

**Degrees and Certificates Agenda
June 5th, 2013
Downtown Center, Third Floor
2pm to 4pm**

Old Business:

Review April 10th, 2013 minutes

Discussion Items:

EAC Report: Susanne Christopher

DOI Report: Cheryl Scott

Curriculum Office Report: Anne Haberkern

CIC Report: Janeen Hull, Phil Christian

Focus Award Guidelines

Math Sequencing

New Business:

2:15 Revision: Aviation Science Airplane AAS: Larry Altree

Adding two courses, removing three courses, elective credit increase.

Revision: Aviation Science Airplane with Flight Instructor AASO: Larry Altree

Adding two courses, removing four courses, course credit increase, elective credit increase.

Revision: Aviation Science Helicopter AAS: Larry Altree

Adding two courses, removing four courses, course credit increase, elective credit increase.

2:25 Revision: Building Construction Technology: Residential Building Construction AAS: Bob Steele

Adding two courses, removing one course, degree title change, course term change, credit total increase.

Revision: Building Construction Technology: Remodeling AAS: Bob Steele

Adding two courses, removing four courses, degree title change, new CAD electives list, credit total reduction.

2:35 Revision: Biology and Management of Zoo Animals AAS: Joyce Kaplan

Course credit increase, removing one course, course title change, course term changes.

2:45 Revision: Emergency Management Certificate: Carol Bruneau

Removing one course, adding four courses, elective credit decrease, course title changes, course prerequisite changes, outcomes, related instruction, credit total increase.

2:55 Revision: Fitness Technology AAS: Tanya Littrell

Adding one course, elective credit decrease.

Revision: Fitness Technology One Year Certificate: Tanya Littrell

Adding one course, elective credit decrease

Revision: Fitness Technology: Healthy Older Adult Fitness CPCC: Tanya Littrell

3:05 Revision: TBCC: Industrial Maintenance Technology AAS: Lori Gates

Adding five courses, removing two courses, course credit increase, course title change, elective credit decrease, credit total increase.

Revision: TBCC: Industrial Maintenance Technology One Year Certificate: Lori Gates

Adding four courses, removing four courses, course credit increase, credit total increase, related instruction.

Revision: TBCC: Industrial Maintenance Technology CPCC: Lori Gates

Adding two courses, removing three courses, course credit increase, credit total decrease.

3:15 Revision: Landscape Technology: Construction AAS: Elizabeth Brewster

Adding one course, removing one course.

Revision: Landscape Technology: Design AAS: Elizabeth Brewster

Removing one course, credit total reduction.

Revision: Landscape Technology: Management AAS: Elizabeth Brewster

Removing one course, credit total reduction.

Revision: LAT: Environmental Landscape Management Technology AAS: Elizabeth Brewster

Removing one course, increasing elective credit.

3:25 Revision: Education: Library Media Assistant Certificate: Lori Wamsley

Outcomes, prerequisites, adding fourteen courses, removing eight courses, course title changes, adding electives list, degree title change.

3:35 Revision: Ophthalmic Medical Technology AAS: Joanne Harris

Adding one course, course credit increases, course term change, credit total increase.

3:45 NEW: Lactation Consultant Certificate: Alissa Leavitt

NEW: Lactation Education Certificate: Alissa Leavitt

Consent Agenda:

Business Administration: Adding BA 209 to Business Program Electives and Nonprofit Community Development certificate electives.

Computer Information Systems: Adding CIS 287X to the CIS Network Administration Degree Electives.

Facilities Maintenance Technology: Adding several courses to the FMT Electives list.

Fire Protection Technology: Adding FP 291 to Fire Protection Electives. Removing FP 243, 245, 248, 260, 293, 294 from Fire Protection Electives.

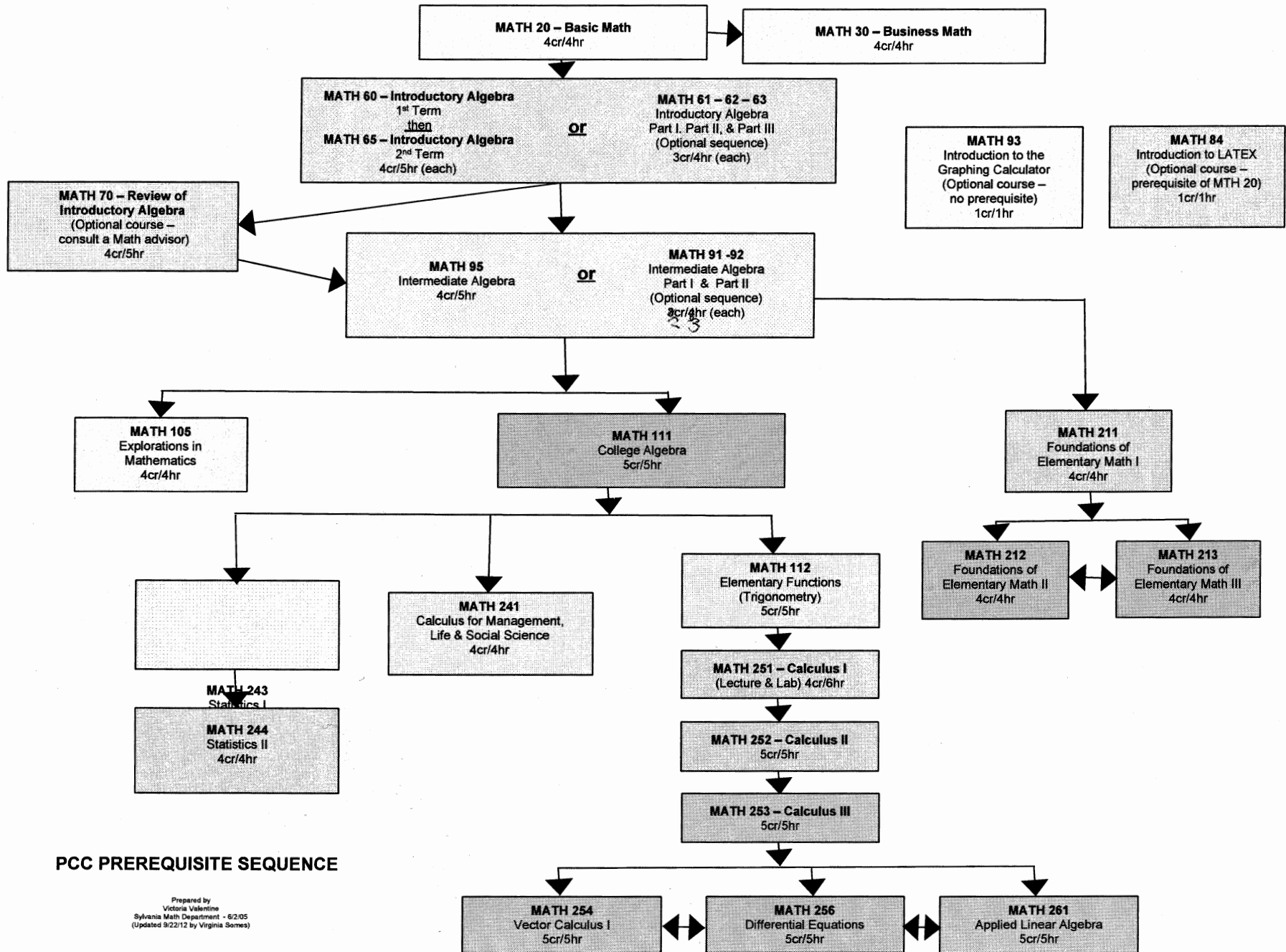
Interior Design: GRN 282 increased by one credit which increased the credit total of the Design for Accessibility and Aging in Place Certificate from 49 to 50.

Multimedia: Adding Art 240, CAS 275, 181W, 181D, 181J to "MM Support Electives."

Welding: Adding WLD 126B, 136A, 136B, 146A, 146B, 156A, 156B, 166A, 166B, 176A, 176B, 186A, 186B, 190A, 190B, 190C, 236A, 236B, 246A, 246B, 256A, 256B, 266A, 276A, 276B, 286A, and 286B to Welding Electives with a new rule "Note: A maximum of 6 credits from courses with a letter designation after them (such as 126B, 136A) may be used towards completion of the 12 credit elective requirement. The Welding Department Chair may allow exceptions to this rule."

Civil and Mechanical Engineering: Changing both to limited-entry programs.

Portland Community College SEQUENCE OF MATH COURSES



PCC PREREQUISITE SEQUENCE



ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM

**Directions: Fill out completely and
return electronically to:**
dac@pcc.edu
Signature pages should be intercampus mailed to:
 Curriculum Office DC / 4th floor

SECTION # 1 OVERVIEW

Current Title:	Aviation Science Airplane	Proposed Title:	No Change
Current Credits:	90	Proposed Credits:	90
Overview and rationale for proposed changes:	<p>Separate "Ground" courses that covered FAA knowledge areas are being eliminated and the subject matter moved to the appropriate "Flight" course to allow for a more integrated approach to the FAA certificate portion of the program. Some flight courses require an increase in credit hours to accommodate the new material and outcomes.</p> <p>This makes room for the creation of two new AVS courses: AVS-177 Pilot Human Factors and Safety Management, and AVS-217 Aviation Weather Services. Enough approved elective credits have been added to keep total credits at 90.</p>		
List of specific changes being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc). Use simple text such as Add, Remove, Change, Revise to inform the reader of the changes desired.	<ol style="list-style-type: none"> 1. Elimination of the following courses: <ol style="list-style-type: none"> a. AVS-120 Airplane Private Ground (4 credits) b. AVS-130 Instrument Ground (4 credits) c. AVS-140 Airplane Commercial Ground (4 credits) 2. Two new courses: <ol style="list-style-type: none"> a. AVS-177 Pilot Human Factors and Safety Management b. AVS-217 Aviation Weather Services 3. Increase approved electives credits to 9 credits 		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	

SECTION # 2 PREREQUISITES AND OUTCOMES

All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.

Current Prerequisites	Does the revision involve changing degree prerequisites?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Course Number	Course Title or Placement level		
Proposed Prerequisites			
Course Number	Course Title or Placement level		

Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing degree outcomes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.		
Degree Outcome		Core Outcome
<i>Students who complete this degree should be able to:</i>		
<ul style="list-style-type: none"> Exercise the privileges of the FAA certificates appropriate to the pilot career that they seek: <ul style="list-style-type: none"> ➤ Commercial Pilot certificate with airplane single- and multi-engine and instrument ratings. 		Critical Thinking and Problem Solving Professional Competence
<ul style="list-style-type: none"> Use knowledge and understanding of pilot industry trends, positions and operations gained in the Aviation Science program to: Implement a career plan; make informed career decisions; pursue the position of their choice in the aviation industry; and identify additional opportunities for advancement including advanced degrees and training to remain competitive in the pilot industry. 		Community/Env Responsibility Critical Thinking/Prob solving Cultural Awareness Self-Reflection
<ul style="list-style-type: none"> Research, interpret and evaluate the following prior to each flight such that the safe, efficient and legal outcome of a flight in never in doubt: <ul style="list-style-type: none"> ➤ Pilot self-assessment of fitness, proficiency and ability. ➤ Aircraft airworthiness and capabilities. ➤ Environmental conditions. ➤ Other operational considerations. 		Communication Critical Thinking/Prob solving Professional Competence
<ul style="list-style-type: none"> Communicate clearly and concisely, both verbally and in writing, with fellow pilots, employers and the aviation community. 		Communication Cultural Awareness
<ul style="list-style-type: none"> Accurately performs calculations as required for flight operations and company records. 		Professional Competence Critical Thinking/Prob Solving
<ul style="list-style-type: none"> Operates aircraft consistent with an understanding of its impact on the environment, the community and the economic success of the company that employs them. 		Community/Environ Responsibility Critical Thinking/Prob Solving Professional Competence
<ul style="list-style-type: none"> Show respect for all individuals regardless of race, religion, cultural background, economic background or other differences. 		Cultural Awareness Community / Environ Responsibility
Revised Outcomes: Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.		
Degree Outcome		Core Outcome
<i>Students who complete this degree should be able to:</i>		
No Changes		

SECTION # 3 COURSE BY COURSE COMPARISON

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	COURSE TITLE	CREDITS	COURSE NUMBER	COURSE TITLE	CREDITS
AVS-107	Flight Prep Lab I	3 (taken 3 times, 1 cr ea)	AVS-107	Flight Prep Lab I	3 (taken 3 times, 1 cr ea)
AVS-120	Airplane Private Ground	4 Remove	AVS-125	Airplane Private Flight	5 Increase Credit
AVS-125	Airplane Private Flight	4	AVS-127	Introduction to Aviation	4
AVS-127	Introduction to Aviation	4	AVS-135	Airplane Instrument Flight	4 Increase Credit
AVS-130	Instrument Ground	4 Remove	AVS-137	Applied Aerodynamics	4
AVS-135	Airplane Instrument Flight	3	AVS-145	Airplane Intro to Comm Flight	4 Increase Credit
AVS-137	Applied Aerodynamics	4	AVS-157	Aircraft Systems: Airframe	3
AVS-140	Airplane Commercial Ground	4 Remove	AVS-167	Aircraft Systems: Powerplant	3
AVS-145	Airplane Intro to Comm Flight	3	AVS-177	Pilot Human Factors	4 ADD
AVS-157	Aircraft Systems: Airframe	3	AVS-207	Flight Prep Lab II	3 (taken 3 times, 1 cr ea)
AVS-167	Aircraft Systems: Powerplant	3	AVS-217	Aviation Weather Services	4 ADD
AVS-207	Flight Prep Lab II	3 (taken 3 times, 1 cr ea)	AVS-225	Airplane Commercial Flight	4
AVS-225	Airplane Commercial Flight	4	AVS-227	Aviation Careers	4
AVS-227	Aviation Careers	4	AVS-237	Aviation Laws and Regulations	4
AVS-237	Aviation Laws and Regulations	4	AVS-255	Airplane: Pilot Performance	1
AVS-255	Airplane: Pilot Performance	1	AVS-267	Economics of Flight Ops	4
AVS-267	Economics of Flight Ops	4	AVS-275	Airplane: Professional Pilot	3
AVS-275	Airplane: Professional Pilot	3	GS-109	Meteorology	4(counts towards gen ed)
GS-109	Meteorology	4 (counts towards gen ed)			
WR-121	English Composition	4	WR-121	English Composition	4
	General Education	12		General Education	12
	Approved Electives	8		Approved Elective	9
				Note: No change to approved elective list.	
	Credit Total	90		Credit Total	90

SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)			
Is this a statewide degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Has the change been approved by the consortium?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is this a degree option?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name of the base degree:	
Are there any career pathway(s) or related certificates attached to this degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name of career pathway(s) or related certificate	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)			

Submitted By:	Larry Altree
Email:	laltree@pcc.edu

Next steps:

1. Save the completed Associate of Applied Science Revision Request Form and submit as an e-mail attachment to dac@pcc.edu.
2. Download and print the Associate of Applied Science Revision Signature Page Form and obtain the appropriate signatures.
3. Staple the signed Associate of Applied Science Signature Page Form to a hard copy of the Associate of Applied Science Revision Request Form (electronic version has already been sent in step one). Send both forms to Curriculum Office, Downtown Center, DC - 4th floor via campus mail.



ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM

**Directions: Fill out completely and
return electronically to:**
dac@pcc.edu
Signature pages should be intercampus mailed to:
 Curriculum Office DC / 4th floor

SECTION # 1 OVERVIEW

Current Title:	Aviation Science Airplane with Flight Instructor	Proposed Title:	No Change
Current Credits:	90	Proposed Credits:	No Change
Overview and rationale for proposed changes:	<p>Separate “Ground” courses that covered FAA knowledge areas are being eliminated and the subject matter moved to the appropriate “Flight” course to allow for a more integrated approach to the FAA certificate portion of the program. Some flight courses require an increase in credit hours to accommodate the new material and outcomes.</p> <p>This makes room for the creation of two new AVS courses: AVS-177 Pilot Human Factors and Safety Management, and AVS-217 Aviation Weather Services. Enough approved elective credits have been added to keep total credits at 90.</p>		
List of specific changes being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc). Use simple text such as Add, Remove, Change, Revise to inform the reader of the changes desired.	<ol style="list-style-type: none"> 1. Elimination of the following courses: <ol style="list-style-type: none"> a. AVS-120 Airplane Private Ground (4 credits) b. AVS-130 Instrument Ground (4 credits) c. AVS-140 Airplane Commercial Ground (4 credits) d. AVS-230 Airplane CFI Ground 2. Two new courses: <ol style="list-style-type: none"> a. AVS-177 Pilot Human Factors and Safety Management b. AVS-217 Aviation Weather Services 3. Increase approved electives credits to 6 credits 4. Increase credit for the following courses: AVS-125, AVS-135, AVS- 145, AVS-236, AVS-244. 		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was	

		contacted.	
SECTION # 2 PREREQUISITES AND OUTCOMES All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.			
Current Prerequisites	Does the revision involve changing degree prerequisites?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Course Number	Course Title or Placement level		
Proposed Prerequisites			
Course Number	Course Title or Placement level		
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing degree outcomes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.			
Degree Outcome		Core Outcome	
<i>Students who complete this degree should be able to:</i>			
<ul style="list-style-type: none"> Exercise the privileges of the FAA certificates appropriate to the pilot career that they seek: <ul style="list-style-type: none"> ➤ Commercial Pilot certificate with airplane single- and multi-engine and instrument airplane ratings. ➤ Flight Instructor certificate with airplane single- and multi-engine and instrument airplane ratings 		Critical Thinking and Problem Solving Professional Competence	
<ul style="list-style-type: none"> Use knowledge and understanding of pilot industry trends, positions and operations gained in the Aviation Science program to: Implement a career plan; make informed career decisions; pursue the position of their choice in the aviation industry; and identify additional opportunities for advancement including advanced degrees and training to remain competitive in the pilot industry. 		Community/Env Responsibility Critical Thinking/Prob solving Cultural Awareness Self-Reflection	
<ul style="list-style-type: none"> Research, interpret and evaluate the following prior to each flight such that the safe, efficient and legal outcome of a flight in never in doubt: <ul style="list-style-type: none"> ➤ Pilot self-assessment of fitness, proficiency and ability. 		Communication Critical Thinking/Prob solving Professional Competence	

<ul style="list-style-type: none"> ➤ Aircraft airworthiness and capabilities. ➤ Environmental conditions. ➤ Other operational considerations. 	Self-Reflection
<ul style="list-style-type: none"> • Communicate clearly and concisely, both verbally and in writing, with fellow pilots, employers and the aviation community. 	Communication Cultural Awareness
<ul style="list-style-type: none"> • Accurately performs calculations as required for flight operations and company records. 	Professional Competence Critical Thinking/Prob Solving
<ul style="list-style-type: none"> • Operates aircraft consistent with an understanding of its impact on the environment, the community and the economic success of the company that employs them. 	Community/Environ Responsibility Critical Thinking/Prob Solving Professional Competence
<ul style="list-style-type: none"> • Show respect for all individuals regardless of race, religion, cultural background, economic background or other differences. 	Cultural Awareness Community / Environ Responsibility
Revised Outcomes: Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.	
Degree Outcome	Core Outcome
<i>Students who complete this degree should be able to:</i>	
No Changes	

SECTION # 3 COURSE BY COURSE COMPARISON					
List all courses (current AND proposed) in the order that they are distributed in the catalog . If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.					
CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	COURSE TITLE	CREDITS	COURSE NUMBER	COURSE TITLE	CREDITS
AVS-107	Flight Prep Lab I	3 (taken 3 times, 1 cr ea)	AVS-107	Flight Prep Lab I	3 (taken 3 times, 1 cr ea)
AVS-120	Airplane Private Ground	4 Remove	AVS-125	Airplane Private Flight (Increase Credit)	5
AVS-125	Airplane Private Flight	4	AVS-127	Introduction to Aviation	4
AVS-127	Introduction to Aviation	4	AVS-135	Airplane Instrument Flight (Increase Credit)	4
AVS-130	Instrument Ground	4 Remove	AVS-137	Applied Aerodynamics	4
AVS-135	Airplane Instrument Flight	3	AVS-145	Airplane Intro to Comm Flight (Increase Credit)	4
AVS-137	Applied Aerodynamics	4	AVS-157	Aircraft Systems: Airframe	3
AVS-140	Airplane Commercial Ground	4 Remove	AVS-167	Aircraft Systems: Powerplant	3
AVS-145	Airplane Intro to Comm Flight	3	AVS-177	Pilot Human Factors	4 ADD

AVS-157	Aircraft Systems: Airframe	3	AVS-207	Flight Prep Lab II	3 (taken 3 times, 1 cr ea)
AVS-167	Aircraft Systems: Powerplant	3	AVS-217	Aviation Weather Services	4 ADD
AVS-207	Flight Prep Lab II	3 (taken 3 times, 1 cr ea)	AVS-225	Airplane Commercial Flight	4
AVS-225	Airplane Commercial Flight	4	AVS-227	Aviation Careers	4
AVS-227	Aviation Careers	4	AVS-236	Airplane: MEI Flight (Increase Credits)	3
AVS-230	Airplane: CFI Ground	4 REMOVE	AVS-237	Aviation Law and Regulations	4
AVS-236	Airplane: MEI Flight	2	AVS-243	Airplane: SE CFI Ground/Flight	1
AVS-237	Aviation Law and Regulations	4	AVS-244	Airplane: CFII Ground/Flight (Increase Credits)	2
AVS-243	Airplane: SE CFI Ground/Flight	1	AVS-255	Airplane: Pilot Performance	1
AVS-244	Airplane: CFII Ground/Flight	1	AVS-267	Economics of Flight Ops	4
AVS-255	Airplane: Pilot Performance	1	GS-109	Meteorology	4 (counts towards gen ed)
AVS-267	Economics of Flight Ops	4			
GS-109	Meteorology	4 (counts towards gen ed)			
WR-121	English Composition	4	WR-121	English Composition	4
	General Education	12		General Education	12
	Approved Electives	3		Approved Electives	6
				Note: No change to approved elective list.	
	Credit Total	90		Credit Total	90

SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)

Is this a statewide degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Has the change been approved by the consortium?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is this a degree option?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name of the base degree:	
Are there any career pathway(s) or related certificates attached to this degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name of career pathway(s) or related certificate	

Requested Implementation Term
(Please refer to [Degree/Certificate timeline](#) implementation guidelines)

Winter 2014

Submitted By:	Larry Altree
Email:	laltree@pcc.edu

Next steps:

1. Save the completed Associate of Applied Science Revision Request Form and submit as an e-mail attachment to dac@pcc.edu.
2. Download and print the Associate of Applied Science Revision Signature Page Form and obtain the appropriate signatures.
3. Staple the signed Associate of Applied Science Signature Page Form to a hard copy of the Associate of Applied Science Revision Request Form (electronic version has already been sent in step one). Send both forms to Curriculum Office, Downtown Center, DC - 4th floor via campus mail.



**ASSOCIATE OF APPLIED SCIENCE DEGREE
REVISION REQUEST FORM**

**Directions: Fill out completely and
return electronically to:
dac@pcc.edu
Signature pages should be intercampus mailed to:
Curriculum Office DC / 4th floor**

SECTION # 1 OVERVIEW

Current Title:	Aviation Science Helicopter	Proposed Title:	No Change
Current Credits:	90	Proposed Credits:	90
Overview and rationale for proposed changes:	<p>Separate "Ground" courses that covered FAA knowledge areas are being eliminated and the subject matter moved to the appropriate "Flight" course to allow for a more integrated approach to the FAA certificate portion of the program. Some flight courses require an increase in credit hours to accommodate the new material and outcomes.</p> <p>This makes room for the creation of two new AVS courses: AVS-177 Pilot Human Factors and Safety Management, and AVS-217 Aviation Weather Services. Enough approved elective credits have been added to keep total credits at 90.</p>		
List of specific changes being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc). Use simple text such as Add, Remove, Change, Revise to inform the reader of the changes desired.	<ol style="list-style-type: none"> Elimination of the following courses: <ol style="list-style-type: none"> AVS-110 Helicopter Private Ground (4 credits) AVS-130 Instrument Ground (4 credits) AVS-150 Helicopter Commercial Ground (4 credits) AVS-260 Helicopter CFI Ground Two new courses: <ol style="list-style-type: none"> AVS-177 Pilot Human Factors and Safety Management AVS-217 Aviation Weather Services Adding WR-121 to degree Increase approved electives credits to 14 credits Increase credit: AVS-156 		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	

SECTION # 2 PREREQUISITES AND OUTCOMES

All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.

Current Prerequisites	Does the revision involve changing degree prerequisites?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Course Number	Course Title or Placement level		
Proposed Prerequisites			
Course Number	Course Title or Placement level		

Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing degree outcomes? <div style="text-align: center;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </div>
Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.		
Degree Outcome		Core Outcome
<i>Students who complete this degree should be able to:</i>		
<ul style="list-style-type: none"> • Exercise the privileges of the FAA certificates appropriate to the pilot career that they seek: <ul style="list-style-type: none"> ➤ Commercial Pilot Certificate with Rotorcraft Helicopter and optional Instrument Helicopter rating ➤ Flight Instructor Certificate with Rotorcraft Helicopter rating. 		Critical Thinking and Problem Solving Professional Competence
<ul style="list-style-type: none"> • Use knowledge and understanding of pilot industry trends, positions and operations gained in the Aviation Science program to: Implement a career plan; make informed career decisions; pursue the position of their choice in the aviation industry; and identify additional opportunities for advancement including advanced degrees and training to remain competitive in the pilot industry. 		Community/Env Responsibility Critical Thinking/Prob solving Cultural Awareness Self-Reflection
<ul style="list-style-type: none"> • Research, interpret and evaluate the following prior to each flight such that the safe, efficient and legal outcome of a flight is never in doubt: <ul style="list-style-type: none"> ➤ Pilot self-assessment of fitness, proficiency and ability. ➤ Aircraft airworthiness and capabilities. ➤ Environmental conditions. 		Communication Critical Thinking/Prob solving Professional Competence Self-Reflection

<ul style="list-style-type: none"> Communicate clearly and concisely, both verbally and in writing, with fellow pilots, employers and the aviation community. 	Communication Cultural Awareness
<ul style="list-style-type: none"> Accurately performs calculations as required for flight operations and company records. 	Professional Competence Critical Thinking/Prob Solving
<ul style="list-style-type: none"> Operates aircraft consistent with an understanding of its impact on the environment, the community and the economic success of the company that employs them. 	Community/Environ Responsibility Critical Thinking/Prob Solving Professional Competence
<ul style="list-style-type: none"> Show respect for all individuals regardless of race, religion, cultural background, economic background or other differences. 	Cultural Awareness Community / Environ Responsibility
Revised Outcomes: Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.	
Degree Outcome	Core Outcome
<i>Students who complete this degree should be able to:</i>	
No Changes	

