

Degrees and Certificates Committee Agenda

2pm-4pm Conference Room A

May 6, 2009

2:00 Review and Approve April Minutes.

2:15 Art Schneider to discuss Health Informatics

New Business:

2:30 Revision: INSP Building Inspection Technology AAS: Debra Anderson

Revision: INSP Residential Structural and Mechanical Inspection and Plans Examination Certificate:
Debra Anderson

Revision: INSP Commercial Structural and Mechanical Inspection Certificate: Debra Anderson

2:45 Revision: DST: Dealer Service Technology AAS: Ish Rivas

3:00 Revision: Electronic Engineering Technology AAS: John Mckee

Revision: EET Wireless and Data Communication AAS: John Mckee

Revision: EET Biomedical AAS: John Mckee

Revision: EET Renewable Energy AAS: John Mckee

Revision: EET Renewable Energy Certificate: John Mckee

Revision: Electronic Engineering Technology Certificate: John Mckee

Curriculum Report: Steve Smith

Registrar's Report: Rebecca Mathern

May 2009 Consent Agenda

General Education in AAS degrees:

1. A minimum of 16 credits of general education is required with a minimum of one general education course in each of the discipline studies/general education areas.
2. **Two courses** from the degree requirements may apply to the general education requirement. This is for the benefit of students in CTE programs requiring 5 credit math classes. In such cases, students may potentially have either 17 or 18 credits of general education.

AAS Agricultural Mechanics – Will be suspended beginning in September 2009 due to enrollment.

For the '09-'10 Catalog:

Title Change: INSP 154 Introduction to Residential Inspection to INSP 154 Residential Inspection Basics

AAS in Dental Hygiene clarification: Only 91 credits. 4 credits of electives were accidentally included in credit total.

AAS Dental Laboratory Technology- Correct total for the degree is 95 credits. However, we needed to change 4 credits from Gen Ed electives to regular electives.

Old Business:

Emergency Medical Technician Certificate: Related Instruction

Automotive: Related Instruction

EET: Renewable Energy Systems: Approved RES Electives for the '09-'10 catalog to include:

1. MT 101, 102, 104
2. RET 122 Wind Mechanics I

Automotive Services Technology: Inactivation of AM 124 and AM 125

PORTLAND COMMUNITY COLLEGE

Associate of Applied Science/Certificate Revision Request Form

Current Degree/Certificate Title: Associate of Applied Science in Building Inspection Technology

Proposed Degree/Certificate Title:

Reason for Revision:

Add prerequisite, add courses to INSP/ARCH electives list and a course name change

1) Old Prerequisites: RD 115, WR 115 and Math 20

New Prerequisites: INSP 100, WR 115 and Math 20

2) Add INSP 217 and INSP 218 to the INSP/ARCH Electives list

3) Title Change INSP 154. Was: Introduction to Residential Inspection. Is: Residential Inspection Basics

Request Implementation Term: Winter 2010

List Current Degree/Certificate Prerequisites:

Sample

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

Current

Course Number	Course Title	Credit
RD 115	College Reading	4
WR 115	Introduction to Expository Writing	4
MTH 20	Basic Math	4

Does Revision involve changing Degree/Certificate Prerequisites?

☐ No ☒ Yes

If Yes, please list proposed prerequisites:

Proposed

Course Number	Course Title	Credit
INSP 100	Introduction to Building Inspection Technology	1
WR 115	Introduction to Expository Writing	4
MTH 20	Basic Math	4

Does Revision impact PCC Core Outcomes which Degree and/or Certificates support?

☒ No ☐ Yes

If Yes, explain:

List Current Degree/Certificate Outcomes: (REQUIRED whether or not Outcomes are changing)

Sample

Current Degree/Certificate Outcome
<ul style="list-style-type: none"> Develop JavaScript extensions to web pages Upload, test and deploy web pages containing JavaScript

Current Degree/Certificate Outcome
<ul style="list-style-type: none"> Complete a successful internship with a local inspections jurisdiction. Complete with a passing grade the appropriate national and/or state licensing exam(s). Understand professional and ethical responsibilities. Function and communicate effectively one-on-one and within team of group settings. Use appropriate techniques, skills and tools as needed in a work environment. Interpret and apply architectural and engineering drawings in performance of building inspections. Apply knowledge of construction and structures in the performance of building inspections. Obtain employment in the Building Inspections field. Complete successfully, education and practices to maintain inspection licenses. Participate in life-long learning.

Does Revision involve changing Degree/Certificate Outcomes?

☒ No ☐ Yes

If Yes, list proposed outcomes:

Proposed Degree/Certificate Outcome
•

For Certificates, does Revision involve changing Related Instruction?

☒ No ☐ Yes

If Yes, Fill out Template for Related Instruction

(<http://www.pcc.edu/resources/academic/eac/degree/forms.html>).

All candidates for the Associate of Applied Science degree must complete 16 credits of General Education, 8 of which can be specified by the department issuing the degree. The 16 credits must include at least 1 course, with no more than 8 credits from the following three categories:

1. Arts and Humanities
2. Mathematics, Natural and Physical sciences, Social Science
3. Social Science

Does Revision involve changing coursework requirements?

☐ No ☒ Yes

If Yes, please list **ALL** current and proposed coursework:

Sample

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

Current

Course Number	Course Title	Credit
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	see attached	
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Proposed

Course Number	Course Title	Credit
	see attached	

Total Number of Credits in Degree/Certificate:

Current Credits: 95

Proposed Credits: 95

Contact Information:

Submitted by: Debra Anderson

Contact e-mail: debra.anderson4@pcc.edu

Next Steps:

1. a. Save completed Associate of Applied Science/Certificate Revision Request Form and Submit as an email attachment to curriculum@pcc.edu.
b. If needed, attach Related Instruction Form (<http://www.pcc.edu/resources/academic/eac/degree/forms.html>) to the same email.
2. Download and print Associate of Applied Science/Certificate Revision Signature Page Form (<http://www.pcc.edu/resources/academic/eac/degree/forms.html>) and get the appropriate signatures.
3. Staple signed Associate of Applied Science/Certificate Revision Signature Page Form to a hard copy of Associate of Applied Science/Certificate Revision Request Form (electronic version has already been sent in Step 1). Send both forms to Curriculum Office, Rock Creek Campus, Building 5, Room 114 via campus mail.

Building Inspection AAS Degree 2009-2010

First Term			
INSP 251	International Building Code I		4
ARCH 161	Blueprint Reading I		2
ARCH 121	Structural Systems I		2
ARCH 124	Intro. to Building Systems		3
Second Term			
INSP 252	International Building Code II		3
ARCH 162	Blueprint Reading II		2
ARCH 122	Structural Systems II		4
Communication Elective ²			4
Third Term			
INSP 253	International Building Code III		3
ARCH 123	Structural Systems III		4
General Education Elective			4
CG 209 Job Skills			1
Fourth Term			
INSP 201	Plan Review – Commercial		4
General Education			4
INSP/ARCH Electives			4
INSP 280B	CE: Field Experience ⁴		4
Fifth Term			
INSP 151	International Residential Code Structural		4
INSP 257	International Fuel Gas Code		3
INSP/ARCH Electives			3
General Education Elective			4
Sixth Term			
INSP 152	International Residential Code Mechanical		2
INSP 255	International Mechanical Code I		2
INSP 280B	Cooperative Experience ⁴		4
INSP/ARCH Elective ¹			2
General Education Elective			4
Seventh Term			
INSP 202	Plan Review - Residential		4
INSP 256	International Mechanical Code II		3
INSP 220	Fire and Life Safety		3
INSP/ARCH Elective			1
INSP 280B	Cooperative Education ⁴		2
Communication Elective ²			2
Total			95

Current**Building Inspection Technology AAS Degree****Building Inspection Technology Core Courses – Required**

INSP 151	Intern. Residential Code: Structural4	
INSP 152	Intern. Residential Code - Mechanical	2
INSP 251	Intern. Building Code 1	4
INSP 252	Intern. Building Code 2	3
INSP 253	Intern. Building Code 3	3
INSP 255	Intern. Mechanical Code 1	2
INSP 256	Intern. Mechanical Code 2	3
INSP 257	Intern. Fuel Gas Code	3
INSP 201	Plans Exam - Commercial	4
INSP 202	Plans Exam - Residential	4
INSP220	Fire and Life Safety	3
INSP 280B	CE: Field Experience	10
ARCH 121	Structural Systems 1	2
ARCH 122	Structural Systems 2	4
ARCH 123	Structural Systems 3	4
ARCH 124	Intro. to Building Systems	3
ARCH 161	Blueprint Reading - Part 1	2
ARCH 162	Blueprint Reading - Part 2	2
CG 209	Job Finding Skills (Online)	1

INSP/ARCH Electives – choose a total of 10 credits

INSP 154	Residential Inspection Basics	1
INSP 260	Oregon Inspections Certificate	2
INSP 101	Architectural Graphics 1	2
INSP 102	Architectural Graphics 2	2
ARCH 113	Working Drawings 3	2
ARCH 224	Active & Passive Bldg Systems	4

Specified General Education Options – choose at least one

PHL 191	Analysis & Evaluation of Argument	4
SP100	Introduction to Speech Communication	4
PSY101	Psychology and Human Relations	4
SOC204	Sociology in Everyday Life	4

Communication Electives Options – choose a total of 6 credits

MSD 105	Interpersonal Communication	3
MSD 110	Gender Conflict Resolution	1
MSD 111	Corresponding Effect at Work	3
MSD 116	Creative Think/Innov Change	1
MSD 130	Creative Problem Solving	3
MSD 128	Handling the Difficult Person	1
MSD 119A	Intercultural Communication	1
MSD 150	Listening Skills	1
MSD 151	Dealing with Difficult People	1
MSD 157	Conflict Management	1
MSD 160A	Communication Styles	1
MSD 161	Customer Relations	1
MSD162	Angry Feelings/Angry People	1
MSD 175B	Direct Comm. in Workplace	1
MDS 176	Non-verbal Communication	1
SP 105	Listening	4
SP 140	Intercultural Communication	4
SP 215	Small Group Communication	4
SP 227	Nonverbal Communication	4

