/academic/eac/degree/forms.html).

Impact on Other Areas of Instruction:

Have you talked to other area SACs?

☐ No ☒ Yes If Yes, explain how

I presented the BMET curriculum to the SACs/chairs of the Biology, Computer, Medical Profession, EET, Biotechnology departments. There were no objections.

Contact Information:

Submitted by: Sanda Nedelcu

Contact e-mail: sanda.nedelcu@pcc.edu

Electronic Engineering Technology: Biomedical Engineering Technology Option (BMET)

(107 credits)

Prerequisite for the Program:

MP 111	Medical Terminology	4

FIRST TERM

EET111	Electric Circuit Analysis I	5
EET121	Digital Systems I	3
MTH111C	College Algebra	5
WR121	English Composition	4

SECOND TERM

EET112	Electric Circuit Analysis II	5
EET122	Digital Systems II	3
MTH112	Elementary Functions	5
EET 188	Industrial Safety	1
BI 121	Intro to Human Anat/Phys I	4

THIRD TERM

EET113	Electric Circuit Analysis III	5
EET123	Digital Systems III	5
EET178	PC Architecture for Techs	4
CS 133U	Introduction to C	4

FOURTH TERM

EET221	Semiconductor Devices	5
EET241	Microcomputer Systems	4
CIS 179	Data Comm Concepts I	4
Social Electives		3

FIFTH TERM

EET222	Op - Amp Circuits	5
EET242	Microcontroller Systems	4
EET 280B	CE: Biomedical Equipment - Seminar	4
Arts and Humanities		4

(Recommended PHL 205-Biomedical Ethics)

SIXTH TERM

EET223	RF Communications Circuits	5
EET255	Industrial Control Systems	4
EET 254	Seminar	1
EET280C	CE:BMET Practicum	4-11

SEVENTH TERM

EET280C	CE:BMET Practicum	4-11

PORTLAND COMMUNITY COLLEGE

New Associate of Applied Science (AAS) Degree or Certificate Request Form

Proposed Degree/Certificate Title: AAS: Web Site Development and Design

Reason for New Degree/Certificate: Students taking the existing one-year Web Site Development Certificate do not have the skills to enter higher-paying jobs, and we have a lot of requests to provide deeper-level training. Our industry Web Site Advisory Committee has also recommended a more in-depth degree. Job prospects in this field look good for the next several years. Other colleges in the region are creating 2-year web degrees and we would like to offer this option to our students.

Requested Implementation Term: Fall 2007-2008

Has Degree/Certificate been validated by the Advisory Committee?
X Yes No If No, explain

Proposed Degree/Certificate addresses the following Core PCC Outcomes:
(*check all that apply*)
X Communication
X Community and Environmental Responsibility
X Critical Thinking and Problem Solving
X Cultural Awareness
X Professional Competence
X Self-Reflection

List Degree/Certificate Outcomes:

Sample Outcomes
• Demonstrate an ability to analyze one's own subjective experience, interpersonal relationships, and the social-cultural context. • Upload, test and deploy web pages containing JavaScript

New Degree/Certificate Outcomes
• Communicate effectively about web-related topics • Develop web pages and web sites that meet industry standards • Demonstrate basic competence in web design • Demonstrate advanced expertise in either web programming or web design • Design and complete a web-related project

List Degree/Certificate Coursework:

Course Number	Course Title	Credit
Please see attached or if missing, go to: http://oak.pcc.edu/webdegree/web-degree-6-2-06.htm		
Total Credits		93-95

For New Certificate's of 45 credits or more: Fill out Template for Related Instruction (http://www.pcc.edu/resources/academic/eac/degree/forms.html).

Impact on Other Areas of Instruction:

Have you talked to other area SACs?

No X Yes If Yes, explain how Met with CIS SAC in person, discussed it, and they voted to approve. Multimedia came to our CAS/OS SAC meeting September 20 to discuss it after initial objections to the degree. Two days after the meeting Kate Dins (Dean for Multimedia) sent an e-mail saying that she and Beth Fitzgerald (the main faculty member in Multimedia) were withdrawing their objections. I will bring a copy of that email to the D and C meeting in case there are any questions about that.

Contact Information:

Submitted by: Ron Bekey
Contact e-mail: rbekey@pcc.edu

Tentative 2-Year Web Degree 6/2/06 Title: AAS: Web Site Development and Design

Please note: This is a DRAFT only. We are still accepting feedback and may make changes in what is presented here before it is submitted to the state.

93 credit hours minimum. Students must meet college graduation requirements including General Education, math and English competencies. This includes Math 65 (not required if students have passed the math competency exam). All CAS/OS courses/programs of study require placement in WR 115 & MTH 20 and keyboarding by touch or CAS 121.

Students must take all courses listed under "Gen Ed" and "All Students". Students will choose either the "Development Option" or the "Design Option". Students must take all courses listed under "Required" for the chosen option. They may choose at least 2 courses from the Electives section in the same option or any course in the other option to make up the rest of the 94 credits.

Gen Ed	All Students	Development Option	Design Option
(16 credits)	(43-45 credits)	(34 credits minimum)	(34 credits minimum)
CIS 120 (4)	CAS 111D Dreamweaver I (3)	**Required – Development (28 credits)**	**Required – Design (27 credits)**
CIS 121 (4)	CAS 112D Dreamweaver II (3)	CAS 213 JavaScript (4) **or** CIS 233S (4)	CAS 175 Flash (3)
8 credits any other Gen Ed acceptable by the College	CAS 206 XHTML (4)	CAS 214 ColdFusion (4) **or** CIS 234S ASP.NET (4) **or** CIS 195P PHP (4)*	ART 115 Basic Design I (3)
	CIS 178 Applied Internet Concepts (4)	CIS 122 SW Design (4)	ART 116 Basic Design II (3)
	MM 120 MM Design (2)	CIS 133B VB.NET (4) **or** CIS 133J Java (4)	MM 130 MM Graphic Video Audio (3)
	CAS 208 PhotoShop (3)	CIS 125D Database (4)	MM 140 MM Auth (3)
	BA 207 E-Comm (4) **or** CIS 243 E-Com (4)	CIS 287I Web Server Admin (4)	MM 160 Marketing Yourself as a MM Professional (2)
	BA 223 Marketing (3)	CIS 179 Data Comm (4)	MM 220 MM Des II (3)
	BA 205 Solving Comm Probs with Tech (4) **or** MM 270 Writ for MM (3) **or** WR 227 Tech Writing (3)	**Electives – Development**	MM 230 Graphics MM (4)
	BA 101 Intro Business (4)	CIS 275 Data Model (4)	MM 231 Vector Graphics and Animation for WWW (3)
	CAS 280W Co-Op	CIS 276 Adv SQL (4)	**Electives - Design**

	(4)		
	MSD 279 Proj Mgt (3)	CIS 233B VB.NET II (4) **or** CIS 233J Java II (4)	ART 140 Digital Photography (3)
	WR 121 (3-4)	CIS 234B VB.NET III (4) **or** CIS 234J Java III (4)	ART 197 Artists Skills/ Practical Issues (3)
			MM 235 Dig Video (3)
			MM 236 Internet Delivery of Digital Video and Audio (3)
*PHP class development in process. This class will be removed (and added back later) if it is not approved in time for the degree submission process.			MM 245 Internet Delivery Methods (3)