SECTION # 3 COURSE BY COURSE COMPARISON

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	COURSE TITLE	CREDITS	COURSE NUMBER	COURSE TITLE	CREDITS
AVS-107	Flight Prep Lab I	2 (taken 2 times, 1 cr ea)	AVS-107	Flight Prep Lab I	2 (taken 2 times, 1 cr ea)
AVS-110	Helicopter Private Ground	4 Remove	AVS-115	Helicopter Private Flight	5
AVS-115	Helicopter Private Flight	5	AVS-127	Introduction to Aviation	4
AVS-127	Introduction to Aviation	4	AVS-137	Applied Aerodynamics	4
AVS-130	Instrument Ground	4 Remove	AVS-156	Helicopter Basic Comm/Instr Flt (Increase Credits)	5
AVS-137	Applied Aerodynamics	4	AVS-157	Aircraft Systems: Airframe	3
AVS-150	Helicopter Commercial Ground	4 Remove	AVS-167	Aircraft Systems: Powerplant	3
AVS-156	Helicopter Basic Comm/Instr Flight	4	AVS-177	Pilot Human Factors (ADD)	4
AVS-157	Aircraft Systems: Airframe	3	AVS-207	Flight Prep Lab II	2 (taken 2 times, 1 cr ea)
AVS-167	Aircraft Systems: Powerplant	3	AVS-216	Helicopter Advanced Comm Flight	5
AVS-207	Flight Prep Lab II	2 (taken 2 times, 1 cr ea)	AVS-217	Aviation Weather Services (ADD)	4
AVS-216	Helicopter Advanced Comm Flight	5	AVS-227	Aviation Careers	4
AVS-227	Aviation Careers	4	AVS-237	Aviation Laws and Regulations	4

AVS-237	Aviation Laws and Regulations	4	AVS-265	Helicopter CFI Flight	3
AVS-260	Helicopter CFI Ground	4 Remove	AVS-267	Economics of Flight Ops	4
AVS-265	Helicopter CFI Flight	3			
AVS-267	Economics of Flight Ops	4			
GS-109	Meteorology	4 (counts towards gen ed)	GS-109	Meteorology	4 (counts towards gen ed)
PHY-101 or PHY-201	Fundamentals of Physics I or General Physics	4 (counts towards gen ed)	PHY-101 or PHY-201	Fundamentals of Physics I or General Physics	4 (counts towards gen ed)
			WR-121	English Composition (add)	4
	General Education	8		General Education	8
	Approved Electives	11		Approved Electives (increase electives)	14
				Note: No change to approved elective list.	
	Credit Total	90		Total	90

SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)

Is this a statewide degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Has the change been approved by the consortium?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is this a degree option?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name of the base degree:	
Are there any career pathway(s) or related certificates attached to this degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name of career pathway(s) or related certificate	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)			Winter 2014

Submitted By:	Larry Altree
Email:	laltree@pcc.edu

Next steps:

1. Save the completed Associate of Applied Science Revision Request Form and submit as an e-mail attachment to dac@pcc.edu.
2. Download and print the Associate of Applied Science Revision Signature Page Form and obtain the appropriate signatures.
3. Staple the signed Associate of Applied Science Signature Page Form to a hard copy of the Associate of Applied Science Revision Request Form (electronic version has already been sent in step one). Send both forms to Curriculum Office, Downtown Center, DC - 4th floor via campus mail.



ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM

**Directions: Fill out completely and
return electronically to:
dac@pcc.edu
Signature pages should be intercampus mailed to:
Curriculum Office DC / 4th floor**

SECTION # 1 OVERVIEW

Current Title:	Building Construction Technology	Proposed Title:	Residential Building Construction
Current Credits:	93	Proposed Credits:	96
Overview and rationale for proposed changes:	The BCT SAC, feels the curriculum changes proposed will better enhance students' knowledge base necessary in current construction industry. Surveying is a special function most students in industry will not physically engage in unless they are a surveyor. It requires very expensive equipment specific technical knowledge. BCT 129 and BCT 229 will provide students a base knowledge of Kitchen and Bath remodeling which is much more likely to be useful than Surveying.		
List of specific changes being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc). Use simple text such as Add, Remove, Change, Revise to inform the reader of the changes desired.	1. ADD. BCT 129, Mechanical Planning for Kitchens and Baths. 2. ADD. BCT 229, Introduction to Kitchens and Baths. 3. DELETE. BCT 101, Principles of Construction Surveying. 4. Proposed title change to Residential Building Construction 5. move: COMM 215 and Electives to different terms 6. Increase # credits required to earn the degree		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	X Yes No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	SHANNON BAIRD AND HILARY CAMPBELL ADVISED AMANDA FERROGIARO OF THIS CHANGE AT A MEETING ON MAY 1 2013, AND WE WILL MEET AGAIN ON MAY 24TH.

SECTION # 2 PREREQUISITES AND OUTCOMES

All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.

Current Prerequisites	Does the revision involve changing degree prerequisites?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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Course Number	Course Title or Placement level	
Proposed Prerequisites		
Course Number	Course Title or Placement level	
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing degree outcomes? <input type="checkbox"/> Yes X No
Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.		
Degree Outcome: <i>Students who complete this degree should be able to:</i>		Core Outcome
<i>Degree Outcomes: Students who complete this degree should be able to:</i>		
<ul style="list-style-type: none"> Safely construct and finish concrete foundation and flatwork systems by interpreting construction documents, estimating costs, ordering materials, and completing projects to industry standards. 		Communication, Critical Thinking and Problem Solving, Professional Competence, Self-Reflection
<ul style="list-style-type: none"> Safely construct various residential floor, wall and roof framing systems by interpreting construction documents, estimating costs, ordering materials, and completing projects to industry standards. 		Communication, Critical Thinking and Problem Solving, Professional Competence, Self-Reflection
<ul style="list-style-type: none"> Safely construct various residential interior and exterior wall and roof coverings, millwork, cabinetry and finishes by interpreting construction documents, estimating costs, ordering materials, and completing projects to industry standards. 		Communication, Critical Thinking and Problem Solving, Professional Competence, Self-Reflection
<ul style="list-style-type: none"> Apply competence in tool and job site safety, applied mathematics, estimating, building codes, and construction surveying. 		Communication, Critical Thinking and Problem Solving, Professional Competence, Self-

	Reflection
<ul style="list-style-type: none"> Practice the efficient use of natural and man-made resources in both commercial and residential building construction. 	Community and Environmental Responsibility
<ul style="list-style-type: none"> Read, understand and generate construction documents, and communicate in the construction environment using effective written and oral communication skills. 6.2.10 	Communication, Professional Competence
Revised Outcomes: Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.	
Degree Outcome	Core Outcome
<i>Students who complete this degree should be able to:</i>	
No change	

SECTION # 3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.

If you want to rearrange the order of courses within the term by term sequence do so on this form.

If you are removing a course identify the course with (remove) and bold the text.

If the course title is changed identify the course with (title change) and bold the text.

If the course credits have changed identify the course with (increase or decrease credit) and bold the text.

If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	COURSE TITLE	CREDIT S	COURSE NUMBER	COURSE TITLE	CREDIT S
1 st term			1 st term		
BCT 102	Residential Printreading	3	BCT 102	Residential Printreading	3
BCT 103	Residential Material and Methods	3	BCT 103	Residential Material and Methods	3
BCT 104	Construction Mathematics	3	BCT 104	Construction Mathematics	3
BCT 106	Hand-Power Tool Safety and Use	3	BCT 106	Hand-Power Tool Safety and Use	3

Gen Ed	General Education	4	Gen Ed	General Education	4
2 nd Term			2 nd Term		
ARCH 110	Intro to Architectural Drawing	2	Arch 110	Intro to Architectural Drawing	2
ARCH 132	Residential Building Codes	2	Arch 132	Residential Building Codes	2
BCT 101	Prin. of Construction Surveying Delete	3		BCT Degree Elective (Moved)	3
BCT 127	Residential Concrete	6	BCT 127	Residential Concrete	6
			Gen Ed.	General Education	4
3 rd Term			3 rd Term		
BCT 120	Floor Framing	3	BCT	Floor Framing	3
BCT 121	Wall Framing	3	BCT	Wall Framing	3
BCT 122	Roof Framing1	3	BCT	Roof Framing 1	3
BCT 123	Roof Framing 2	3	BCT	Roof Framing 2	3
			COMM 215	Small Group Communication (Moved)	4
4 th Term			4 th Term		
BCT 128	Exterior Finish	6	BCT 128	Exterior Finish	6
BCT Deg.	Electives Moved	3	BCT 223	Finished Stair Construction	3
BCT 223	Finished Stair Construction	3	BCT 129	Mech. Planning for Kit. & Baths (Add)	4
SP 215	Small Group Communication Move	4	BCT 229	Intro to Kitchens & Baths (Add)	2
5 th Term			5 th Term		
BCT 203	Interior Finish	6	BCT 203	Interior Finish	6
BCT 219	Cabinetmaking1	6	BCT 219	Cabinetmaking1	6
Gen Ed	General Education	4	Gen Ed	General Education	4
6 th Term			6 th Term		
BCT 204B	Construction Estimating-Residential	3	BCT 204B	Construction Estimating-Residential	3
BCT 206	Sustainable Construction Practices	3	BCT 206	Sustainable Construction Practices	3
BCT 211	Remodeling	6	BCT 211	Remodeling	6
WR 227	Tech. and Professional Writing 1	4	WR 227	Tech. and Professional Writing 1	4
	Credit Total	93		Credit Total	96

SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)

Is this a statewide degree?	<input type="checkbox"/> Yes X No	Has the change been approved by the consortium?	<input type="checkbox"/> Yes X No
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Is this a degree option?	X Yes <input type="checkbox"/> No	If yes, name of the base degree:	Building Construction Technology
Are there any career pathway(s) or related certificates attached to this degree?	<input type="checkbox"/> Yes X No	If yes, name of career pathway(s) or related certificate	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)			Winter 2014

Submitted By:	Robert Steele
Email:	rsteele@pcc.edu



ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM

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dac@pcc.edu
Signature pages should be intercampus mailed to:
Curriculum Office DC / 4th floor**

SECTION # 1 OVERVIEW

Current Title:	DESIGN/BUILD REMODELING	Proposed Title:	REMODELING
Current Credits:	103	Proposed Credits:	100
Overview and rationale for proposed changes:	<p>The BCT SAC proposes to delete the two Vectorworks courses as required and replace them with a "Cad Elective" option. Vectorworks provides a limited scope of CAD training and is not commonly used in industry. ID 131 and 133 are courses more associated with the Interior Design Program. The BCT SAC feels the typical BCT "RESIDENTIAL BUILDING CONSTRUCTION REMODELING" student would benefit more from BCT 127. The course name change proposal to "RESIDENTIAL BUILDING CONSTRUCTION REMODELING" was because many BCT Advisory members and BCT SAC members feel it better describes the program.</p>		
<p>List of specific changes being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc). Use simple text such as Add, Remove, Change, Revise to inform the reader of the changes desired.</p>	<ol style="list-style-type: none"> 1. Delete BCT 105 Vectorworks for Constructors 2. Delete BCT 209 Vectorworks for Constructors 2 3. Delete ID 131 Introduction to Interiors 4. Delete ID 133 Space Planning and Designs 5. ADD BCT 127 Residential Concrete 6. Change title: REMODELING 7. ADD: CAD Electives 6 credits 8. Identify CAD elective list 9. Reduce # credits required to earn the degree 		
<p>Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses</p>	<input type="checkbox"/> Yes No	<p>If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.</p>	

SECTION # 2 PREREQUISITES AND OUTCOMES

All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.

Current Prerequisites	Does the revision involve changing degree prerequisites?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Course Number	Course Title or Placement level		
Proposed Prerequisites			
Course Number	Course Title or Placement level		
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do "out there" (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity "in here"? Good outcomes statements will suggest context to indicate this "out there" and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing degree outcomes? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.			
Degree Outcome <i>Students who complete this degree should be able to:</i>		Core Outcome	
		1.Communication: 2.Community and Environmental Responsibility : 3. Critical Thinking and Problem Solving : 4. Cultural Awareness: 5. Professional Competence:	
<i>Degree Outcome: Students who complete this degree should be able to:</i>			
<ul style="list-style-type: none"> Evaluate building systems, including structural and mechanical, and apply such knowledge to building design and construction requirements. Use efficient and safe construction skills and techniques on remodeling and/or new construction projects 		Communication, Critical Thinking and Problem Solving, Professional Competence	
<ul style="list-style-type: none"> Identify and analyze technical and aesthetic project requirements, research industry specifications, and specify appropriate building and finish materials, equipment, and fixtures to meet client needs and building code requirements. 		Communication, Critical Thinking and Problem Solving, Professional Competence	

<ul style="list-style-type: none"> Create kitchen and bath design solutions meeting client aesthetic and budgetary needs by using the National Kitchen and Bath Association guidelines and the elements & principles of design including universal and accessible design criteria. 	Communication, Critical Thinking and Problem Solving, Professional Competence
<ul style="list-style-type: none"> Prepare contract documents, using industry standards for written and graphic communication. Manage project schedule, subcontractors and suppliers. 	Communication, Critical Thinking and Problem Solving, Professional Competence
<ul style="list-style-type: none"> Practice ethical standards of business conduct and professional services. 	Professional Competence
<ul style="list-style-type: none"> Exhibit organizational and written/oral communication skills required to bring design/build projects from initial concept to competition. 6.2.10 	Communication, Critical Thinking and Problem Solving, Professional Competence
Revised Outcomes: Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.	
Degree Outcome	Core Outcome
<i>Students who complete this degree should be able to:</i>	

SECTION # 3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.