Proposed**Building Inspection Technology AAS Degree****Building Inspection Technology Core Courses – Required**

INSP 151	Intern. Residential Code: Structural4	
INSP 152	Intern. Residential Code - Mechanical	2
INSP 251	Intern. Building Code 1	4
INSP 252	Intern. Building Code 2	3
INSP 253	Intern. Building Code 3	3
INSP 255	Intern. Mechanical Code 1	2
INSP 256	Intern. Mechanical Code 2	3
INSP 257	Intern. Fuel Gas Code	3
INSP 201	Plans Exam - Commercial	4
INSP 202	Plans Exam - Residential	4
INSP220	Fire and Life Safety	3
INSP 280B	CE: Field Experience	10
ARCH 121	Structural Systems 1	2
ARCH 122	Structural Systems 2	4
ARCH 123	Structural Systems 3	4
ARCH 124	Intro. to Building Systems	3
ARCH 161	Blueprint Reading - Part 1	2
ARCH 162	Blueprint Reading - Part 2	2
CG 209	Job Finding Skills (Online)	1

INSP/ARCH Electives – choose a total of 10 credits

INSP 154	Residential Inspection Basics	1	
INSP 260	Oregon Inspections Certificate	2	
INSP 101	Architectural Graphics 1	2	
INSP 102	Architectural Graphics 2	2	
ARCH 113	Working Drawings 3	2	
ARCH 224	Active & Passive Bldg Systems	4	
INSP 217	Fire Alarm Plan Review Basics	2	added
INSP 218	Fire Sprinkler Plan Review Basics	2	added

Specified General Education Options – choose at least one

PHL 191	Analysis & Evaluation of Argument	4
SP100	Introduction to Speech Communication	4
PSY101	Psychology and Human Relations	4
SOC204	Sociology in Everyday Life	4

Communication Electives Options – choose a total of 6 credits

MSD 105	Interpersonal Communication	3
MSD 110	Gender Conflict Resolution	1
MSD 111	Corresponding Effect at Work	3
MSD 116	Creative Think/Innov Change	1
MSD 130	Creative Problem Solving	3
MSD 128	Handling the Difficult Person	1
MSD 119A	Intercultural Communication	1
MSD 150	Listening Skills	1
MSD 151	Dealing with Difficult People	1
MSD 157	Conflict Management	1
MSD 160A	Communication Styles	1
MSD 161	Customer Relations	1
MSD162	Angry Feelings/Angry People	1
MSD 175B	Direct Comm. in Workplace	1
MDS 176	Non-verbal Communication	1
SP 105	Listening	4
SP 140	Intercultural Communication	4
SP 215	Small Group Communication	4
SP 227	Nonverbal Communication	4

PORTLAND COMMUNITY COLLEGE

Associate of Applied Science/Certificate Revision Request Form

Current Degree/Certificate Title: Residential Structural and Mechanical Inspection and Plans Examination Certificate

Proposed Degree/Certificate Title:

Reason for Revision:

Add prerequisite, add courses to INSP/ARCH electives list and a course name change

1) Old Prerequisites: RD 115, WR 115 and Math 20

New Prerequisites: INSP 100, WR 115 and Math 20

2) Add INSP 217 and INSP 218 to the INSP/ARCH Electives list

3) Title Change INSP 154. Was: Introduction to Residential Inspection. Is: Residential Inspection Basics

Request Implementation Term: Winter 2010

List Current Degree/Certificate Prerequisites:

Sample

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

Current

Course Number	Course Title	Credit
RD 115	College Reading	4
WR 115	Introduction to Expository Writing	4
MTH 20	Basic Math	4

Does Revision involve changing Degree/Certificate Prerequisites?

☐ No ☒ Yes

If Yes, please list proposed prerequisites:

Proposed

Course Number	Course Title	Credit
INSP 100	Introduction to Building Inspection Technology	1
WR 115	Introduction to Expository Writing	4
MTH 20	Basic Math	4

Does Revision impact PCC Core Outcomes which Degree and/or Certificates support?

☒ No ☐ Yes

If Yes, explain:

List Current Degree/Certificate Outcomes: (REQUIRED whether or not Outcomes are changing)

Sample

Current Degree/Certificate Outcome
<ul style="list-style-type: none">• Develop JavaScript extensions to web pages• Upload, test and deploy web pages containing JavaScript

Current Degree/Certificate Outcome
<ul style="list-style-type: none">• Outcomes are being re-evaluated

Does Revision involve changing Degree/Certificate Outcomes?

☒ No ☐ Yes

If Yes, list proposed outcomes:

Proposed Degree/Certificate Outcome
<ul style="list-style-type: none">•

For Certificates, does Revision involve changing Related Instruction?

☐ No ☐ Yes

If Yes, Fill out Template for Related Instruction

(<http://www.pcc.edu/resources/academic/eac/degree/forms.html>).

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1. Arts and Humanities
2. Mathematics, Natural and Physical sciences, Social Science
3. Social Science

Does Revision involve changing coursework requirements?

☐ No ☐ Yes

If Yes, please list **ALL** current and proposed coursework:

Sample

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

Current

Course Number	Course Title	Credit
	See Attached	

Proposed

Course Number	Course Title	Credit
	See Attached	

Total Number of Credits in Degree/Certificate:

Current Credits: 43

Proposed Credits: 43

Contact Information:

Submitted by: Debra Anderson
Contact e-mail: Debra.Anderson4@pcc.edu

Next Steps:

1. a. Save completed Associate of Applied Science/Certificate Revision Request Form and Submit as an email attachment to curriculum@pcc.edu.
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Residential Structural and Mechanical Inspection and Plans Examination certificate current				Residential Structural and Mechanical Inspection and Plans Examination certificate proposed			
First Term				First Term			
INSP 151	International Residential Code-Structural		4	INSP 151	International Residential Code-Structural		4
INSP 154	Intro to Residential Inspection (OLD)		1	INSP 154	Residential Inspection Basics (New Title)		1
ARCH 121	Structural Systems I		2	ARCH 121	Structural Systems I		2
ARCH 161	Blueprint Reading I		2	ARCH 161	Blueprint Reading I		2
CAS 216	Beginning WORD		3	CAS 216	Beginning WORD		3
			12				12
Second Term				Second Term			
INSP 152	International Residential Code-Mechanical		2	INSP 152	International Residential Code-Mechanical		2
ARCH 122	Structural Systems II		4	ARCH 122	Structural Systems II		4
CG 209	Job Finding Skills		1	CG 209	Job Finding Skills		1
INSP 280B	CE: Field Experience		4	INSP 280B	CE: Field Experience		4
Electives			3	Electives			3
			14				14
Third Term				Third Term			
INSP 202	Plans Exam-Residential		4	INSP 202	Plans Exam-Residential		4
INSP 280B	CE: Field Experience		6	INSP 280B	CE: Field Experience		6
ARCH 123	Structural Systems III		4	ARCH 123	Structural Systems III		4
Electives			3	Electives			3
			17				17
		Total	43			Total	43
INSP/ARCH Electives List Current				INSP/ARCH Electives List Proposed			
INSP 154	Intro to Residential Inspection		1	INSP 154	Residential Inspection Basics (New Title)		1
INSP 260	Oregon Inspections Certificate		2	INSP 260	Oregon Inspections Certificate		2
INSP 101	Architectural Graphics 1		2	INSP 101	Architectural Graphics 1		2
INSP 102	Architectural Graphics 2		2	INSP 102	Architectural Graphics 2		2
ARCH 113	Working Drawings 3		2	ARCH 113	Working Drawings 3		2
ARCH 224	Active & Passive Bldg Systems		4	ARCH 224	Active & Passive Bldg Systems		4
				INSP 217	Fire Alarm Plan Review Basics (add)		2
				INSP 218	Fire Sprinkler Plan Review Basics (add)		2

PORTLAND COMMUNITY COLLEGE

Associate of Applied Science/Certificate Revision Request Form

Current Degree/Certificate Title: Commercial Structural and Mechanical Inspection Certificate

Proposed Degree/Certificate Title:

Reason for Revision:

Add prerequisite, add courses to INSP/ARCH electives list and a course name change

1) Old Prerequisites: RD 115, WR 115 and Math 20

New Prerequisites: INSP 100, WR 115 and Math 20

2) Add INSP 217 and INSP 218 to the INSP/ARCH Electives list

3) Title Change INSP 154. Was: Introduction to Residential Inspection. Is: Residential Inspection Basics

Request Implementation Term: Winter 2010

List Current Degree/Certificate Prerequisites:

Sample

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

Current

Course Number	Course Title	Credit
RD 115	College Reading	4
WR 115	Introduction to Expository Writing	4
MTH 20	Basic Math	4

Does Revision involve changing Degree/Certificate Prerequisites?

☐ No ☒ Yes

If Yes, please list proposed prerequisites:

Proposed

Course Number	Course Title	Credit
INSP 100	Introduction to Building Inspection Technology	1
WR 115	Introduction to Expository Writing	4
MTH 20	Basic Math	4

Does Revision impact PCC Core Outcomes which Degree and/or Certificates support?

☒ No ☐ Yes

If Yes, explain:

List Current Degree/Certificate Outcomes: (REQUIRED whether or not Outcomes are changing)

Sample

Current Degree/Certificate Outcome
<ul style="list-style-type: none">• Develop JavaScript extensions to web pages• Upload, test and deploy web pages containing JavaScript

Current Degree/Certificate Outcome
<ul style="list-style-type: none">• Outcomes are being re-evaluated

Does Revision involve changing Degree/Certificate Outcomes?

☒ No ☐ Yes

If Yes, list proposed outcomes:

Proposed Degree/Certificate Outcome
<ul style="list-style-type: none">•

For Certificates, does Revision involve changing Related Instruction?

☒ No ☐ Yes

If Yes, Fill out Template for Related Instruction

(<http://www.pcc.edu/resources/academic/eac/degree/forms.html>).