If you want to rearrange the order of courses within the term by term sequence do so on this form.

If you are removing a course identify the course with (remove) and bold the text.

If the course title is changed identify the course with (title change) and bold the text.

If the course credits have changed identify the course with (increase or decrease credit) and bold the text.

If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	COURSE TITLE	CREDITS	COURSE NUMBER	COURSE TITLE	CREDITS

1st Term			1st Term		
ARCH100	Graphic Comm. for Designers	3	ARCH100	Graphic Comm. for Designers	3
BCT 102	Residential Printreading	3	BCT 102	Residential Printreading	3
BCT 103	Residential Mat & Methods	3	BCT 103	Residential Mat & Methods	3
BCT 104	Construction Mathematics	3	BCT 104	Construction Mathematics	3
BCT 106	Hand & Power Tool use and Safety	3	BCT 106	Hand & Power Tool use and Safety	3
2nd Term			2nd Term		
ARCH 110	Intro to Architectural Drawing	2	ARCH 110	Intro to Architectural Drawing	2
ARCH 132	Residential Building Codes	2	ARCH 132	Residential Building Codes	2
BCT 105	Vectorworks for Contractors Delete	3		Cad Elective (Add)	3
ID 131	Introduction to Interiors Delete	3	BCT 127	Residential Concrete Add	6
SP 215	Small Group Communications	4	COMM 215	Small Group Communications	4
3rd Term			3rd Term		
BCT 120	Floor Framing	3	BCT 120	Floor Framing	3
BCT 121	Wall Framing	3	BCT 121	Wall Framing	3
BCT 122	Roof Framing 1	3	BCT 122	Roof Framing 1	3
BCT 123	Roof Framing 2	3	BCT 123	Roof Framing 2	3
BCT 209	Vectorworks for contractors 2 Delete	3		Cad Elective (Add)	3
ID 133	Space Planning and Design Delete	3			
4th Term			4th Term		
BCT 128	Exterior Finish	6	BCT 128	Exterior Finish	6
BCT 129	Mech. Planning for Kit and Baths	4	BCT 129	Mech. Planning for Kit and Baths	4
BCT 202D	Bus Prin. for Design/Build Delete	3	BCT 229	Intro to Kitchens and Baths	2
BCT 229	Intro to Kitchens and Baths	2	Gen Ed	General Education	4
Gen Ed	General Education	4			
5th Term			5th Term		
BCT 203	Interior Finish	6	BCT 203	Interior Finish	6
BCT 206	Sustainable Const. Practices Move	3	BCT 219	Cabinetmaking 1	6
BCT 219	Cabinetmaking 1	6	ID 238	Adv. Kitchen & Bath Design	3
ID 238	Adv. Kitchen & Bath Design	3	Gen Ed	General Education	4
6th Term			6th Term		
BCT 204B	Const. Estimating-Residential	3	BCT 204B	Const. Estimating-Residential	3
BCT 211	Remodeling	6	BCT 211	Remodeling	6
BCT 244	Kitchen & Bath Cabinet Installation	2	BCT 244	Kitchen & Bath Cabinet Installation	2
Gen Ed	General Education	8	BCT 206	Sustainable Const. Practices	3

			Gen Ed	General Education	4
				CAD Elective List	
				ARCH 126 Intro to AutoCAD	
				ARCH 136 Intermediate AutoCAD	
				BCT 105 Vectorworks for Contractors	
				BCT 209 Vectorworks for Contractors 2	
				ARCH 237--Introduction to Revit Architecture	
				ARCH 247--Intermediate Revit Architecture	
				ARCH 127--Introduction to Google Sketch-up	
	Credit Total	103		Credit Total	100

SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)

Is this a statewide degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Has the change been approved by the consortium?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is this a degree option?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, name of the base degree:	Building Construction Technology
Are there any career pathway(s) or related certificates attached to this degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name of career pathway(s) or related certificate	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)			Winter 2014

Submitted By:	Robert Steele
Email:	rsteele@pcc.edu



ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM

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SECTION # 1 OVERVIEW

Current Title:	Biology and Management of Zoo Animals	Proposed Title:	
Current Credits:	103	Proposed Credits:	
Overview and rationale for proposed changes:	Worked with SAC to consider best practices for incorporating final job preparation skills into program: in association with final co-op experience through BMZA 270 instead of CG 209.		
List of specific changes being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc). Use simple text such as Add, Remove, Change, Revise to inform the reader of the changes desired.	1. INCREASE credits: BMZA 270 2. CHANGE title: BMZA 270 2. DELETE: CG 209 3. TRADE terms: BMZA 265 and BMZA 270		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	

SECTION # 2 PREREQUISITES AND OUTCOMES

All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.

Current Prerequisites	Does the revision involve changing degree prerequisites?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Course Number	Course Title or Placement level	
	High school diploma, GED certificate, or equivalent	
WR 121	English Composition (or a writing course for which this is a prerequisite) w/ C or better or submitting official transcripts verifying receipt of an AA, AAS, AGS, AS, BA, or BS degree or higher from a US regionally accredited institution	
MTH 63 or 65	Introductory Algebra – Part III or Introductory Algebra – Second Term (or a 3+ credit math course for which MTH 65 is a prerequisite) w/C or better or passing PCC MTH 65 competency exam	
BI 112 or (BI 211 AND 212) or equivalent	Cell Biology for Health Occupations or 2 terms Principles of Biology or equivalent majors biology coursework (including molecular/cellular/genetics components) w/ C or better	
CH 151 or 104 or equivalent	Preparatory Chemistry or Allied Health Chemistry I (encouraged for transfer purposes) or equivalent general chemistry course with laboratory w/C or better	
CAS 133	Basic Computer Skills or equivalent coursework or experience	
	Minimum of 20 hours documented direct animal husbandry experience	
Proposed Prerequisites		
Course Number	Course Title or Placement level	
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing degree outcomes? <input type="checkbox"/> Yes <input type="checkbox"/> No
Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.		
Degree Outcome		Core Outcome
<i>Students who complete this degree should be able to:</i>		
1. Work collaboratively, competently, safely and ethically with a team of zoo professionals in providing quality animal management for captive populations.		Professional Competence Communication Critical Thinking and Problem Solving Self reflection
2. Communicate effectively in written and oral format within the work team, with zoo visitors and through outreach		Professional competence

programs	Community and Environmental Responsibility Critical Thinking and Problem Solving Self reflection
3. Advocate for conservation biology through outreach programs and personal interactions with zoo visitors.	Professional Competence Community and Environmental Responsibility Critical Thinking and Problem Solving Self reflection
4. Critically analyze and apply zoo specific principles to ensure high quality practice in the areas of: a. Care and husbandry of captive populations b. Animal management for captive populations c. Sustainable population management d. Wild population management e. Exhibit design and maintenance f. Exhibit water quality and plant care	Professional Competence Critical Thinking and Problem Solving Communication – both oral and written Self reflection
Revised Outcomes: Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.	
Degree Outcome	Core Outcome
<i>Students who complete this degree should be able to:</i>	

SECTION # 3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.
If you want to rearrange the order of courses within the term by term sequence do so on this form.
If you are removing a course identify the course with (remove) and bold the text.
If the course title is changed identify the course with (title change) and bold the text.
If the course credits have changed identify the course with (increase or decrease credit) and bold the text.
If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	COURSE TITLE	CREDITS	COURSE NUMBER	COURSE TITLE	CREDITS
	Prior to Entry			Prior to Entry	
	General Education	8		General Education	8
	First Term			First Term	
BMZA 100	Introduction to Zoo Science	2	BMZA 100	Introduction to Zoo Science	2
BMZA 101	Zoo Biology & Management I – Introduction	4	BMZA 101	Zoo Biology & Management I – Introduction	4
BMZA 110	Animal Nutrition	4	BMZA 110	Animal Nutrition	4
SP 111	Public Speaking*	4	SP 111	Public Speaking*	4
PE 181D	Circuit Weight Training 1	1	PE 181D	Circuit Weight Training 1	1
	Second Term			Second Term	
BMZA 150	Captive Population Management	4	BMZA 150	Captive Population Management	4
BMZA 201	Zoo Biology & Management II – Amphibians and Reptiles	4	BMZA 201	Zoo Biology & Management II – Amphibians and Reptiles	4
BMZA 280A	Cooperative Education in Zoos	5	BMZA 280A	Cooperative Education in Zoos	5
	General Education	4		General Education	4
	Third Term			Third Term	
BMZA 105	Comparative Vertebrate Anatomy and Physiology I	4	BMZA 105	Comparative Vertebrate Anatomy and Physiology I	4
BMZA 202	Zoo Biology & Management III – Birds	4	BMZA 202	Zoo Biology & Management III – Birds	4
BMZA 280A	Cooperative Education in Zoos	5	BMZA 280A	Cooperative Education in Zoos	5
	Fourth Term			Fourth Term	
BMZA 106	Comparative Vertebrate Anatomy and Physiology II	4	BMZA 106	Comparative Vertebrate Anatomy and Physiology II	4
BMZA 107	Basic Horticulture for Zoo Keepers	4	BMZA 107	Basic Horticulture for Zoo Keepers	4
BMZA	Cooperative Education in Zoos	4	BMZA 280A	Cooperative Education in Zoos	4

280A					
	Fifth Term			Fifth Term	
BMZA 203	Zoo Biology & Management IV – Mammals	4	BMZA 203	Zoo Biology & Management IV – Mammals	4
BMZA 231	Introduction to Animal Behavior	4	BMZA 231	Introduction to Animal Behavior	4
BMZA 240	Zoo Water Quality Management	2	BMZA 240	Zoo Water Quality Management	2
BMZA 280A	Cooperative Education in Zoos	4	BMZA 280A	Cooperative Education in Zoos	4
	Sixth Term			Sixth Term	
BMZA 220	Veterinary Procedures and Treatments for Zoo Keepers	4	BMZA 220	Veterinary Procedures and Treatments for Zoo Keepers	4
BMZA 232	Zoo Animal Behavior Management	2	BMZA 232	Zoo Animal Behavior Management	2
BMZA 250	Conservation Biology	4	BMZA 250	Conservation Biology	4
CG 209	Job Finding Skills	1	CG 209	Job Finding Skills (REMOVE)	1
BMZA 270	Zoo Biology & Management Seminar	1	BMZA 265	Exhibit Construction, Maintenance, and Repair	2
	Seventh Term			Seventh Term	
BMZA 255	Wildlife Education Management	4	BMZA 255	Wildlife Education Management	4
BMZA 260	Exhibit Design	2	BMZA 260	Exhibit Design	2
			BMZA 270	Zoological Professional Development Seminar (CHANGE TITLE AND INCREASE CREDITS)	2
BMZA 280B	Cooperative Education: Zoological Specialty	4	BMZA 280B	Cooperative Education: Zoological Specialty	4
	Credit Total	103		Credit Total	103

SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)

Is this a statewide degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Has the change been approved by the consortium?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Is this a degree option?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name of the base degree:	
Are there any career pathway(s) or related certificates attached to this degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name of career pathway(s) or related certificate	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)			Winter 2014

Submitted By:	Joyce Kaplan
Email:	joyce.kaplan@pcc.edu



**CERTIFICATE
REVISION REQUEST
FORM**

**Directions: Fill out completely and
return electronically to:**
dac@pcc.edu

Signature pages should be intercampus mailed to:
Curriculum Office DC 4th floor

SECTION #1 OVERVIEW

Current Title:	Emergency Management Certificate	Proposed Title:	Emergency Management Certificate
Current Credits:	44	Proposed Credits:	51
Overview and rationale for proposed changes:	The EM courses have been offered for five years and we have identified content which was either left out of the original curriculum or content that needs to be updated to stay abreast of new developments in the profession. These changes are a result of recommendations by the EM Advisory Committee, instructors and feedback from students.		
List of specific changes being proposed which may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes etc. Use consistent words – Add, Remove, Increase, Decrease, Change	<ol style="list-style-type: none"> Delete: EM 101 Introduction to Emergency Services Add: EM 103 Introductions to Radio Communications Add: EM 112 Theory of Homeland Security Add: EM 210 Emergency Management Planning: Hazards & Disasters Add: EM 228 Emergency Management: Capstone Decrease: EM Electives from 16 credits to 14 credits Title change: EM 103 Introduction to Radio Communications Course number change: EM 210 Title change/Prerequisite change: EM 210 Emergency Management Planning: Hazards & Disasters Title change/Prerequisite change: EM 202 Principles & Practices of Hazard Mitigation Title change/Prerequisite change: EM 203 Principles & Practices of Disaster Response I Title change/Prerequisite change: EM 204 Principles & Practices of Disaster Response II Title change/Prerequisite change: EM 205 Disaster Recovery Operations Change Outcomes: EM 204 Change Outcomes: EM 210 Submit related instruction template Increase credit requirement to earn certificate Require application-limited entry program 		

		19. Apply program prerequisites	
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	
SECTION #2 REVISION AREAS			
Prerequisites			
Current Prerequisites	Does the revision involve changing certificate prerequisites?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Course Number	Course Title or Placement level		
Proposed Prerequisites			
Course Number	Course Title or Placement level		
	Meet with the program advisor and complete the program application.		
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do "out there" (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity "in here"? Good outcomes statements will suggest context to indicate this "out there" and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.		Does the revision involve changing certificate outcomes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the certificate outcomes.			
Certificate Outcome			Core Outcome
Students who complete this certificate should be able to:			

<ul style="list-style-type: none"> Discuss and apply the basic theory of Emergency Management in real and practice situations 	Communication Critical Thinking & Problem Solving Professional Competence Self-Reflection
<ul style="list-style-type: none"> Demonstrate skills in Critical-Thinking, Decision-Making and Problem-Solving as related to emergency planning and response 	Communication Professional Competence Critical Thinking & Problem Solving Cultural Awareness
<ul style="list-style-type: none"> Demonstrate knowledge of federal, state and local programs available to respond to disasters 	Communication Community & Environmental Responsibility Cultural Awareness Professional Competence
Revised Outcomes: Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the certificate outcomes.	
Certificate Outcome	Core Outcome
Students who complete this certificate should be able to:	
No Change	
Related Instruction	
Does the revision involve changing or adding Related Instruction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, a template for Related Instruction will need to be filled out. The template can be found at: http://www.pcc.edu/recources/academic/eac/degree/forms.html	
Additional Comments Or Changes	

SECTION #3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.

If you want to rearrange the order of courses within the term by term sequence do so on this form.

If you are removing a course identify the course with (remove) and bold the text.

If the course title is changed identify the course with (title change) and bold the text.

If the course credits have changed identify the course with (increase or decrease credit) and bold the text.

If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

Current Certificate Information			Proposed Certificate Information		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
EM 101 (Remove)	Introduction to Emergency Services	4			
			EM 103 (Add)	Information Systems for EM (Title Change)	3
EM 110	Theory of Emergency Management	3	EM 110	Theory of Emergency Mgmt	3
			EM 112 (Add)	Theory of Homeland Security	3
EM 114	History of US Hazards & Disasters	4	EM 114	History of US Haz & Disasters	4
EM 202	Principles & Practices of Hazard Mitigation	3	EM 202	Hazard Mitigation (Title Change)	3
EM 203	Principles & Practices of Disaster Response I	4	EM 203	Disaster Response I (Title Change)	4
EM 204	Principles & Practices of Disaster Response II	4	EM 204	Disaster Response II (Title Change)	4
EM 205	Disaster Recovery Operations	3	EM 205	Disaster Recovery (Title Change)	3
			EM 201 (Number Change)	Disaster Planning & Preparedness (Add)	4

			EM 228 (Add)	Emergency Management: Capstone	3
ETC 105	Crisis Intervention & CISM	3	ETC 105	Crisis Intervention & CISM	3
	EM Electives	16		EM Electives (Decrease Credits)	14
	Credit total	44		Credit total	51

SECTION #4 (Please contact the Curriculum Office for support in filling out this section)			
Is this a Related Certificate?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this a Career Pathway?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, what is the base degree?		Will the proposed change affect the Career Pathway or Related Certificate? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, how?	Certificate will no longer qualify as a Career Pathway		
Is this a statewide certificate?		If yes, has the change been approved by the consortium?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)		Winter 2014	

Submitted by:	Carol Bruneau
Email:	cbruneau@pcc.edu
Phone:	971 722-5424

Template for Related Instruction in Certificates

45 to 60 credits Emergency Management Certificate					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
courses used for embedded related instruction				0				<i>No RI</i>
EM	103	Intro to Radio Communications	3	90		40.00	20.00	<i>60.00</i>
EM	112	Theory of Homeland Security	3	90			10.00	<i>10.00</i>
EM	114	History of US Haz & Dis	4	120	10.00	10.00	10.00	<i>30.00</i>
EM	202	Prin & Prac of Haz Mitigation	3	90	10.00		10.00	<i>20.00</i>
EM	203	Prin & Prac of Disaster Resp I	4	120	10.00	20.00	10.00	<i>40.00</i>
EM	204	Prin & Prac of Disaster Resp II	4	120	10.00	20.00	10.00	<i>40.00</i>
EM	205	Disaster Recovery Operations	3	90	10.00			<i>10.00</i>
EM	228	EM: Capstone	3	90		10.00	10.00	<i>20.00</i>
ETC	105	Crisis Intervention & CISM	3	90		10.00	10.00	<i>20.00</i>
courses used for stand-alone related instruction				0				<i>No RI</i>
				0				<i>No RI</i>
				0				<i>No RI</i>
				0				<i>No RI</i>
Totals			30	900	50.00	110.00	90.00	250.00
Minimum for 1 yr certificate:					48.00	48.00	48.00	240.00
Remaining to meet Min. Requirement:					0.00	0.00	0.00	0.00

	YES	NO
All courses identified as embedded related instruction are approved by the curriculum committee for RI?		X
Related instruction instructor qualification forms are filed with the VP Academic & Student Affairs?		X



**ASSOCIATE OF APPLIED SCIENCE DEGREE
REVISION REQUEST FORM**

**Directions: Fill out completely and
return electronically to:**
dac@pcc.edu
Signature pages should be intercampus mailed to:
Curriculum Office DC / 4th floor

SECTION # 1 OVERVIEW

Current Title:	Fitness Technology	Proposed Title:	
Current Credits:	90	Proposed Credits:	
Overview and rationale for proposed changes:	Adding FT 180 – Fitness Technology Internship Preparation (new CTE course) for students to gain skills needed to secure a professional internship location for their certificate and/or degree. Reducing elective requirement by 1 credit to account for this new course.		
List of specific changes being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc). Use simple text such as Add, Remove, Change, Revise to inform the reader of the changes desired.	1. Add FT 180 2. Reduce Electives by 1 credit to 14 credits		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	

SECTION # 2 PREREQUISITES AND OUTCOMES

All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.

Current Prerequisites	Does the revision involve changing degree prerequisites?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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Course Number	Course Title or Placement level	
Proposed Prerequisites		
Course Number	Course Title or Placement level	
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing degree outcomes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.		
Degree Outcome		Core Outcome
<i>Students who complete this degree should be able to:</i>		
Meet qualifications for employment as an entry or higher-level professional in the fitness and wellness industry.		Professional Competence
Develop, demonstrate, and implement appropriate fitness assessments and programs for healthy populations and individuals with special exercise program requirements (i.e. seniors, youth, and at-risk populations).		Professional Competence, Communication, Critical Thinking & Problem Solving, Cultural Awareness
Apply the knowledge and skills gained in a Fitness Technology AAS Degree when critically evaluating and interpreting fitness and wellness information.		Critical Thinking & Problem Solving, Self-Reflection
Use valid fitness and wellness information to effectively educate clients and the community.		Communication, Cultural Awareness, Community & Environmental Responsibility
Identify, evaluate, and take advantage of learning opportunities in the fitness and wellness industry that contribute to personal and professional growth and adaptability.		Critical Thinking & Problem Solving, Self-Reflection
Meet requirements for entry into a four-year college program that emphasizes fitness and exercise and/or other related educational, technical, and professional fields.		Professional Competence, Communication
Qualify for nationally recognized fitness certifications, including but not limited to: American Red Cross: CPR/AED – Professional Rescuer, First Aid, Sports Safety Training, Bloodborne Pathogens American College of Sports Medicine (ACSM): Certified Personal Trainer National Strength & Conditioning Association (NSCA): Certified Personal Trainer American Council on Exercise (ACE): Group Fitness Instructor (if completed PE 282) Aquatic Exercise Association (AEA): Aquatic Exercise Instructor (if completed PE 287)		Professional Competence Critical Thinking & Problem Solving

Revised Outcomes:

Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.

Degree Outcome	Core Outcome

SECTION # 3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.

If you want to rearrange the order of courses within the term by term sequence do so on this form.

If you are removing a course identify the course with (remove) and bold the text.

If the course title is changed identify the course with (title change) and bold the text.

If the course credits have changed identify the course with (increase or decrease credit) and bold the text.

If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	COURSE TITLE	CREDITS	COURSE NUMBER	COURSE TITLE	CREDITS
	*Requires 3 of the 5 Professional Activities courses (6 credits total)			*Requires 3 of the 5 Professional Activities courses (6 credits total)	
FT 101	Fitness Technology Seminar	3	FT 101	Fitness Technology Seminar	3
FT 102	Injury Prevention and Management	3	FT 102	Injury Prevention and Management	3
FT 131	Structure & Function of the Human Body	4	FT 131	Structure & Function of the Human Body	4
HE 295	Health & Fitness For Life Lecture	2	HE 295	Health & Fitness For Life Lecture (ADD)	2
PE 295	Health & Fitness For Life Lab	1	PE 295	Health & Fitness For Life Lab (ADD)	1
PE 181A, B, or C	Beginning, Int., or Adv Weight Training	1	PE 181A, B, or C	Beginning, Int., or Adv Weight Training	1
PE 282A	*Professional Activities – Group Fitness	2	PE 282A	*Professional Activities – Group Fitness	2
FT 103	Nutrition for Fitness Instructors	3	FT 103	Nutrition for Fitness Instructors	3
FT 104	Fitness Assessment & Programming I	3	FT 104	Fitness Assessment & Programming I	3
FT 106	Analysis of Movement	3	FT 106	Analysis of Movement	3
PE 281	Professional Activities - Weight Training	2	PE 281	Professional Activities - Weight Training	2
PE 287	*Professional Activities: Aquatics	2	PE 287	*Professional Activities: Aquatics	2
			FT 180	Fitness Technology Internship Preparation (ADD)	1
FT 105	Fitness Assessment and Programming II	3	FT 105	Fitness Assessment and Programming II	3
FT 107	Exercise Science I	3	FT 107	Exercise Science I	3

PE 283	*Professional Activities: Mind Body Disciplines	2	PE 283	*Professional Activities: Mind Body Disciplines	2
PE 288	*Professional Activities: Team Sports Training	2	PE 288	*Professional Activities: Team Sports Training	2
FT 280	CE: Fitness Technology	4	FT 280	CE: Fitness Technology	4
PSY 101	Psychology and Human Relations	4	PSY 101	Psychology and Human Relations	4
COMM 111	Public Speaking	4	COMM 111	Public Speaking	4
FT 203	Fitness Promotion	3	FT 203	Fitness Promotion	3
FT 204	Exercise Science II	3	FT 204	Exercise Science II	3
CG 280A	CE: Career Exploration	1	CG 280A	CE: Career Exploration	1
CG 280A	CE: Career Exploration	1	CG 280A	CE: Career Exploration	1
FT 201	Fitness Assessment and Programming III	3	FT 201	Fitness Assessment and Programming III	3
FT 202	Fitness and Aging	3	FT 202	Fitness and Aging	3
PE 282B	*Professional Activities: Special Populations	2	PE 282B	*Professional Activities: Special Populations	2
FT 280	CE: Fitness Technology	4	FT 280	CE: Fitness Technology	4
	ELECTIVES	15		ELECTIVES	14 (reduce credit)
	GEN ED REMAINING ¹	8		GEN ED REMAINING ¹	8
	¹ Recommended General Education: BI 112, MTH 111			¹ Recommended General Education: BI 112, MTH 111	
	Credit Total	90		Total Credit	90

SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)

Is this a statewide degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Has the change been approved by the consortium?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is this a degree option?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name of the base degree:	
Are there any career pathway(s) or related certificates attached to this degree?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, name of career pathway(s) or related certificate	HOAF: Healthy Older Adult Fitness Certificate Fitness Technology: One Year Certificate
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)			Winter 2014

Submitted By:	Tanya Littrell
Email:	tanya.littrell@pcc.edu



CERTIFICATE REVISION REQUEST FORM

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 Curriculum Office DC 4th floor

SECTION #1 OVERVIEW

Current Title:	Fitness Technology	Proposed Title:	
Current Credits:	47	Proposed Credits:	48
Overview and rationale for proposed changes:	Adding FT 180 – Fitness Technology Internship Preparation (new CTE course) for students to gain skills needed to secure a professional internship location for their certificate and/or degree.		
List of specific changes being proposed which may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes etc. Use consistent words – Add, Remove, Increase, Decrease, Change	1. Add: FT 180 2. Increase credit requirement to earn the certificate		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses <div style="display: flex; align-items: center;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </div>	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.		

SECTION #2 REVISION AREAS

Prerequisites

Current Prerequisites	Does the revision involve changing certificate prerequisites?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Course Number	Course Title or Placement level		

Proposed Prerequisites		
Course Number	Course Title or Placement level	
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing certificate outcomes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the certificate outcomes.		
Certificate Outcome		Core Outcome
Students who complete this certificate should be able to:		
1) Meet qualifications for employment as an entry level instructor in the fitness and wellness industry.		Professional Competence
2) Develop, demonstrate, and implement appropriate fitness assessments and programs for healthy populations.		Professional Competence, Communication, Critical Thinking & Problem Solving
3) Apply the knowledge and skill base gained in a Fitness Technology Certificate when critically evaluating and interpreting fitness and wellness information.		Critical Thinking & Problem Solving, Self-Reflection
4) Use valid fitness and wellness information to effectively educate clients.		Communication, Cultural Awareness, Community & Environmental Responsibility
5) Identify, evaluate, and take advantage of learning opportunities in the fitness and wellness industry that contribute to personal and professional growth and adaptability.		Critical Thinking & Problem Solving, Self-Reflection
6) Qualify for nationally recognized fitness certifications, including but not limited to: <ul style="list-style-type: none"> American Red Cross: CPR/AED – Professional Rescuer, First Aid, Sports Safety Training, Bloodborne Pathogens American College of Sports Medicine (ACSM): Certified Personal Trainer National Strength & Conditioning Association (NSAC): Certified Personal Trainer American Council on Exercise (ACE): Group Fitness Instructor (if completed PE 282) Aquatic Exercise Association (AEA): Aquatic Exercise Instructor (if completed PE 287) 		Professional Competence Critical Thinking & Problem Solving
Revised Outcomes: Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the certificate outcomes.		