All candidates for the Associate of Applied Science degree must complete 16 credits of General Education, 8 of which can be specified by the department issuing the degree. The 16 credits must include at least 1 course, with no more than 8 credits from the following three categories:

1. Arts and Humanities
2. Mathematics, Natural and Physical sciences, Social Science
3. Social Science

Does Revision involve changing coursework requirements?

☐ No ☒ Yes

If Yes, please list **ALL** current and proposed coursework:

Sample

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

Current

Course Number	Course Title	Credit
	See attached	

Proposed

Course Number	Course Title	Credit
	See attached	

Total Number of Credits in Degree/Certificate:

Current Credits: 44

Proposed Credits: 44

Contact Information:

Submitted by: Debra Anderson
Contact e-mail: Debra.Anderson4@pcc.edu

Next Steps:

1. a. Save completed Associate of Applied Science/Certificate Revision Request Form and Submit as an email attachment to curriculum@pcc.edu.
b. If needed, attach Related Instruction Form (<http://www.pcc.edu/resources/academic/eac/degree/forms.html>) to the same email.
2. Download and print Associate of Applied Science/Certificate Revision Signature Page Form (<http://www.pcc.edu/resources/academic/eac/degree/forms.html>) and get the appropriate signatures.
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**Commercial Structural and Mechanical
Inspection Certificate 2009-2010**

First Term			
INSP 251	International Building Code I		4
INSP 257	International Fuel and Gas Code		3
ARCH 121	Structural Systems I		2
CAS 216	Beginning WORD		3
MSD 151	Dealing with Difficult People		1
CG 209	Job Finding Skills		1
			14

Second Term			
INSP 252	International Building Code II		3
INSP 255	International Mechanical Code I		2
ARCH 122	Structural Systems II		4
ARCH 162	Printreading II		2
MSD 130	Creative Problem Solving		3
			14

Third Term			
INSP 253	International Building Code III		3
INSP 256	International Mechanical Code II		3
ARCH 123	Structural Systems III		4
INSP 280B	CE: Field Experience		6
			16
		Total	44

INSP/ARCH Electives List Current				INSP/ARCH Electives List Proposed			
INSP 154	Intro to Residential Inspection		1	INSP 154	Residential Inspection Basics (New Title)		1
INSP 260	Oregon Inspections Certificate		2	INSP 260	Oregon Inspections Certificate		2
INSP 101	Architectural Graphics 1		2	INSP 101	Architectural Graphics 1		2
INSP 102	Architectural Graphics 2		2	INSP 102	Architectural Graphics 2		2
ARCH 113	Working Drawings 3		2	ARCH 113	Working Drawings 3		2
ARCH 224	Active & Passive Bldg Systems		4	ARCH 224	Active & Passive Bldg Systems		4
				INSP 217	Fire Alarm Plan Review Basics (add)		2
				INSP 218	Fire Sprinkler Plan Review Basics (add)		2

PORTLAND COMMUNITY COLLEGE

Associate of Applied Science/Certificate Revision Request Form

Current Degree/Certificate Title: Dealer Service Technology AAS

Proposed Degree/Certificate Title:

Reason for Revision:

- 1) Addition of two credits to DST 110.
- 2) Addition of two credits to DST 111.
- 3) Reduction of DST 150 by one credit. Because DST is taken four times by the students, it will effectively be a four credit decrease.

DST 150 x 4 = 4 credits

DST 110 + 2 credits

DST 111 + 2 credits

Net Change: 0 Credits

Request Implementation Term: Winter 2010

List Current Degree/Certificate Prerequisites:

Sample

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

Current

Course Number	Course Title	Credit

Does Revision involve changing Degree/Certificate Prerequisites?

☒ No ☐ Yes

If Yes, please list proposed prerequisites:

Proposed

Course Number	Course Title	Credit

Does Revision impact PCC Core Outcomes which Degree and/or Certificates support?

☒ No ☐ Yes

If Yes, explain:

List Current Degree/Certificate Outcomes: (REQUIRED whether or not Outcomes are changing)

Sample

Current Degree/Certificate Outcome
<ul style="list-style-type: none">• Develop JavaScript extensions to web pages

- Upload, test and deploy web pages containing JavaScript

Current Degree/Certificate Outcome

- During the 24 month program, students will learn about engine fundamentals, machine hydraulics, fuel systems, electrical systems, transmissions and torque converters, undercarriage, final drives and more. During the paid on-the-job/internships at the sponsoring Caterpillar dealership, students will have the opportunity to experience future careers firsthand through on-the-job training. On completion of the program, students will earn an Associated Degree of Applied Science from Portland Community College

Does Revision involve changing Degree/Certificate Outcomes?

☒ No ☐ Yes

If Yes, list proposed outcomes:

Proposed Degree/Certificate Outcome

-

For Certificates, does Revision involve changing Related Instruction?

☒ No ☐ Yes

If Yes, Fill out Template for Related Instruction

(<http://www.pcc.edu/resources/academic/eac/degree/forms.html>).

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1. Arts and Humanities
2. Mathematics, Natural and Physical sciences, Social Science
3. Social Science

Does Revision involve changing coursework requirements?

☐ No ☒ Yes

If Yes, please list **ALL** current and proposed coursework:

Sample

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

Current

Course Number	Course Title	Credit
DST 150	Caterpillar Service Technology Internship	7
DST 111	Intro to Caterpillar Service Industry	1
DST 110	Caterpillar Engine Fundamentals	6

Proposed

Course Number	Course Title	Credit
DST 150	Caterpillar Service Technology Internship	6
DST 111	Intro to Caterpillar Service Industry	3
DST 110	Caterpillar Engine Fundamentals	8

Total Number of Credits in Degree/Certificate:

Current Credits: 101 core Credits

Proposed Credits: 101 Core Credits

Contact Information:

Submitted by: Ishmael Rivas FDC DST

Contact e-mail: ish.rivas@pcc.edu

Next Steps:

1. a. Save completed Associate of Applied Science/Certificate Revision Request Form and Submit as an email attachment to curriculum@pcc.edu.
b. If needed, attach Related Instruction Form (<http://www.pcc.edu/resources/academic/eac/degree/forms.html>) to the same email.
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DEALER SERVICE TECHNOLOGY AAS DEGREE			Current	DEALER SERVICE TECHNOLOGY AAS DEGREE			Proposed
Course List				Course List			
First Term				First Term			
DST 110	Caterpillar Engine Fundamentals	6		DST 110	Caterpillar Engine Fundamentals (Increase)		8
DST 111	Introduction to Caterpillar Service Industry	1		DST 111	Introduction to Caterpillar Service Industry (Increase)		3
WLD 217	Diesel Welding	3		WLD 217	Diesel Welding		3
Second term				Second term			
DST 150	Caterpillar Service Technology Internship	7		DST 150	Caterpillar Service Technology Internship I (decrease)		6
	General Education Social Science	4			General Education Social Science		4
Third Term				Third Term			
DST 112	Fundamentals of Hydraulics	4		DST 112	Fundamentals of Hydraulics		4
DST 113	Caterpillar Engine Fuel Systems	4		DST 113	Caterpillar Engine Fuel Systems		4
DST 114	Fundamentals of Electricity	4		DST 114	Fundamentals of Electricity		4
Fourth Term (1st Module)				Fourth Term (1st Module)			
DST 150	Caterpillar Service Technology Internship II	7		DST 150	Caterpillar Service Technology Internship II (decrease)		6
OR				OR			
Fourth Term (2nd Module)				Fourth Term (2nd Module)			
DST 115	Air Conditioning	3		DST 115	Air Conditioning		3
DST 116	Fundamentals of Transmissions			DST 116	Fundamentals of Transmissions		
	and Torque Converters	4			and Torque Converters		4
DST 117	Machine Hydraulic Systems	4		DST 117	Machine Hydraulic Systems		4
	General Education Any	4			General Education Any		4
Fifth Term				Fifth Term			
DST 150	Caterpillar Service Technology Internship III	7		DST 150	Caterpillar Service Technology Internship III (decrease)		6
Sixth Term				Sixth Term			
DST 200	Undercarriage and Final Drive	4		DST 200	Undercarriage and Final Drive		4
DST 201	Machine Electronic Systems	4		DST 201	Machine Electronic Systems		4
	General Education Math and Science	4			General Education Math and Science		4
	General Education Arts and Humanities	4			General Education Arts and Humanities		4
Seventh Term				Seventh Term			
DST 150	Caterpillar Service Technology Internship IV	7		DST 150	Caterpillar Service Technology Internship IV (decrease)		6
Eighth Term				Eighth Term			
DST 202	Caterpillar Engine Performance	3		DST 202	Caterpillar Engine Performance		3
DST 203	Diagnostic Testing	3		DST 203	Diagnostic Testing		3

DST 204	Machine Specific Systems	6	DST 204	Machine Specific Systems	6
WR 121	English Composition	4	WR 121	English Composition	4
	Total Credits	101		Total Credits	101

PORTLAND COMMUNITY COLLEGE

Associate of Applied Science/Certificate Revision Request Form

Current Degree/Certificate Title: Electronic Engineering Technology AAS

Proposed Degree/Certificate Title:

Reason for Revision:

1. Aligning outcomes format with the format required by PCC.
2. EET AAS: Old Credit Total: 103
Addition of EET 101 = 1cr
Addition of MTH 111B as an "or"
New Credit Total: 104

Request Implementation Term: Winter 2010

List Current Degree/Certificate Prerequisites:

Sample

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

Current

Course Number	Course Title	Credit
	Placement in MTH 95 and WR 115	

Does Revision involve changing Degree/Certificate Prerequisites?

☒ No ☐ Yes

If Yes, please list proposed prerequisites:

Proposed

Course Number	Course Title	Credit
	Placement in MTH 95 and WR 115	

Does Revision impact PCC Core Outcomes which Degree and/or Certificates support?

☒ No ☐ Yes

If Yes, explain:

List Current Degree/Certificate Outcomes: (REQUIRED whether or not Outcomes are changing)

Sample

Current Degree/Certificate Outcome
<ul style="list-style-type: none">• Develop JavaScript extensions to web pages• Upload, test and deploy web pages containing JavaScript

Current Degree/Certificate Outcome
Upon satisfactory completion of the EET Program the student should be able to: 1. Read and understand electronic circuit schematic diagrams and identify

electronic components and have a basic knowledge of their operating characteristics.

2. Use basic electronic instruments such as the digital multi-meter, oscilloscope, function generator, and spectrum analyzer to measure and analyze the performance of electronic circuits.
3. Use computer applications such as word processors, spreadsheets, circuit simulators, and data acquisition.
4. Use a scientific calculator to solve electronic circuit problems.
5. Apply basic electronic theory, math, and physics to measure and analyze the performance of electronic circuits. Be able to find and solve problems in electronic circuits.
6. Communicate effectively and work individually and as a team member.
7. Continue training on the job, at an educational institution, or engage in self-learning.
8. Obtain employment in the electronics industry.
9. Transfer to a 4-year BSEET program at schools such as the OIT.

Does Revision involve changing Degree/Certificate Outcomes?

☐ No ☒ Yes

If Yes, list proposed outcomes:

Proposed Degree/Certificate Outcome
<ul style="list-style-type: none">• Qualify for employment in the electrical/electronics field• Install, service and repair electrical and electronics systems, perform technician work in the manufacturing area by applying knowledge of electrical, electronics, control systems, and programming concepts.• Assist engineers with the design of electrical/electronics systems by applying knowledge of electrical, electronics, control systems, and programming concepts.• Communicate effectively both at the individual level and within team settings.• Apply ethical and professional practice within the field of electrical/electronics• Achieve success in continuing their education towards completion of a four-year degree in engineering technology or engineering.

For Certificates, does Revision involve changing Related Instruction?

☒ No ☐ Yes

If Yes, Fill out Template for Related Instruction

(<http://www.pcc.edu/resources/academic/eac/degree/forms.html>).

All candidates for the Associate of Applied Science degree must complete 16 credits of General Education, 8 of which can be specified by the department issuing the degree. The 16 credits must include at least 1 course, with no more than 8 credits from the following three categories:

1. Arts and Humanities
2. Mathematics, Natural and Physical sciences, Social Science
3. Social Science

Does Revision involve changing coursework requirements?☐ No☒ YesIf Yes, please list **ALL** current and proposed coursework:**Sample**

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

Current

Course Number	Course Title	Credit
EET 111	Electric Circuit Analysis I	5
EET 121	Digital Systems I	3
MTH 111C	College Algebra	5
WR 121	English Composition	4
EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	3
EET 188	Industrial Safety	1
MTH 112	Elementary Functions	5
EET 113	Electric Circuit Analysis III	5
EET 123	Digital Systems III	5
EET 178	PC Architecture for Tech	4
CS 133U	Intro to C	4
EET 221	Semiconductor Devices	5
EET 241	Microcomputer Systems	4
MTH 243	Statistics	4
PHY 201	General Physics	4
	Gen Ed-Social Science	4
EET 222	Op-Amp Circuits	5
EET 242	Microcontroller Systems	4
PHY 201	General Physics	4
EET 254	Seminar	1
	Gen Ed: Arts and Letters	4
EET 223	RF Communications Circuits	5
EET 255	Industrial Control Systems	4
EET 256	Project Lab	2
PHY 203	General Physics	4

Proposed

Course Number	Course Title	Credit
EET 111	Electric Circuit Analysis I	5
EET 121	Digital Systems I	3
MTH 111C	College Algebra	5
WR 121	English Composition	4
EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	3
EET 188	Industrial Safety	1
MTH 112	Elementary Functions	5
EET 113	Electrical Power	5
EET 123	Digital Systems III	5
EET 178	PC Architecture for Tech	4
CS 133U/CS	Intro to C/Computer Science I	4

161		
EET 221	Semiconductor Devices	5
EET 241	Microcomputer Systems	4
MTH 243	Statistics	4
PHY 201	General Physics	4
	Gen Ed-Social Science	4
EET 222	Op-Amp Circuits	5
EET 242	Microcontroller Systems	4
PHY 201	General Physics	4
EET 254	Seminar	1
	Gen Ed: Arts and Letters	4
EET 223	RF Communications Circuits	5
EET 255	Industrial Control Systems	4
EET 256/EET 280A	Project Lab/CE: Electronic Engineering Tech	2
PHY 203	General Physics	4
EET 101	Intro to Electronic Testing Equipment/Soldering/Tools	1
	Addition of MTH 111B as an "or"	
	New Credit Total: 104	

Total Number of Credits in Degree/Certificate:

Current Credits: 103

Proposed Credits: 104

Contact Information:

Submitted by: sanda williams

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

Next Steps:

- Save completed Associate of Applied Science/Certificate Revision Request Form and Submit as an email attachment to curriculum@pcc.edu.
 - If needed, attach Related Instruction Form (<http://www.pcc.edu/resources/academic/eac/degree/forms.html>) to the same email.
- Download and print Associate of Applied Science/Certificate Revision Signature Page Form (<http://www.pcc.edu/resources/academic/eac/degree/forms.html>) and get the appropriate signatures.
- Staple signed Associate of Applied Science/Certificate Revision Signature Page Form to a hard copy of Associate of Applied Science/Certificate Revision Request Form (electronic version has already been sent in Step 1). Send both forms to Curriculum Office, Rock Creek Campus, Building 5, Room 114 via campus mail.

ELECTRONIC ENGINEERING AAS DEGREE Current			ELECTRONIC ENGINEERING AAS DEGREE Proposed		
First Term			First Term		
EET 111	Electrical Circuit Analysis I	5	EET 111	Electrical Circuit Analysis I	5
EET 121	Digital Systems I	3	EET 121	Digital Systems I	3
MTH 111C	College Algebra for Math, Science and Engineering	5	MTH 111B	College Algebra * Or	5
WR 121	English Composition	4	MTH 111C	College Algebra*	
	Total	17	WR 121	English Composition	4
Second Term				Total	17
EET 112	Electrical Circuit Analysis II	5	Second Term		
EET 122	Digital Systems II	3	EET 112	Electrical Circuit Analysis II	5
EET 188	Industrial Safety	1	EET 122	Digital Systems II	3
MTH 112	Elementary Functions	5	EET 188	Industrial Safety	1
Gen Ed Social Science Electives		4	MTH 112	Elementary Functions *	5
	Total	18	Gen Ed Social Science Electives		4
Third Term			EET 101	Intro to Electronic Testing Equip (ADD)	1
EET 113	Electrical Circuit Analysis III	5		Total	19
EET 123	Digital Systems III	5	Third Term		
EET 178	PC Architecture for Technicians	4	EET 113	Electrical Circuit Analysis III	5
CS 133U	Introduction to C	4	EET 123	Digital Systems III	5
	Total	18	EET 178	PC Architecture for Technicians	4
Fourth Term			CS 133U	Introduction to C	4
EET 221	Semiconductor Devices & Circuits	5		Total	18
EET 241	Microcomputer Systems	4	Fourth Term		
MTH 243	Statistics I	4	EET 221	Semiconductor Devices & Circuits	5
PHY 201	General Physics	4	EET 241	Microcomputer Systems	4
	Total	17	MTH 243	Statistics I	4
Fifth Term			PHY 201	General Physics*	4
EET 222	Operational Amplifier Circuits	5		Total	17
EET 242	Microcontroller Systems	4	Fifth Term		
PHY 202	General Physics	4	EET 222	Operational Amplifier Circuits	5
Gen Ed Arts and Letters Electives		4	EET 242	Microcontroller Systems	4
	Total	17	PHY 202	General Physics*	4
Sixth Term			Gen Ed Arts and Letters Electives		
					4

EET 223	RF Communications Circuits	5		Total	17
EET 254	EET Seminar I	1	Sixth Term		
EET 255	Industrial Control Systems	4	EET 223	RF Communications Circuits	5
EET 256	Project Lab	2	EET 254	EET Seminar I	1
PHY 203	General Physics	4	EET 255	Industrial Control Systems	4
	Total	16	EET 256	Project Lab	2
		103	PHY 203	General Physics*	4
					16
				Total	104

* Could be used as Gen Ed

PORTLAND COMMUNITY COLLEGE

Associate of Applied Science/Certificate Revision Request Form

Current Degree/Certificate Title: EET:Wireless and Data Communication Engineering Technology
AAS Option

Proposed Degree/Certificate Title:

Reason for Revision:

1. Aligning outcomes with the required PCC outcomes format.
2. Wireless AAS: Old Credit Total: 103
Addition of EET 101 = 1cr
Addition of MTH 111B as an "or"
New Credit Total: 104

Request Implementation Term: Winter 2010

List Current Degree/Certificate Prerequisites:

Sample

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

Current

Course Number	Course Title	Credit
	Placement in MTH 95 and WR 115.	

Does Revision involve changing Degree/Certificate Prerequisites?

☐ No ☒ Yes

If Yes, please list proposed prerequisites:

Proposed

Course Number	Course Title	Credit
	Placement in MTH 95 and completion of WR 121	

Does Revision impact PCC Core Outcomes which Degree and/or Certificates support?

☒ No ☐ Yes

If Yes, explain:

List Current Degree/Certificate Outcomes: (REQUIRED whether or not Outcomes are changing)

Sample

Current Degree/Certificate Outcome
<ul style="list-style-type: none">• Develop JavaScript extensions to web pages• Upload, test and deploy web pages containing JavaScript

Current Degree/Certificate Outcome
<ul style="list-style-type: none">• Upon completion of this EET option graduates should be able to work in the

wireless and data communication industry (ex. radio frequency, cellular, fiber-optics, satellite, commercial broadcast, data networking, and others). They install, repair and maintain a large variety of communication equipment.

Does Revision involve changing Degree/Certificate Outcomes?