Certificate Outcome		Core Outcome
Related Instruction		
Does the revision involve changing or adding Related Instruction?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If yes, a template for Related Instruction will need to be filled out. The template can be found at: http://www.pcc.edu/recources/academic/eac/degree/forms.html		
Additional Comments Or Changes		

SECTION #3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.

If you want to rearrange the order of courses within the term by term sequence do so on this form.

If you are removing a course identify the course with (remove) and bold the text.

If the course title is changed identify the course with (title change) and bold the text.

If the course credits have changed identify the course with (increase or decrease credit) and bold the text.

If you need more lines to accommodate the courses, right click and insert rows.


The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

Current Certificate Information			Proposed Certificate Information		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
	*Requires 2 of the 5 Professional Activities courses (4 credits total)			*Requires 2 of the 5 Professional Activities courses (4 credits total)	
FT 101	Fitness Technology Seminar	3	FT 101	Fitness Technology Seminar	3
FT 102	Injury Prevention and Management	3	FT 102	Injury Prevention and Management	3
FT 131	Structure & Function of the Human Body	4	FT 131	Structure & Function of the Human Body	4
HE 295	Health & Fitness For Life Lecture	2	HE 295	Health & Fitness For Life Lecture	2

PE 295	Health & Fitness For Life Lab	1	PE 295	Health & Fitness For Life Lab	1
PE 181A, B, or C	Beginning, Int., or Adv Weight Training	1	PE 181A, B, or C	Beginning, Int., or Adv Weight Training	1
PE 282A	*Professional Activities – Group Fitness	2	PE 282A	*Professional Activities – Group Fitness	2
FT 103	Nutrition for Fitness Instructors	3	FT 103	Nutrition for Fitness Instructors	3
FT 104	Fitness Assessment & Programming I	3	FT 104	Fitness Assessment & Programming I	3
FT 106	Analysis of Movement	3	FT 106	Analysis of Movement	3
PE 281	Professional Activities - Weight Training	2	PE 281	Professional Activities - Weight Training	2
PE 287	*Professional Activities: Aquatics	2	PE 287	*Professional Activities: Aquatics	2
			FT 180	Fitness Technology Internship Preparation (ADD)	1
FT 105	Fitness Assessment and Programming II	3	FT 105	Fitness Assessment and Programming II	3
FT 107	Exercise Science I	3	FT 107	Exercise Science I	3
PE 283	*Professional Activities: Mind Body Disciplines	2	PE 283	*Professional Activities: Mind Body Disciplines	2
PE 288	*Professional Activities: Team Sports Training	2	PE 288	*Professional Activities: Team Sports Training	2
FT 280	CE: Fitness Technology	4	FT 280	CE: Fitness Technology	4
PSY 101	Psychology and Human Relations	4	PSY 101	Psychology and Human Relations	4
COMM 111	Public Speaking	4	COMM 111	Public Speaking	4
PE 282B	*Professional Activities: Special Populations – Note: requires FT 202 prerequisite	2	PE 282B	*Professional Activities: Special Populations – Note: requires FT 202 prerequisite	2
	Credit total	47		Credit total	48

SECTION #4 (Please contact the Curriculum Office for support in filling out this section)			
Is this a Related Certificate?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this a Career Pathway?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, what is the base degree?	HOAF: Healthy Older Adult Fitness Certificate Fitness Technology: AAS	Will the proposed change affect the Career Pathway or Related Certificate? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If yes, how?			
Is this a statewide certificate?	If yes, has the change been approved by the consortium?		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)		Winter 2014	

Submitted by:	Tanya Littrell
Email:	tanya.littrell@pcc.edu

		CERTIFICATE REVISION REQUEST FORM		Directions: Fill out completely and return electronically to: dac@pcc.edu Signature pages should be intercampus mailed to: Curriculum Office DC 4 th floor	
SECTION #1 OVERVIEW					
Current Title:		Healthy Older Adult Fitness – Career Pathways Certificate		Proposed Title:	
Current Credits:		25		Proposed Credits:	26
Overview and rationale for proposed changes:		Adding FT 180 – Fitness Technology Internship Preparation (new CTE course) for students to gain skills needed to secure a professional internship location for their certificate and/or degree.			
List of specific changes being proposed which may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes etc. Use consistent words – Add, Remove, Increase, Decrease, Change		1. Add FT 180 2. Increase credit required to earn the certificate			
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.		
SECTION #2 REVISION AREAS					
Prerequisites					
Current Prerequisites	Does the revision involve changing certificate prerequisites?			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Course Number	Course Title or Placement level	
Proposed Prerequisites		
Course Number	Course Title or Placement level	
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing certificate outcomes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the certificate outcomes.		
Certificate Outcome		Core Outcome
Students who complete this certificate should be able to:		
1. Meet qualifications for employment as an entry level activity/fitness leader working with healthy older adult populations.		Communication
2. Apply knowledge and skills gained in the Fitness Technology and Gerontology programs when working with and for elders in the community.		Professional Competence
3. Identify, evaluate, and take advantage of learning opportunities in the fields of gerontology and fitness, while developing a personally and professionally rewarding career.		Self-Reflection
Revised Outcomes: Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the certificate outcomes.		
Certificate Outcome		Core Outcome
Students who complete this certificate should be able to:		
Related Instruction		
Does the revision involve changing or adding Related Instruction?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

If yes, a template for Related Instruction will need to be filled out. The template can be found at:
<http://www.pcc.edu/recources/academic/eac/degree/forms.html>

Additional Comments Or Changes

SECTION #3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.

If you want to rearrange the order of courses within the term by term sequence do so on this form.

If you are removing a course identify the course with (remove) and bold the text.

If the course title is changed identify the course with (title change) and bold the text.

If the course credits have changed identify the course with (increase or decrease credit) and bold the text.

If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

Current Certificate Information			Proposed Certificate Information		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
FT 131	Structure and Function of the Human Body	4	FT 131	Structure and Function of the Human Body	4
PE 181A, B, or C	Beginning, Int., or Adv Weight Training	1	PE 181A, B, or C	Beginning, Int., or Adv Weight Training	1
HE 295	Health & Fitness For Life Lecture	2	HE 295	Health & Fitness For Life Lecture	2
PE 295	Health & Fitness For Life Lab	1	PE 295	Health & Fitness For Life Lab	1
SOC 223	Sociology of Aging	4	SOC 223	Sociology of Aging	4
or			or		
SOC 231	Sociology of Health & Aging	(4)	SOC 231	Sociology of Health & Aging	(4)
PE 281	Professional Activities Weight Training	2	PE 281	Professional Activities Weight Training	2
FT 202	Fitness & Aging	3	FT 202	Fitness & Aging	3
GRN165*	Basic Activity Director Training	2	GRN165*	Basic Activity Director Training	2
			FT 180	Fitness Technology Internship Preparation (ADD)	1

PE 282B	Professional Activities Special Populations	2	PE 282B	Professional Activities Special Populations	2
FT 280	CE: Fitness Technology	4	FT 280	CE: Fitness Technology	4
	Credit total	25		Credit total	26

SECTION #4 (Please contact the Curriculum Office for support in filling out this section)			
Is this a Related Certificate?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this a Career Pathway?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, what is the base degree?	Fitness Technology: AAS Fitness Technology: One Year Certificate	Will the proposed change affect the Career Pathway or Related Certificate? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If yes, how?			
Is this a statewide certificate? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, has the change been approved by the consortium? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)		Winter 2014	

Submitted by:	Tanya Littrell
Email:	tanya.littrell@pcc.edu
Phone:	X4043



ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM

Directions: Fill out completely and
return electronically to:
dac@pcc.edu
Signature pages should be intercampus mailed to:
Curriculum Office DC / 4th floor

SECTION # 1 OVERVIEW

Current Title:	Industrial Maintenance Technology AAS	Proposed Title:	
Current Credits:	90	Proposed Credits:	94
Overview and rationale for proposed changes:	<p>The primary objective of the IMT program is to equip students with usable and relevant skills as they enter/continue in the industrial workforce. The IMT advisory committee strives to align the IMT curriculum so that it applies to real industrial environments. Through the committee's ongoing assessment of the program, it has been found that the addition and deletion of certain curriculum will be necessary in order to carry out the primary objective. Therefore, the IMT advisory committee is proposing the following changes for the 2-year IMT AAS Degree.</p>		
<p>List of specific changes being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc). Use simple text such as Add, Remove, Change, Revise to inform the reader of the changes desired.</p>	<ol style="list-style-type: none"> 1. Remove CIS 120 (Computer Concepts I) 2. Add CAS 133 (Basic Computer Skills, Microsoft Office). 3. Remove HE 125 (1st Aid and Industrial Safety) 4. Add IMT 103 (Industrial Mathematics) 5. Add DRF 270 (SolidWorks Fundamentals) 6. Add WLD 112 (SMAW 7018) 7. Increase credits: IMT 102 (Industrial Safety: OSHA) 8. Title change: IMT 222 (Lean Manufacturing and Process Control) 9. Add PSY 101 (Psychology and Human Relations) 10. Increase credits to earn degree 11. Reduce elective credits 		
<p>Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p>If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.</p>	<p>N.A., courses offered at TBCC.</p>

SECTION # 2 PREREQUISITES AND OUTCOMES

All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.

Current Prerequisites	Does the revision involve changing degree prerequisites?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Course Number	Course Title or Placement level		
Proposed Prerequisites			
Course Number	Course Title or Placement level		
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing degree outcomes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.			
Degree Outcome		Core Outcome	
<i>Students who complete this degree should be able to:</i>			
Integrate scientific and mathematical concepts in diagnosis and repair of industrial equipment		Not applicable - TBCC	
Apply scientific and mathematical concepts as well as technological applications in the improvement of work process and production efficiencies in a work place			
Apply concepts from communication and personality disciplines to aid team building process and product improvement as well as assist in other life roles.			
Revised Outcomes: Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.			
Degree Outcome		Core Outcome	
<i>Students who complete this degree should be able to:</i>			

SECTION # 3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.

If you want to rearrange the order of courses within the term by term sequence do so on this form.

If you are removing a course identify the course with (remove) and bold the text.

If the course title is changed identify the course with (title change) and bold the text.

If the course credits have changed identify the course with (increase or decrease credit) and bold the text.

If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	COURSE TITLE	CREDITS	COURSE NUMBER	COURSE TITLE	CREDITS
CIS 120	Computer Concepts I (remove)	4	CAS 133	Basic Computer Skills (add)	4
HE 125	First Aid and Industrial Safety (remove)	3	DRF 270	SolidWorks Fundamentals (add)	3
IMT 102	Industrial Safety: OSHA	3	IMT102	Industrial Safety: OSHA (increase credit)	4
IMT 104	Rigging	3	IMT 104	Rigging	3
IMT 105	Industrial Hydraulics I	3	IMT 105	Industrial Hydraulics I	3
IMT 118	Bearings, Seals, and Lubricants	3	IMT 118	Bearings, Seals, and Lubricants	3
IMT 120	Drive Systems	3	IMT 120	Drive Systems	3
IMT 200	Pumps and Valves	3	IMT 200	Pumps and Valves	3
IMT 204	Intro to Pneumatics	2	IMT 204	Intro to Pneumatics	2
IMT 209	Pipe Fitting	3	IMT 209	Pipe Fitting	3
IMT 220	Proportional Hydraulics	3	IMT 220	Proportional Hydraulics	3
IMT 222	Statistical Process Control Apps	3	IMT 222	Lean Manufacturing and Process Control (title change)	3
IMT 230	Preventative Maintenance	3	IMT 230	Preventative Maintenance	3
MCH 121	Manufacturing Processes I	3	MCH 121	Manufacturing Processes I	3
MCH 220	Manufacturing Processes II	3	MCH 220	Manufacturing Processes II	3
MTH 65	Intro Algebra	4	MTH 65	Intro Algebra	4
SP 111	Public Speaking	4	IMT 103	Industrial Mathematics (add)	4
WLD 102	Blueprint Reading	4	SP 111	Public Speaking	4
WLD 111	SMAW/Oxy-Acetylene Cutting	4	WLD 102	Blueprint Reading	4
			WLD 111	SMAW/Oxy-Acetylene Cutting	4
WR 121	English Composition	4	WLD 112	SMAW (7018) (add)	4
			WR 121	English Composition	4

			PSY 101	Psych and Human Relations (Add)	4
Electives		17	Electives		8
General Ed		8	General Ed		8
	Credit Total	90		Credit Total	94

SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)

Is this a statewide degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Has the change been approved by the consortium?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is this a degree option?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name of the base degree:	
Are there any career pathway(s) or related certificates attached to this degree?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, name of career pathway(s) or related certificate	Industrial Maintenance Technology
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)			Fall 2013 (TBCC)