☐ No ☒ Yes

If Yes, list proposed outcomes:

Proposed Degree/Certificate Outcome
<ul style="list-style-type: none"> • Qualify for employment in the wireless and data communications field as technicians. • Install, service and repair wireless and data communications systems, and perform technician work in the manufacturing area of wireless and data communications systems by applying knowledge of electrical, electronics, wireless and data communications concepts. • Assist engineers in the design of wireless and data communications systems by applying knowledge of electrical, electronics, wireless and data communications concepts. • Communicate effectively both at the individual level and within team settings. • Apply ethical and professional practice within the field of wireless and data communications • Achieve success in continuing their education towards completion of a four-year degree in engineering technology or engineering.

For Certificates, does Revision involve changing Related Instruction?

☒ No ☐ Yes

If Yes, Fill out Template for Related Instruction

(<http://www.pcc.edu/resources/academic/eac/degree/forms.html>).

All candidates for the Associate of Applied Science degree must complete 16 credits of General Education, 8 of which can be specified by the department issuing the degree. The 16 credits must include at least 1 course, with no more than 8 credits from the following three categories:

1. Arts and Humanities
2. Mathematics, Natural and Physical sciences, Social Science
3. Social Science

Does Revision involve changing coursework requirements?

☐ No ☒ Yes

If Yes, please list **ALL** current and proposed coursework:

Sample

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

Current

Course Number	Course Title	Credit
EET 111	Electric Circuit Analysis I	5
EET 121	Digital Systems I	3
MTH 111C	College Algebra	5
WR 121	English Composition	4

EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	3
EET 188	Industrial Safety	1
MTH 112	Elementary Functions	5
	Gen Ed–Arts and Letters	4
EET 113	Electrical Power	5
EET 123	Digital Systems III	5
EET 178	PC Architecture for Tech	4
CS 133U/CS 161	Intro to C/Computer Science I	4
EET 221	Semiconductor Devices	5
EET 241	Microcomputer Systems	4
MTH 243	Statistics	4
	Gen Ed-Social Science	4
EET 222	Op-Amp Circuits	5
EET 242	Microcontrollers/Robotics Systems	4
CIS 188	Wireless	4
EET 254	Seminar	1
CIS 179	Data Communication I	4
EET 223	RF Communications Circuits	5
EET 256/EET 280A	Project Lab/ CE: Electronic Engineering Tech	2
CIS 189	Wireless Security	4
CIS 278	Data Communication II	4

Proposed

Course Number	Course Title	Credit
EET 111	Electric Circuit Analysis I	5
EET 121	Digital Systems I	3
MTH 111C	College Algebra	5
EET 101	Intro to Electronic Testing Equipment/Soldering/Tools	1
EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	3
EET 188	Industrial Safety	1
MTH 112	Elementary Functions	5
	Gen Ed–Arts and Letters	4
EET 113	Electrical Power	5
EET 123	Digital Systems III	5
EET 178	PC Architecture for Tech	4
CS 133U/CS 161	Intro to C/Computer Science I	4
EET 221	Semiconductor Devices	5
EET 241	Microcomputer Systems	4
MTH 243	Statistics	4
	Gen Ed-Social Science	4
EET 222	Op-Amp Circuits	5
EET 242	Microcontroller Systems	4
CIS 188	Wireless	4
EET 254	Seminar	1
CIS 179	Data Communication I	4
EET 223	RF Communications Circuits	5
EET 256/EET 280A	Project Lab/ CE: Electronic Engineering Tech	2
CIS 189	Wireless Security	4
CIS 278	Data Communication II	4

	Addition of MTH 111B as an "or" New Credit Total: 102	
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Total Number of Credits in Degree/Certificate:

Current Credits: 103

Proposed Credits: 104

Contact Information:

Submitted by: sanda williams

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

Next Steps:

1. a. Save completed Associate of Applied Science/Certificate Revision Request Form and Submit as an email attachment to curriculum@pcc.edu.
b. If needed, attach Related Instruction Form (<http://www.pcc.edu/resources/academic/eac/degree/forms.html>) to the same email.
2. Download and print Associate of Applied Science/Certificate Revision Signature Page Form (<http://www.pcc.edu/resources/academic/eac/degree/forms.html>) and get the appropriate signatures.
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Wireless and Data Communications Eng Tech AAS Current		
EET 111	Electric Circuit Analysis I	5
EET 121	Digital Systems I	3
MTH 111C	College Math*	5
WR 121	English Composition	4
EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	3
EET 188	Industrial Safety	1
MTH 112	Elementary Functions*	5
Gen Ed Arts and Letters Electives		4
EET 113	Electric Circuit Analysis III	5
EET 123	Digital Systems III	5
EET 178	PC Architecture for Tech	4
CS 133U	Introduction to C 1	4
EET 221	Semiconductor Devices And Circuits	5
EET 241	Microcomputer Systems	4
MTH 243	Statistics 2	4
Gen Ed Social Science Electives		4
EET 222	Op-Amp Circuits	5
EET 242	Microcontroller Systems	4
CIS 188	Introduction to Wireless Network	4
EET 254	Seminar	1
CIS 179	Data Comm Concepts I	4
EET 223	RF Communications Circuits	5
EET 256	Project Lab	2
CIS 189	Wireless Security	4
CIS 278	Data Comm Concepts II	4
Total		103

* Could be used as General Education

Wireless and Data Communications Eng Tech AAS Proposed		
EET 101	Intro to Electronic Testing Equip (ADD)	1
EET 111	Electric Circuit Analysis I	5
EET 121	Digital Systems I	3
MTH 111B	College Math* OR	5
MTH 111C	College Math*	
WR 121	English Composition	4
EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	3
EET 188	Industrial Safety	1
MTH 112	Elementary Functions*	5
Gen Ed Arts and Letters Electives		4
EET 113	Electric Circuit Analysis III	5
EET 123	Digital Systems III	5
EET 178	PC Architecture for Tech	4
CS 133U	Introduction to C 1	4
EET 221	Semiconductor Devices And Circuits	5
EET 241	Microcomputer Systems	4
MTH 243	Statistics 2	4
Gen Ed Social Science Electives		4
EET 222	Op-Amp Circuits	5
EET 242	Microcontroller Systems	4
CIS 188	Introduction to Wireless Network	4
EET 254	Seminar	1
CIS 179	Data Comm Concepts I	4
EET 223	RF Communications Circuits	5
EET 256	Project Lab	2
CIS 189	Wireless Security	4
CIS 278	Data Comm Concepts II	4
Total		104

* Could be used as General Education

PORTLAND COMMUNITY COLLEGE

Associate of Applied Science/Certificate Revision Request Form

Current Degree/Certificate Title: EET Biomedical Engineering Technology AAS Option

Proposed Degree/Certificate Title:

Reason for Revision:

1. Aligning outcomes with the required PCC outcomes format.
2. Biomedical AAS: Old Credit Total: 108
Addition of EET 101 = 1cr
Addition of MTH 111B as an "or"
Moving WR 121 to Prerequisite -4

New Credit Total: 105

Request Implementation Term: Winter 2010

List Current Degree/Certificate Prerequisites:

Sample

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

Current

Course Number	Course Title	Credit
	MP 111 and either (BI 122/122) or BI 231/232/233)	

Does Revision involve changing Degree/Certificate Prerequisites?

☐ No ☒ Yes

If Yes, please list proposed prerequisites:

Proposed

Course Number	Course Title	Credit
	MP 111 and either (BI 122/122) or BI 231/232/233); and WR 121 and placement in MTH 95	

Does Revision impact PCC Core Outcomes which Degree and/or Certificates support?

☒ No ☐ Yes

If Yes, explain:

List Current Degree/Certificate Outcomes: (REQUIRED whether or not Outcomes are changing)

Sample

Current Degree/Certificate Outcome
<ul style="list-style-type: none">• Develop JavaScript extensions to web pages• Upload, test and deploy web pages containing JavaScript

Current Degree/Certificate Outcome
<ul style="list-style-type: none"> • Upon successful completion of BMET option students can work as entry level biomedical equipment technicians and they should be able to: • Adapt, operate and maintain medical and radiologic equipment • Perform safety inspection • Troubleshoot and make repairs when necessary • Supervise, evaluate, calibrate and maintain biomedical equipment • Students can also work in laboratories and with medical equipment manufacturing/repair companies

Does Revision involve changing Degree/Certificate Outcomes?

☐ No ☒ Yes

If Yes, list proposed outcomes:

Proposed Degree/Certificate Outcome
<ul style="list-style-type: none"> •Qualify for employment in the medical equipment field as technicians. •Install, service and repair medical equipment systems, and perform technician work in the manufacturing of medical equipment systems by applying knowledge of electrical, electronics, control systems, networking, biomedical equipment concepts. •Apply knowledge of electrical, electronics, control systems, networking, biomedical equipment concepts working with engineers on the design of medical equipment systems. •Qualify to train health care professionals on the use of medical equipment •Communicate effectively both at the individual level and within team settings. •Apply ethical and professional practice within the field of medical equipment •Achieve success in continuing their education towards completion of a four-year degree in engineering technology or engineering.

For Certificates, does Revision involve changing Related Instruction?

☒ No ☐ Yes

If Yes, Fill out Template for Related Instruction

(<http://www.pcc.edu/resources/academic/eac/degree/forms.html>).

All candidates for the Associate of Applied Science degree must complete 16 credits of General Education, 8 of which can be specified by the department issuing the degree. The 16 credits must include at least 1 course, with no more than 8 credits from the following three categories:

1. Arts and Humanities
2. Mathematics, Natural and Physical sciences, Social Science
3. Social Science

Does Revision involve changing coursework requirements?

☐ No ☒ Yes

If Yes, please list **ALL** current and proposed coursework:

Sample

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

Current

Course Number	Course Title	Credit
---------------	--------------	--------

EET 111	Electric Circuit Analysis I	5
EET 121	Digital Systems I	3
MTH 111C	College Algebra	5
WR 121	English Composition	4
EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	3
EET 188	Industrial Safety	1
MTH 112	Elementary Functions	5
	Gen Ed–Arts and Letters	4
EET 113	Electrical Power	5
EET 123	Digital Systems III	5
EET 178	PC Architecture for Tech	4
CS 133U/CS 161	Intro to C/ Computer Science I	4
EET 221	Semiconductor Devices	5
EET 241	Microcomputer Systems	4
CIS 179	Data Communications Concepts	4
	Gen Ed-Social Science	4
EET 222	Op-Amp Circuits	5
EET 242	Microcontroller Systems	4
EET 260	Biomedical Equipment I	4
EET 254	Seminar	1
EET 261	Biomedical Equipment II	4
EET 223	RF Communications Circuits	5
EET 255	Industrial Control Systems	4
EET 280B	CE: BMET Practicum	11

Proposed

Course Number	Course Title	Credit
EET 111	Electric Circuit Analysis I	5
EET 121	Digital Systems I	3
MTH 111C	College Algebra	5
EET 101	Intro to Electronic Testing Equipment/Soldering/Tools	1
EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	3
EET 188	Industrial Safety	1
MTH 112	Elementary Functions	5
	Gen Ed–Arts and Letters	4
EET 113	Electrical Power	5
EET 123	Digital Systems III	5
EET 178	PC Architecture for Tech	4
CS 133U/CS 161	Intro to C/ Computer Science I	4
EET 221	Semiconductor Devices	5
EET 241	Microcomputer Systems	4
CIS 179	Data Communications Concepts	4
	Gen Ed-Social Science	4
EET 222	Op-Amp Circuits	5
EET 242	Microcontrollers/Robotics Systems	4
EET 260	Biomedical Equipment I	4
EET 254	Seminar	1
EET 261	Biomedical Equipment II	4
EET 223	RF Communications Circuits	5
EET 270	Motors/Generators and Control Systems	3

EET 280B	CE: BMET Practicum Addition of MTH 111B as an "or" New Credit Total: 105	4-11
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Total Number of Credits in Degree/Certificate:

Current Credits: 108

Proposed Credits: 105

Contact Information:

Submitted by: sanda williams

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

Next Steps:

1. a. Save completed Associate of Applied Science/Certificate Revision Request Form and Submit as an email attachment to curriculum@pcc.edu.
b. If needed, attach Related Instruction Form (<http://www.pcc.edu/resources/academic/eac/degree/forms.html>) to the same email.
2. Download and print Associate of Applied Science/Certificate Revision Signature Page Form (<http://www.pcc.edu/resources/academic/eac/degree/forms.html>) and get the appropriate signatures.
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Biomed Curriculum: Current		
First Term		
EET 111	Electric Circuit Analysis I	5
EET 1121	Digital Systems I	3
MTH 111C	College Algebra	5
WR 121	Writing Composition	4
		17
Second Term		
EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	3
MTH 112	Elementary Functions	5
EET 188	Industrial Safety	1
CIS 179	Data Comm Concepts I	4
		18
Third Term		
EET 113	Electric Circuit Analysis III	5
EET 123	Digital Systems III	5
CS 133U	Introduction to C 1	4
EET 178	PC Architecture for Techs	4
		18
Fourth Term		
EET 221	Semiconductor Devices & Circuits	5
EET 241	Microcomputer Systems	4
EET 260	Biomedical Equipment I	4
Gen Ed	Social Science Electives	4
		17
Fifth Term		
EET 222	OP-Amp Circuits	5
EET 242	Microcontroller Systems	4
EET 261	Biomedical Equipment II	4
EET 280C	CE: BMET Practicum	4 TO 11
Gen Ed	Arts and Letters	4
Sixth Term		
EET 223	RF Communications Circuits	5

Biomed Curriculum: Proposed		
First Term		
EET 111	Electric Circuit Analysis I	5
EET 1121	Digital Systems I	3
WR 121	Writing Composition (Moving to Prereq)	0
General Education		4
EET 101	Intro to Electronic Testing Equip (ADD)	1
Second Term		13
EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	3
EET 188	Industrial Safety	1
CS 133U	Introduction to C 1	4
MTH 111B	College Algebra* or	5
MTH 111C	College Algebra*	18
Third Term		
EET 113	Electric Circuit Analysis III	5
EET 123	Digital Systems III	5
EET 178	PC Architecture for Techs	4
MTH 112	Elementary Functions*	5
		19
Fourth Term		
EET 221	Semiconductor Devices & Circuits	5
EET 241	Microcomputer Systems	4
EET 260	Biomedical Equipment I	4
CIS 179	Data Comm Concepts I	4
		17
Fifth Term		
EET 222	OP-Amp Circuits	5
EET 242	Microcontroller Systems	4
EET 261	Biomedical Equipment II	4
EET 280C	CE: BMET Practicum	6
EET 254	Seminar I	1
Sixth Term		20
EET 223	RF Communications Circuits	5

EET 255	Industrial Control Systems	4
EET 254	Seminar I	1
EET 280C	CE: BMET Practicum	4 TO 11
		14 TO 21
		108

EET 255	Industrial Control Systems	4
EET 280C	CE: BMET Practicum	5
General Education		4
		18
		Total
		105

* Can be used as General Education

PORTLAND COMMUNITY COLLEGE

Associate of Applied Science/Certificate Revision Request Form

Current Degree/Certificate Title: EET: Renewable Energy Systems AAS Option

Proposed Degree/Certificate Title:

Reason for Revision:

1. Align outcomes format with the format required by PCC.
2. Renewable Energy AAS: Old Credit Total: 106
Addition of EET 101 = 1cr
Addition of MTH 111B as an "or"
New Credit Total: 107

Request Implementation Term: Winter 2010

List Current Degree/Certificate Prerequisites:

Sample

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

Current

Course Number	Course Title	Credit
	Completion of WR 121 and Placement in MTH 95	

Does Revision involve changing Degree/Certificate Prerequisites?

☒ No ☐ Yes

If Yes, please list proposed prerequisites:

Proposed

Course Number	Course Title	Credit
	Completion of WR 121 and Placement in MTH 95	

Does Revision impact PCC Core Outcomes which Degree and/or Certificates support?

☒ No ☐ Yes

If Yes, explain:

List Current Degree/Certificate Outcomes: (REQUIRED whether or not Outcomes are changing)

Sample

Current Degree/Certificate Outcome
<ul style="list-style-type: none">• Develop JavaScript extensions to web pages• Upload, test and deploy web pages containing JavaScript

Current Degree/Certificate Outcome
<ul style="list-style-type: none">• This new option, being an EET option will align with the EET outcomes but in the specific field. Therefore:

-
- Upon completion of the Renewable Energy option, graduates will have a good understanding of the basic principles of design/manufacturing/operation of renewable energy engineering technology and apply those principles to a wide variety of renewable systems.

Does Revision involve changing Degree/Certificate Outcomes?

☐ No ☒ Yes

If Yes, list proposed outcomes:

Proposed Degree/Certificate Outcome
<ul style="list-style-type: none"> • Qualify for employment in the renewable energy field as technicians • Install, service, repair renewable energy systems, and perform technician work in the manufacturing area of renewable systems by applying knowledge of electrical, electronics, mechanical, control systems and hydraulics/pneumatics concepts. • Apply knowledge of electrical, electronics, mechanical, control systems and hydraulics/pneumatics concepts when assisting engineers with the design of renewable systems. • Communicate effectively both at the individual level and within team settings. • Understand the impact of renewable energy within the context of sustainability and apply sustainability concepts to their practice • Apply ethical and professional practice within the field of renewable energy • Achieve success in continuing their education towards completion of a four-year degree in engineering technology or engineering.

For Certificates, does Revision involve changing Related Instruction?

☒ No ☐ Yes

If Yes, Fill out Template for Related Instruction

(<http://www.pcc.edu/resources/academic/eac/degree/forms.html>).

All candidates for the Associate of Applied Science degree must complete 16 credits of General Education, 8 of which can be specified by the department issuing the degree. The 16 credits must include at least 1 course, with no more than 8 credits from the following three categories:

1. Arts and Humanities
2. Mathematics, Natural and Physical sciences, Social Science
3. Social Science

Does Revision involve changing coursework requirements?

☐ No ☒ Yes

If Yes, please list **ALL** current and proposed coursework:

Sample

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

Current

Course Number	Course Title	Credit
EET 111	Electric Circuit Analysis I	5
EET 121	Digital Systems I	3

MTH111C	College Algebra	5
CS 133U	Introduction to C	4
EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	3
MTH 112	Elementary Functions	5
EET 188	Industrial Safety	1
	Gen Ed: Social Science	4
EET 113	Electrical Power	5
EET 123	Digital Systems III	5
EET 110	Introduction to Sustainability/Renewable Energy	3
EET 178	PC Architecture for Tech	4
PHY 201	General Physics	4
EET 221	Semiconductor Devices	5
EET 241	Microcomputer Systems	4
PHY 202	General Physics	4
CMET 213	Fluid Mechanics	3
EET 222	Op-Amp Circuits	5
EET 254	Seminar	1
EET 255	Industrial Control Systems	4
	Gen Ed: Arts and Letters	4
ELT 125	Basic PLC	2
ELT 126	Intermediate PLC	2
ELT 225	Advanced PLC	2
	RES Electives	3
EET 223	RF Communication	5
EET 256/ 280A	Capstone Project/CE: Electronic Engineering Tech	2
EET 242	Microcontroller Systems	4
	Approved RES Electives: MT 101/102/104; EET 271-Wind Power; RET 122 Wind Mechanical Systems; other RE classes under development at PCC	

Proposed

Course Number	Course Title	Credit
EET 111	Electric Circuit Analysis I	5
EET 101	Intro to Electronic Testing Equipment/Soldering/Tools	1
EET 121	Digital Systems I	3
MTH111C	College Algebra	5
CS 133U/CS 161	Introduction to C/Computer Science I	4
EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	3
MTH 112	Elementary Functions	5
EET 188	Industrial Safety	1
	Gen Ed: Social Science	4
EET 113	Electrical Power	5
EET 123	Digital Systems III	5
EET 110	Introduction to Renewable Energy	3
EET 178	PC Architecture for Tech	4
PHY 201	General Physics	4
EET 221	Semiconductor Devices	5
EET 241	Microcomputer Systems	4
PHY 202	General Physics	4
CMET 213	Fluid Mechanics	3
EET 222	Op-Amp Circuits	5
EET 254	Seminar	1

EET 255	Industrial Control Systems	4
	Gen Ed: Arts and Letters	4
ELT 125	Basic PLC	2
ELT 126	Intermediate PLC	2
ELT 225	Advanced PLC	2
	RES Electives	3
EET 223	RF Communication	5
EET 256/ 280A	Capstone Project/CE: Electronic Engineering Tech	2
EET 242	Microcontroller Systems	4
	Approved RES Electives: MT 101/102/104; EET 269-Wind Power; RET 122 Wind Mechanical Systems; other RE classes under development at PCC	

Total Number of Credits in Degree/Certificate:

Current Credits: 106

Proposed Credits: 107

Contact Information:

Submitted by: sanda williams

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

Next Steps:

- Save completed Associate of Applied Science/Certificate Revision Request Form and Submit as an email attachment to curriculum@pcc.edu.
 - If needed, attach Related Instruction Form (<http://www.pcc.edu/resources/academic/eac/degree/forms.html>) to the same email.
- Download and print Associate of Applied Science/Certificate Revision Signature Page Form (<http://www.pcc.edu/resources/academic/eac/degree/forms.html>) and get the appropriate signatures.
- Staple signed Associate of Applied Science/Certificate Revision Signature Page Form to a hard copy of Associate of Applied Science/Certificate Revision Request Form (electronic version has already been sent in Step 1). Send both forms to Curriculum Office, Rock Creek Campus, Building 5, Room 114 via campus mail.

EET: Renewable Energy Systems Current			EET: Renewable Energy Systems Proposed		
EET 111	Electric Circuit Analysis I	5	EET 101	Intro to Electronic Testing/Equip	1
EET 121	Digital Systems I	3	EET 111	Electric Circuit Analysis I	5
MTH111C	College Algebra *	5	EET 121	Digital Systems I	3
CS 133U	Introduction to C	4	MTH 111B	College Algebra * or	5
EET 112	Electric Circuit Analysis II	5	MTH111C	College Algebra *	
EET 122	Digital Systems II	3	CS 133U	Introduction to C	4
MTH 112	Elementary Functions*	5	EET 112	Electric Circuit Analysis II	5
EET 188	Industrial Safety	1	EET 122	Digital Systems II	3
	Gen Ed: Social Science	4	MTH 112	Elementary Functions*	5
EET 113	Electrical Power	5	EET 188	Industrial Safety	1
EET 123	Digital Systems III	5		Gen Ed: Social Science	4
EET 110	Intro to Sustainability/Renewable Energy	3	EET 113	Electrical Power	5
EET 178	PC Architecture for Tech	4	EET 123	Digital Systems III	5
PHY 201	General Physics*	4	EET 110	Intro to Sustainability/Renewable Energy	3
EET 221	Semiconductor Devices	5	EET 178	PC Architecture for Tech	4
EET 241	Microcomputer Systems	4	PHY 201	General Physics*	4
PHY 202	General Physics *	4	EET 221	Semiconductor Devices	5
CMET 213	Fluid Mechanics	3	EET 241	Microcomputer Systems	4
EET 222	Op-Amp Circuits	5	PHY 202	General Physics *	4
EET 254	Seminar	1	CMET 213	Fluid Mechanics	3
EET 255	Industrial Control Systems	4	EET 222	Op-Amp Circuits	5
	General Educations Arts and Letters	4	EET 254	Seminar	1
ELT 125	Basic PLC	2	EET 255	Industrial Control Systems	4
ELT 126	Intermediate PLC	2		General Educations Arts and Letters	4
ELT 225	Advanced PLC	2	ELT 125	Basic PLC	2
	RES Electives	3	ELT 126	Intermediate PLC	2

EET 223	RF Communication	5	ELT 225	Advanced PLC	2
EET 256/ 280A	Capstone Project/CE: EET	2		RES Electives	3
EET 242	Microcontroller Systems	4	EET 223	RF Communication	5
	Total	106	EET 256/ 280A	Capstone Project/CE: EET	2
			EET 242	Microcontroller Systems	4
				Total	107

*Could be used as Gen Ed

PORTLAND COMMUNITY COLLEGE

Associate of Applied Science/Certificate Revision Request Form

Current Degree/Certificate Title: Renewable Energy Systems Certificate

Proposed Degree/Certificate Title:

Reason for Revision:

1. Align outcomes with the format required by PCC.
2. Addition of EET 101 for 1 credit.

Request Implementation Term: Winter 2010

List Current Degree/Certificate Prerequisites:

Sample

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

Current

Course Number	Course Title	Credit
	Completion of WR 121 and Placement in MTH 95	

Does Revision involve changing Degree/Certificate Prerequisites?

☒ No ☐ Yes

If Yes, please list proposed prerequisites:

Proposed

Course Number	Course Title	Credit
	Completion of WR 121 and Placement in MTH 95.	

Does Revision impact PCC Core Outcomes which Degree and/or Certificates support?

☒ No ☐ Yes

If Yes, explain:

List Current Degree/Certificate Outcomes: (REQUIRED whether or not Outcomes are changing)

Sample

Current Degree/Certificate Outcome
<ul style="list-style-type: none">• Develop JavaScript extensions to web pages• Upload, test and deploy web pages containing JavaScript

Current Degree/Certificate Outcome
<ul style="list-style-type: none">• This new option, being an EET option will align with the EET outcomes but in the specific field. Therefore:•• Upon completion of the Renewable Energy option, graduates will have a good understanding of the basic principles of design/manufacturing/operation of renewable energy engineering technology and apply those principles to a wide

variety of renewable systems.

Does Revision involve changing Degree/Certificate Outcomes?

☐ No ☒ Yes

If Yes, list proposed outcomes:

Proposed Degree/Certificate Outcome
<ul style="list-style-type: none">• Qualify for employment in the renewable energy field as entry level operators• Assist technicians with installation, repair, servicing, and manufacturing of renewable systems by applying basic knowledge of electrical, electronics, mechanical, and hydraulics/pneumatics concepts.• Communicate effectively both at the individual level and within team settings.• Understand the impact of renewable energy within the context of sustainability and apply sustainability concepts to their practice• Apply ethical and professional practice within the field of renewable energy• Achieve success in continuing their education towards completion of an AAS degree in engineering technology

For Certificates, does Revision involve changing Related Instruction?

☒ No ☐ Yes

If Yes, Fill out Template for Related Instruction

(<http://www.pcc.edu/resources/academic/eac/degree/forms.html>).

All candidates for the Associate of Applied Science degree must complete 16 credits of General Education, 8 of which can be specified by the department issuing the degree. The 16 credits must include at least 1 course, with no more than 8 credits from the following three categories:

1. Arts and Humanities
2. Mathematics, Natural and Physical sciences, Social Science
3. Social Science

Does Revision involve changing coursework requirements?

☐ No ☒ Yes

If Yes, please list **ALL** current and proposed coursework:

Sample

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

Current

Course Number	Course Title	Credit
EET 111	Electric Circuit Analysis I	5
EET 121	Digital Systems I	3
MTH111C	College Algebra	5
EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	3
MTH 112	Elementary Functions	5
EET 188	Industrial Safety	1
	Gen Ed: Social Science	4
EET 113	Electrical Power	5

EET 110	Introduction to Sustainability/Renewable Energy	3
	RES Electives	3
	Certificate Prereqs: WR 121 and placement in MTH 95	

Proposed

Course Number	Course Title	Credit
EET 111	Electric Circuit Analysis I	5
EET 101	Intro to Electronic Testing Equipment/Soldering/Tools	1
EET 121	Digital Systems I	3
MTH111C	College Algebra	5
EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	3
MTH 112	Elementary Functions	5
EET 188	Industrial Safety	1
	Gen Ed: Social Science	4
EET 113	Electrical Power	5
EET 110	Introduction to Renewable Energy	3
	RES Electives	3
	Certificate Prereqs: WR 121 and placement in MTH 95	

Total Number of Credits in Degree/Certificate:

Current Credits: 42

Proposed Credits: 43

Contact Information:

Submitted by: sanda williams

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

Next Steps:

- Save completed Associate of Applied Science/Certificate Revision Request Form and Submit as an email attachment to curriculum@pcc.edu.
 - If needed, attach Related Instruction Form (<http://www.pcc.edu/resources/academic/eac/degree/forms.html>) to the same email.
- Download and print Associate of Applied Science/Certificate Revision Signature Page Form (<http://www.pcc.edu/resources/academic/eac/degree/forms.html>) and get the appropriate signatures.
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Renewable Energy Certificate Current			Renewable Energy Certificate Proposed		
EET 111	Electric Circuit Analysis I	5	EET 111	Electric Circuit Analysis I	5
EET 121	Digital Systems I	3	EET 121	Digital Systems I	3
MTH111C	College Algebra	5	MTH111C	College Algebra	5
EET 112	Electric Circuit Analysis II	5	EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	3	EET 122	Digital Systems II	3
MTH 112	Elementary Functions	5	MTH 112	Elementary Functions	5
EET 188	Industrial Safety	1	EET 188	Industrial Safety	1
EET 113	Electrical Power	5	EET 113	Electrical Power	5
EET 110	Introduction to Sustainability/Renewable Energy	3	EET 110	Introduction to Sustainability/Renewable Energy	3
	RES Electives	3		RES Electives	3
	General Education: Social Science	4		General Education: Social Science	4
	Total	42	EET 101	Intro to Electronic Testing Equip (ADD)	1
				Total	43

PORTLAND COMMUNITY COLLEGE

Associate of Applied Science/Certificate Revision Request Form

Current Degree/Certificate Title: Electronic Engineering Technology Certificate

Proposed Degree/Certificate Title:

Reason for Revision:

Include EET 101 and aligning outcomes format with the format required by PCC.

Request Implementation Term: Winter 2010

List Current Degree/Certificate Prerequisites:

Sample

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

Current

Course Number	Course Title	Credit
	Placement in MTH 95 and WR 115	

Does Revision involve changing Degree/Certificate Prerequisites?

☒ No ☐ Yes

If Yes, please list proposed prerequisites:

Proposed

Course Number	Course Title	Credit
	Placement in MTH 95 and WR 115	

Does Revision impact PCC Core Outcomes which Degree and/or Certificates support?

☒ No ☐ Yes

If Yes, explain:

List Current Degree/Certificate Outcomes: (REQUIRED whether or not Outcomes are changing)

Sample

Current Degree/Certificate Outcome
<ul style="list-style-type: none">Develop JavaScript extensions to web pagesUpload, test and deploy web pages containing JavaScript

Current Degree/Certificate Outcome
Upon satisfactory completion of the EET Program the student should be able to: 1. Read and understand electronic circuit schematic diagrams and identify electronic components and have a basic knowledge of their operating characteristics. 2. Use basic electronic instruments such as the digital multi-meter, oscilloscope, function generator, and spectrum analyzer to measure and analyze the performance of

electronic circuits.

3. Use computer applications such as word processors, spreadsheets, circuit simulators, and data acquisition.
4. Use a scientific calculator to solve electronic circuit problems.
5. Apply basic electronic theory, math, and physics to measure and analyze the performance of electronic circuits. Be able to find and solve problems in electronic circuits.
6. Communicate effectively and work individually and as a team member.
7. Continue training on the job, at an educational institution, or engage in self-learning.
8. Obtain employment in the electronics industry.
9. Transfer to a 4-year BSEET program at schools such as the OIT.

Does Revision involve changing Degree/Certificate Outcomes?

☐ No ☒ Yes

If Yes, list proposed outcomes:

Proposed Degree/Certificate Outcome
<ul style="list-style-type: none">• Qualify for employment in the electrical/electronics field as entry level operators• Assist technicians with installation/repair/servicing/manufacturing of the electrical and electronics by applying basic knowledge of electrical, electronics, and programming concepts• Communicate effectively both at the individual level and within team settings.• Apply ethical and professional practice within the field of electrical/electronics• Achieve success in continuing their education towards completion of an AAS degree in engineering technology

For Certificates, does Revision involve changing Related Instruction?

☒ No ☐ Yes

If Yes, Fill out Template for Related Instruction

(<http://www.pcc.edu/resources/academic/eac/degree/forms.html>).

All candidates for the Associate of Applied Science degree must complete 16 credits of General Education, 8 of which can be specified by the department issuing the degree. The 16 credits must include at least 1 course, with no more than 8 credits from the following three categories:

1. Arts and Humanities
2. Mathematics, Natural and Physical sciences, Social Science
3. Social Science

Does Revision involve changing coursework requirements?

☐ No ☒ Yes

If Yes, please list **ALL** current and proposed coursework:

Sample

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

Current

Course Number	Course Title	Credit
EET 111	Electric Circuit Analysis I	5
EET 121	Digital Systems I	3
MTH 111C	College Algebra	5
WR 121	English Composition	4
EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	3
EET 188	Industrial Safety	1
MTH 112	Elementary Functions	5
	Gen Ed–Arts and Humanities	4
EET 113	Electric Circuit Analysis III	5
EET 123	Digital Systems III	5
EET 178	PC Architecture for Tech	4
CS 133U/CS 161	Intro to C/ Computer Science I	4

Proposed

Course Number	Course Title	Credit
EET 111	Electric Circuit Analysis I	5
EET 101	Intro to Electronic Testing Equipment/Soldering/Tools	1
EET 121	Digital Systems I	3
MTH 111C	College Algebra	5
WR 121	English Composition	4
EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	3
EET 188	Industrial Safety	1
MTH 112	Elementary Functions	5
	Gen Ed–Arts and Letters	4
EET 113	Electric Circuit Analysis III	5
EET 123	Digital Systems III	5
EET 178	PC Architecture for Tech	4
CS 133U/CS 161	Intro to C/ Computer Science I	4

Total Number of Credits in Degree/Certificate:

Current Credits: 53

Proposed Credits: 54

Contact Information:

Submitted by: sanda williams

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

Next Steps:

1. a. Save completed Associate of Applied Science/Certificate Revision Request Form and Submit as an email attachment to curriculum@pcc.edu.
b. If needed, attach Related Instruction Form
(<http://www.pcc.edu/resources/academic/eac/degree/forms.html>) to the same email.

2. Download and print Associate of Applied Science/Certificate Revision Signature Page Form (<http://www.pcc.edu/resources/academic/eac/degree/forms.html>) and get the appropriate signatures.
3. Staple signed Associate of Applied Science/Certificate Revision Signature Page Form to a hard copy of Associate of Applied Science/Certificate Revision Request Form (electronic version has already been sent in Step 1). Send both forms to Curriculum Office, Rock Creek Campus, Building 5, Room 114 via campus mail.

EET Certificate: Current			EET Certificate: Proposed		
First Term			First Term		
EET 111	Electrical Circuit Analysis I	5	EET 111	Electrical Circuit Analysis I	5
EET 121	Digital Systems I	3	EET 121	Digital Systems I	3
MTH 111C		5	MTH 111C	College Algebra	5
WR 121	English Composition	4	WR 121	English Composition	4
Second Term			Second Term		17
EET 112	Electrical Circuit Analysis II	5	EET 112	Electrical Circuit Analysis II	5
EET 122	Digital Systems II	3	EET 122	Digital Systems II	3
EET 188	Industrial Safety	1	EET 188	Industrial Safety	1
MTH 112	Elementary Functions	5	MTH 112	Elementary Functions	5
Social Science Electives		4	General Education Social Science Electives		4
Third Term			Third Term		18
EET 113	Electrical Circuit Analysis III	5	EET 113	Electrical Circuit Analysis III	5
EET 123	Digital Systems III	5	EET 123	Digital Systems III	5
EET 178	PC Architecture for Technicians	4	EET 178	PC Architecture for Technicians	4
CS 133U	Introduction to C 1	4	CS 133U	Introduction to C 1	4
1 CS 161 may be substituted (required by OIT)			EET 101	Intro to Electronic Testing Equip (ADD)	1
					19
	Total	53		Total	54

Template for Related Instruction in Certificates

1 Year Certificate		Emergency Medical Technician			Related instruction Hours in:			
Enter course information in light yellow areas (totals will be automatically calculated)								
Subject Code	Course Number	Course Title	Credits	Hours	Computation	Communication	Human Relation	Total RI
<i>Example: BKT</i>	101	Basket Weaving Basics	3	90	6	12	8	26
EMT	100	Introduction to EMS	3	90				No RI
EMT	105	EMT Basic Part 1	5	150	20			20
EMT	106	EMT Basic Part 2	5	150	24			24
EMT	113	Em Resp Communications	2	60				No RI
EMT	114	Em Resp Transportation	2	60	6			6
EMT	115	Crisis Intervention	3	90				No RI
EMT	116	EMT Rescue	3	90	6			6
EMT	118	Medical Terminology	3	90				No RI
				0				No RI
				0				No RI
				0				No RI
				0				No RI
				0				No RI
				0				No RI
				0				No RI
				0				No RI
Totals			26	780	56	0	0	56
Minimum for 1 yr certificate:					54	54	54	270
Remaining to meet Min. Requirement:					0	54	54	214

Template for Related Instruction in Certificates

2 Year Certificate AUTOMOTIVE SERVICE TECHNOLOGY Enter course information in light yellow areas (totals will be automatically calculated)					Related instruction Hours in:			
Subject Code	Course Number	Course Title	Credits	Hours	Computation	Communication	Human Relation	Total RI
<i>Example: BKT</i>	101	<i>Basket Weaving Basics</i>	3	90	6	12	8	26
AM	108	Intro to Automotive	4	120.00	15.00	6.00	15.00	36.00
AM	101	Engine Repair	4	120.00	9.00	2.00	30.00	41.00
AM	102	Electrical Systems I	4	120.00	15.00	2.00	15.00	32.00
AM	112	Electrical Systems II	4	120.00	3.00	2.00	15.00	20.00
AM	105	Brake Systems I	4	120.00	6.00	2.00	15.00	23.00
AM	115	Brake Systems II	4	120.00	3.75	11.25	22.50	37.50
AM	104	Steering and Suspension Systems I	4	120.00	3.00	2.00	15.00	20.00
AM	114	Steering and Suspension Systems II	4	120.00	4.00	11.25	22.50	37.75
AM	103	Engine Performance I	4	120.00	6.00		15.00	21.00
AM	113	Engine Performance II	4	120.00	6.00		15.00	21.00
AM	123	Engine Performance III	4	120.00	6.00		15.00	21.00
AM	133	Engine Performance IV	4	120.00	6.00		15.00	21.00
AM	122	Electrical Systems III	4	120.00	3.75	13.25	22.50	39.50
AM	143	Engine Performance V	4	120.00	3.75	11.25	22.50	37.50
AM	153	Engine Performance VI	4	120.00	4.00	13.25	22.50	39.75
AM	106	Heating & Air Conditioning	4	120.00	3.75	11.25	22.50	37.50
AM	107	Manual Transmissions I	4	120.00	3.00	3	15.00	21.00
AM	117	Manual Transmissions II	4	120.00	3.75	13	22.50	39.50
AM	127	Auto Trans./Tansaxle I	4	120.00	3.00	1.00	15.00	19.00
AM	137	Auto Trans./Tansaxle II	4	120.00	3.75	11	22.50	37.50
AM	280A	Automotive Service Co-Op	8	240.00	1.00	4	8.00	13.00
CG	209	Job Finding Skills	1	30.00		6	2.00	8.00
				0.00				No RI
				0.00				No RI
Totals			89	2670	114.00	126.00	385.00	623.5
Minimum for 2 yr certificate:					108	108	108	540