Submitted By:	Lori Gates
Email:	gates@tillamookbay.cc



**CERTIFICATE
REVISION REQUEST
FORM - TBCC**

**Directions: Fill out completely and
return electronically to:
dac@pcc.edu**

**Signature pages should be intercampus mailed to:
Curriculum Office DC 4th floor**

SECTION #1 OVERVIEW

Current Title:	Industrial Maintenance Technology (1-year certificate)	Proposed Title:	
Current Credits:	53	Proposed Credits:	54
Overview and rationale for proposed changes:	The primary objective of the IMT program is to equip students with usable and relevant skills as they enter/continue in the industrial workforce. The IMT advisory committee strives to align the IMT curriculum so that it applies to real industrial environments. Through the committee's ongoing assessment of the program, it has been found that the addition and deletion of certain curriculum will be necessary in order to carry out the primary objective. Therefore, the IMT advisory committee is proposing the following changes for the IMT 1-year certificate.		
List of specific changes being proposed which may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes etc. Use consistent words – Add, Remove, Increase, Decrease, Change	<ol style="list-style-type: none"> 1. Remove CIS 120 (Computer Concepts I) 2. Add CAS 133 (Basic Computer Skills, Microsoft Office). 3. Remove BI 101 (General Biology) 4cr 4. Remove HE 125 (1st Aid and Industrial Safety) 3cr 5. Remove MTH 65 (Intro Algebra) 4cr 6. Add IMT 103 (Industrial Mathematics) 4cr 7. Add DRF 270 (SolidWorks Fundamentals) 3cr 8. Add WLD 112 (SMAW 7018) 4cr 9. Increase credit: IMT 102 (Industrial Safety: OSHA) 4cr 10. Increase credit to earn certificate 11. Update related instruction template 		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and	<input checked="checked" type="checkbox"/> Yes <input type="checkbox"/>	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including	Not applicable. TBCC Courses.

required courses	No	who was contacted.	
SECTION #2 REVISION AREAS			
Prerequisites			
Current Prerequisites	Does the revision involve changing certificate prerequisites?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Course Number	Course Title or Placement level		
Proposed Prerequisites			
Course Number	Course Title or Placement level		
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing certificate outcomes? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be addressed by the certificate outcomes.			
Certificate Outcome			Core Outcome
Students who complete this certificate should be able to:			
Apply concepts gained in composition to develop and present public presentations in professional settings.			Not Applicable - TBCC
Use concepts of the scientific and mathematical method in areas such as: rigging, hydraulics, pneumatics, and electrical theory commonly used in modern manufacturing processes.			
Apply various theories of interpersonal and individual relationships and constructive team participation in work			

situations where common goals exist.	
Revised Outcomes:	
Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the certificate outcomes.	
Certificate Outcome	Core Outcome
Students who complete this certificate should be able to:	
Apply collegiate level thought processes in writing and computer literacy as necessary in the workplace.	Not applicable - TBCC
Apply OSHA certified practices as well as Red Cross safety and 1 st Aid procedures to insure safe working environment.	
Use blueprints and techniques of SMAW to make repairs and build equipment in industrial settings.	
Apply concepts gained in composition to develop and present public presentations in professional settings.	
Use concepts of the scientific and mathematical method in areas such as: rigging, hydraulics, pneumatics, and electrical theory commonly used in modern manufacturing processes.	
Apply various theories of interpersonal and individual relationships and constructive team participation in work situations where common goals exist.	
Related Instruction	
Does the revision involve changing or adding Related Instruction?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, a template for Related Instruction will need to be filled out. The template can be found at: (http://www.pcc.edu/recourses/academic/eac/degree/forms.html)	
Additional Comments Or Changes	

SECTION #3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they are identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.

If you want to rearrange the order of courses within the term by term sequence do so on this form.

If you are removing a course identify the course with (remove) and bold the text.

If the course title is changed identify the course with (title change) and bold the text.

If the course credits have changed identify the course with (increase or decrease credit) and bold the text.

If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

Current Certificate Information			Proposed Certificate Information		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
BI 101	General Biology (remove)	4	CAS 133	Basic Computer Skills (add)	4
CIS 120	Computer Concepts I (remove)	4	DRF 270	SolidWorks Funsamentals (add)	3
HE 125	First Aid and Industrial Safety (remove)	3	IMT102	Industrial Safety: OSHA (increase credits)	4
IMT 102	Industrial Safety: OSHA	3	IMT 104	Rigging	3
IMT 104	Rigging	3	IMT 105	Industrial Hydraulics I	3
IMT 105	Industrial Hydraulics I	3	PSY 101	Psych and Human Relations	4
PSY 101	Psych and Human Relations	4	SP 111	Public Speaking	4
SP 111	Public Speaking	4	WLD 102	Blueprint Reading	4
WLD 102	Blueprint Reading	4	WLD 111	SMAW/Oxy-Acetylene Cutting	4
WLD 111	SMAW/Oxy-Acetylene Cutting	4	WLD 112	SMAW (7018) (add)	4
WR 121	English Composition	4	WR 121	English Composition	4
MTH 65	Intro Algebra (remove)	4	IMT 103	Industrial Mathematics (add)	4
	Electives	9		Electives	9
	Credit total	53		Credit total	54

SECTION #4 (Please contact the Curriculum Office for support in filling out this section)			
Is this a Related Certificate?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this a Career Pathway?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, what is the base degree?	Industrial Maintenance Technology	Will the proposed change affect the Career Pathway or Related Certificate? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, how?	Course changes and increased credit for the 1 year certificate.		
Is this a statewide certificate? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, has the change been approved by the consortium? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)		Fall 2013 (TBCC)	

Submitted by:	Lori Gates
Email:	gates@tillamookbay.cc
Phone:	503-842-8222 x 1030

Next steps:

1. Save the completed Certificate Revision Request Form and submit as an e-mail attachment to dac@pcc.edu
2. If needed, attach the Related Instruction Form to the same e-mail.
3. Download and print the Associate of Applied Science/Certificate Revision Signature Page Form and obtain the appropriate signatures.
4. Staple the signed Associate of Applied Science/Certificate Revision Signature Page Form to a hard copy of the Certificate Revision Request Form (electronic version has already been sent in step one). Send both forms to Curriculum Office, Downtown Center DC 4th floor via campus mail.

Template for Related Instruction in Certificates

45 to 60 credits Industrial Maintenance Technology					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
BKT	101	Basket Weaving Basics	4	120	6	12	8	26
courses used for embedded related instruction				0				No RI
				0				No RI
				0				No RI
				0				No RI
				0				No RI
courses used for stand-alone related instruction				0				No RI
WR	121	English Composition	4	120		120.00		120.00
PSY	101	Psych & Human Relations	4	120			120.00	120.00
IMT	103	Applied Industrial Tech. Math.	4	120	120.00			120.00
Totals			12	360	120.00	120.00	120.00	360.00
Minimum for 1 yr certificate:					48.00	48.00	48.00	240.00
Remaining to meet Min. Requirement:					0.00	0.00	0.00	0.00

	YES	NO
All courses identified as embedded related instruction are approved by the curriculum committee for RI?		
Related instruction instructor qualification forms are filed with the VP Academic & Student Affairs?		



**CERTIFICATE
REVISION REQUEST
FORM**

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dac@pcc.edu

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Curriculum Office DC 4th floor

SECTION #1 OVERVIEW

Current Title:	Industrial Maintenance Technology (Pathway certificate)	Proposed Title:	
Current Credits:	26	Proposed Credits:	24
Overview and rationale for proposed changes:	The primary objective of the IMT program is to equip students with usable and relevant skills as they enter/continue in the industrial workforce. The IMT advisory committee strives to align the IMT curriculum so that it applies to real industrial environments. Through the committee's ongoing assessment of the program, it has been found that the addition and deletion of certain curriculum will be necessary in order to carry out the primary objective. Therefore, the IMT advisory committee is proposing the following changes for the IMT Pathway certificate.		
List of specific changes being proposed which may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes etc. Use consistent words – Add, Remove, Increase, Decrease, Change	<ol style="list-style-type: none"> 1. Remove CIS 120 (Computer Concepts I) 2. Add CAS 133 (Basic Computer Skills, Microsoft Office). 3. Remove HE 125 (1st Aid and Industrial Safety) 4. Increase credit IMT 102 (Industrial Safety: OSHA) 5. Remove MTH 65 (Intro Algebra) 6. Add IMT 103 (Industrial Mathematics) 7. Decrease total credits in certificate 		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	

SECTION #2 REVISION AREAS

Prerequisites			
Current Prerequisites	Does the revision involve changing certificate prerequisites?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Course Number	Course Title or Placement level		
Proposed Prerequisites			
Course Number	Course Title or Placement level		
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing certificate outcomes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be addressed by the certificate outcomes.			
Certificate Outcome			Core Outcome
Students who complete this certificate should be able to:			
Apply collegiate level thought processes in writing and computer literacy as necessary in the workplace.			Not Applicable - TBCC
Apply OSHA certified practices as well as Red Cross safety and 1 st Aid procedures to insure safe working environment.			
Use blueprints and techniques of SMAW to make repairs and build equipment in industrial settings.			
Revised Outcomes:			
Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the certificate outcomes.			
Certificate Outcome			Core Outcome
Students who complete this certificate should be able to:			

Related Instruction	
Does the revision involve changing or adding Related Instruction?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, a template for Related Instruction will need to be filled out. The template can be found at: (http://www.pcc.edu/recources/academic/eac/degree/forms.html)	
Additional Comments Or Changes	

SECTION #3 COURSE BY COURSE COMPARISON					
<p>List all courses (current AND proposed) in the order that they are distributed in the catalog. If listed term by term then identify them in a term by term sequence on this form. If they are identified within categories such as CORE, ELECTIVES, etc, then identify them as such.</p> <p>If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line. If you want to rearrange the order of courses within the term by term sequence do so on this form. If you are removing a course identify the course with (remove) and bold the text. If the course title is changed identify the course with (title change) and bold the text. If the course credits have changed identify the course with (increase or decrease credit) and bold the text. If you need more lines to accommodate the courses, right click and insert rows.</p> <p>The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.</p>					
Current Certificate Information			Proposed Certificate Information		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
CIS 120	Computer Concepts I (remove)	4	CAS 133	Basic Computer Skills (add)	4
HE 125	First Aid and Industrial Safety (remove)	3	IMT102	Industrial Safety: OSHA (increase credits)	4
IMT 102	Industrial Safety: OSHA	3	WLD 102	Blueprint Reading	4
WLD 102	Blueprint Reading	4	WLD 111	SMAW/Oxy-Acetylene Cutting	4
WLD 111	SMAW/Oxy-Acetylene Cutting	4	WR 121	English Composition	4

WR 121	English Composition	4	IMT 103	Industrial Mathematics (add)	4
MTH 65	Intro Algebra (remove)	4			
	Credit total	26		Credit total	24

SECTION #4 (Please contact the Curriculum Office for support in filling out this section)			
Is this a Related Certificate?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this a Career Pathway?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, what is the base degree?	Industrial Maintenance Technology	Will the proposed change affect the Career Pathway or Related Certificate? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, how?	Will reduce required credits for Career Pathways certificate.		
Is this a statewide certificate?		If yes, has the change been approved by the consortium?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)		Fall 2013 (TBCC)	

Submitted by:	Lori Gates
Email:	gates@tillamookbay.cc
Phone:	503-842-8222 x 1030

STARTING OPTIONS

[TBCC Catalog](#) | [Skills Development](#) | [Student Services](#) | [Financial Aid](#) | [Program Information](#)

High School Students

Courses and program will be connected to and articulated with high schools via College Now credit.

Adult Students

Adult learners (including non-traditional students, ESOL students, and dislocated workers) start with ABE/GED or Compass Placement Testing and begin at the appropriate level.

ENTRANCE CONSIDERATIONS

• Admission to TBCC

• Placement into: RD 115, WR 115, MTH 20

• Apprenticeship* in a trade

* Millwright Apprentices: Courses are connected to approved apprenticeship programs. Participating employers are Stimson Lumber and Tillamook Lumber (Hampton Affiliates).

PATHWAYS CERTIFICATE

[Industrial Maintenance Technology](#) [PDF]

24 Credits

Outcomes: Students will apply collegiate-level thought processes in writing and computer literacy as necessary in the workplace; apply OSHA certified practices as well as Red Cross safety and first aid procedures to insure a safe working environment; and use Blueprints and techniques of SMAW to make repairs and build equipment in industrial settings.

EMPLOYMENT

\$9.10 - \$25.46/hour

- [Installation, Maintenance & Repair Workers](#)
- [Machine Assemblers](#)

ONE-YEAR CERTIFICATE

[Industrial Maintenance Technology](#) [PDF]

54 Credits

Outcomes: Students who complete this certificate will be able to: apply concepts gained in composition to develop and present public presentations in professional settings; use concepts of the scientific and mathematical method in areas ranging from biological and physical sciences to applications of electrical theory, rigging and hydraulics commonly used in modern world class manufacturing; apply various theories of interpersonal and individual relationships and constructive team participation in work situations where common goals exist.

EMPLOYMENT

\$9.10 - \$27.72/hour

- [Installation, Maintenance & Repair Workers](#)
- [Machine Assemblers](#)
- [Machinery Maintenance Workers](#)

ASSOCIATE OF APPLIED SCIENCE DEGREE

[Industrial Maintenance Technology](#) [PDF]

90 Credits

Outcomes: Students who successfully complete this degree will be able to: integrate scientific and mathematical concepts in diagnosis and repair of industrial equipment; apply scientific and mathematical concepts as well as technological applications in the improvement of work process and production efficiencies in a work place; apply concepts from communication and personality disciplines to aid team building process and product improvement as well as assist in other life roles.

EMPLOYMENT

\$16.27 - \$35.50/hour

- [Millwright](#)
- [Industrial Machinery Mechanic](#)

RELATED BACHELOR DEGREE OPTIONS

The following programs provide opportunities for educational advancement. **Some credits may transfer.**

Specific transfers:

- Bachelor of Science in [Manufacturing Engineering Technology](#): Oregon Institute of Technology (OIT)

General transfer information:

- [ASOT](#)
- [Oregon University System](#)
- [Career Options](#)
- [Map of Post Secondary Institutions in Oregon](#) [PDF]

ARTICULATED BACHELOR DEGREE TRANSFER OPTIONS

There are no current articulation agreements to Bachelor degree programs at this time.



ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM

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Curriculum Office DC / 4th floor**

SECTION # 1 OVERVIEW

Current Title:	Landscape Technology: Construction	Proposed Title:	Landscape Technology: Construction
Current Credits:	91	Proposed Credits:	91
Overview and rationale for proposed changes:	The SAC decided that the Sustainable Landscape Water Management class had too much overlap with the Sustainable Landscaping class. We are therefore eliminating the Sustainable Landscape Water Management class from the curriculum. In place of that class we will add LAT 275, Introduction to Night Lighting.		
List of specific changes being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc). Use simple text such as Add, Remove, Change, Revise to inform the reader of the changes desired.	1. Remove LAT 273 2. Add LAT 275		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	

SECTION # 2 PREREQUISITES AND OUTCOMES

All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.

Current Prerequisites	Does the revision involve changing degree prerequisites?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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Course Number	Course Title or Placement level	
WR 115	Introduction to Expository Writing	4
RD 115	College Reading	4
Proposed Prerequisites		
Course Number	Course Title or Placement level	
WR 115	Introduction to Expository Writing	4
RD 115	College Reading	4
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing degree outcomes? <input type="checkbox"/> Yes x <input checked="" type="checkbox"/> No
Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.		
Degree Outcome		Core Outcome
<i>Students who complete this degree should be able to:</i>		
-Identify, select, and safely operate equipment and tools for landscape construction		-Professional competence
-Identify, select and install materials for landscape construction using current industry standards		-Professional competence
-use computational skills to solve landscape construction problems		-Critical thinking and problem solving
-Follow legal and business practices for landscape construction		-Professional competence
-Communicate effectively using verbal, written and/or graphic skills, individually or as a member of a team.		-Communication
- Assess and change practices cultivating care for the earth using an understanding of current environmental and sustainable issues as they directly impact the landscape industry.		-Community and Environmental

	Responsibility
Revised Outcomes: Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.	
Degree Outcome	Core Outcome
<i>Students who complete this degree should be able to:</i>	
-Identify, select, and safely operate equipment and tools for landscape construction	-Professional competence
-Identify, select and install materials for landscape construction using current industry standards	-Professional competence
-use computational skills to solve landscape construction problems	-Critical thinking and problem solving
-Follow legal and business practices for landscape construction	-Professional competence
-Communicate effectively using verbal, written and/or graphic skills, individually or as a member of a team.	-Communication
- Assess and change practices cultivating care for the earth using an understanding of current environmental and sustainable issues as they directly impact the landscape industry.	-Community and Environmental Responsibility

SECTION # 3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.

If you want to rearrange the order of courses within the term by term sequence do so on this form.

If you are removing a course identify the course with (remove) and bold the text.

If the course title is changed identify the course with (title change) and bold the text.

If the course credits have changed identify the course with (increase or decrease credit) and bold the text.

If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	COURSE TITLE	CREDITS	COURSE NUMBER	COURSE TITLE	CREDITS
	First Term			First Term	
HOR 226	Plant Materials—Deciduous	4	HOR 226	Plant Materials—Deciduous	4
LAT 106	Basic Horticulture	4	LAT 106	Basic Horticulture	4
LAT 111	Landscape Construction Practices	3	LAT 111	Landscape Construction Practices	3
LAT 236	Landscape Math	3	LAT 236	Landscape Math	3
	Second Term			Second Term	
CSS 200	Soils and Plant Nutrition	4	CSS 200	Soils and Plant Nutrition	4
HOR 227	Plant Materials—Evergreen	4	HOR 227	Plant Materials—Evergreen	4
LAT 272	Sustainable Landscaping	3	LAT 275	Introduction to Landscape Night Lighting (ADD)	3
	Landscape Construction Electives	3		Landscape Construction Electives	3
	Third Term			Third Term	
HOR 228	Plant Materials—Flowering	4	HOR 228	Plant Materials—Flowering	4
HOR 290	Introduction to Landscape Design	3	HOR 290	Introduction to Landscape design	3
LAT 108	Landscape Irrigation I	3	LAT 108	Landscape Irrigation I	3
LAT 110	Grounds Maintenance	3	LAT 110	Grounds Maintenance	3
	Fourth Term			Fourth Term	
	Landscape Construction Electives	3		Landscape Construction Electives	3
	General Education	8		General Education	8
	Fifth Term			Fifth Term	
LAT 211	Landscape Construction Practices II	3	LAT 211	Landscape Construction Practices II	3
LAT 223	Site Surveying and Analysis	3	LAT 223	Site Surveying and Analysis	3
LAT 232	Landscape Irrigation II	4	LAT 232	Landscape Irrigation II	4
	General Education	4		General Education	4
	Sixth Term			Sixth Term	
LAT 243	Landscape Business Operations	3	LAT 243	Landscape Business Operations	3
LAT 264	Landscape Estimating and Bidding	3	LAT 264	Landscape Estimating and Bidding	3
LAT 273	Sustainable Landscape Water Management—(Remove)	3	LAT 272	Sustainable Landscaping	3
	General Education	4		General Education	4
	Seventh Term			Seventh Term	
LAT 224	Grading and Drainage	3	LAT 224	Grading and Drainage	3

LAT 280A	CE: Landscape	6	LAT 280A	CE: Landscape	6
MSD 101	Principles of Management and Supervision	3	MSD 101	Principles of Management and Supervision	3
	Landscape Construction AAS Electives List			Landscape Construction AAS Electives List	
HOR255	Spring Annuals and Perennials	3	HOR255	Spring Annuals and Perennials	3
HOR272	Summer Annuals and Perennials	3	HOR272	Summer Annuals and Perennials	3
HOR291	Landscape Design Process	3	HOR291	Landscape Design Process	3
LAT109	Plant Propagation	3	LAT109	Plant Propagation	3
LAT214	Plant Composition I	3	LAT214	Plant Composition I	3
LAT219	Landscape Illustration	3	LAT219	Landscape Illustration	3
LAT225	Water Gardens	3	LAT225	Water Gardens	3
LAT235	Tree Care - Fall	3	LAT235	Tree Care - Fall	3
LAT240	Tree Care - Spring	3	LAT240	Tree Care - Spring	3
LAT250	Plant Diseases, Insects and Weed Identification	3	LAT250	Plant Diseases, Insects and Weed Identification	3
LAT262	Native Plants of Oregon	3	LAT262	Native Plants of Oregon	3
LAT271	Computer Aided Landscape Design	3	LAT271	Computer Aided Landscape Design	3
LAT 104	Pesticides	3	LAT 104	Pesticides	3
LAT275	Introduction to Landscape Night Lighting	3	LAT275	Introduction to Landscape Night Lighting	3
LAT278	Oregon LCP Exam Preparation	3	LAT278	Oregon LCP Exam Preparation	3
LAT 217	Landscape Drafting	3	LAT 217	Landscape Drafting	3
LAT 241	Turfgrass Cultural Practices	3	LAT 241	Turfgrass Cultural Practices	3
HOR 266	Interior Plants	3	HOR 266	Interior Plants	3
	Credit Total	91		Total	91
SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)					
Is this a statewide degree?					
Is this a degree option?	x <input type="checkbox"/> Yes <input type="checkbox"/> No		If yes, name of the base degree:		Landscape Technology

Are there any career pathway(s) or related certificates attached to this degree?	<input type="checkbox"/> Yes x <input type="checkbox"/> No	If yes, name of career pathway(s) or related certificate	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)			Winter 2014

Submitted By:	Elizabeth Brewster
Email:	Elizabeth.brewster1@pcc.edu



**ASSOCIATE OF APPLIED SCIENCE DEGREE
REVISION REQUEST FORM**

**Directions: Fill out completely and
return electronically to:
dac@pcc.edu
Signature pages should be intercampus mailed to:
Curriculum Office DC / 4th floor**

SECTION # 1 OVERVIEW

Current Title:	Landscape Technology: Design	Proposed Title:	Landscape Technology: Design
Current Credits:	96	Proposed Credits:	93
Overview and rationale for proposed changes:	The SAC decided that the Sustainable Landscape Water Management class had too much overlap with the Sustainable Landscaping class. We are therefore eliminating the Sustainable Landscape Water Management class from the curriculum. As a result we are dropping the degree credits to 93.		
List of specific changes being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc). Use simple text such as Add, Remove, Change, Revise to inform the reader of the changes desired.	1. Remove LAT 273 2. Reduce degree credits to 93		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	

SECTION # 2 PREREQUISITES AND OUTCOMES

All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.

Current Prerequisites	Does the revision involve changing degree prerequisites?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Course Number	Course Title or Placement level	
WR 115	Introduction to Expository Writing	4
RD 115	College Reading	4
Proposed Prerequisites		
Course Number	Course Title or Placement level	
WR 115	Introduction to Expository Writing	4
RD 115	College Reading	4
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing degree outcomes? <input type="checkbox"/> Yes x <input checked="" type="checkbox"/> No
Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.		
Degree Outcome		Core Outcome
<i>Students who complete this degree should be able to:</i>		
-Collect, analyze, synthesize and summarize data for application toward landscape design, including plantings and hardscapes.		-Professional Competence -Critical Thinking and Problem Solving
-Follow legal and business practices for landscape design		-Professional Competence
-Communicate effectively using verbal, written and/or graphic skills, individually or as a member of a team.		-Communication
- Assess and change practices cultivating care for the earth using an understanding of current environmental and sustainable issues as they directly impact the landscape industry.		Community and Environmental Responsibility

Revised Outcomes:

Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.

Degree Outcome	Core Outcome
<i>Students who complete this degree should be able to:</i>	
-Collect, analyze, synthesize and summarize data for application toward landscape design, including plantings and hardscapes.	-Professional Competence -Critical Thinking and Problem Solving
-Follow legal and business practices for landscape design	-Professional Competence
-Communicate effectively using verbal, written and/or graphic skills, individually or as a member of a team.	-Communication
- Assess and change practices cultivating care for the earth using an understanding of current environmental and sustainable issues as they directly impact the landscape industry.	Community and Environmental Responsibility

SECTION # 3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.

If you want to rearrange the order of courses within the term by term sequence do so on this form.

If you are removing a course identify the course with (remove) and bold the text.

If the course title is changed identify the course with (title change) and bold the text.

If the course credits have changed identify the course with (increase or decrease credit) and bold the text.

If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	COURSE TITLE	CREDITS	COURSE NUMBER	COURSE TITLE	CREDITS
	First Term				
HOR 226	Plant Materials-Deciduous	4	HOR 226	Plant Materials-Deciduous	4

LAT 106	Basic Horticulture	4	LAT 106	Basic Horticulture	4
LAT 111	Landscape Construction Practices	3	LAT 111	Landscape Construction Practices	3
LAT 236	Landscape Math	3	LAT 236	Landscape Math	3
	Second Term			Second Term	
CSS 200	Soils and Plant Nutrition	4	CSS 200	Soils and Plant Nutrition	4
HOR 227	Plant Materials-Evergreen	4	HOR 227	Plant Materials-Evergreen	4
LAT 272	Sustainable Landscaping	3		General Education	4
	Landscape Design Electives	3		Landscape Design Electives	3
	Third Term			Third Term	
HOR 228	Plant Materials-Flowering	4	HOR 228	Plant Materials-Flowering	4
HOR 290	Introduction to Landscape Design	3	HOR 290	Introduction to Landscape Design	3
LAT 108	Landscape Irrigation I	3	LAT 108	Landscape Irrigation I	3
LAT 110	Grounds Maintenance	3	LAT 110	Grounds Maintenance	3
	Fourth Term			Fourth Term	
	Landscape Design Electives	3		Landscape Design Electives	3
	General Education	8		General Education	8
	Fifth Term			Fifth Term	
LAT 214	Plant Composition I	3	LAT 214	Plant Composition I	3
LAT 217	Landscape Drafting	3	LAT 217	Landscape Drafting	3
LAT 223	Site Surveying and Analysis	3	LAT 223	Site Surveying and Analysis	3
	General Education	4		General Education	4
	Sixth Term			Sixth Term	
HOR 291	Landscape Design Process	3	HOR 291	Landscape Design Process	3
LAT 243	Landscape Business Operations	3	LAT 243	Landscape Business Operations	3
LAT 264	Landscape Estimating and Bidding	3	LAT 264	Landscape Estimating and Bidding	3
LAT 273	Sustainable Landscape Water Management (REMOVE)	3	LAT 272	Sustainable Landscaping	3
	Seventh Term			Seventh Term	
HOR 255 Or HOR 272	Spring Annuals and Perennials or Summer Annuals and Perennials	3	HOR 255 Or HOR 272	Spring Annuals and Perennials or Summer Annuals and Perennials	3
LAT 219	Landscape Illustration	3	LAT 219	Landscape Illustration	3
LAT 224	Grading and Drainage	3	LAT 224	Grading and Drainage	3
LAT 271	Computer Aided Landscape Design	3	LAT 271	Computer Aided Landscape Design	3
	Eighth Term			Eighth Term	

LAT 280C	CE: Landscape Design	3	LAT 280C	CE: Landscape Design	3
	General Education	4			
	Landscape Design Electives List			Landscape Design Electives List	
LAT104	Pesticides	3	LAT104	Pesticides	3
LAT225	Water Gardens	3	LAT225	Water Gardens	3
LAT235	Tree Care - Fall	3	LAT235	Tree Care - Fall	3
LAT240	Tree Care - Spring	3	LAT240	Tree Care - Spring	3
LAT241	Turfgrass Cultural Practices	3	LAT241	Turfgrass Cultural Practices	3
LAT250	Plant Diseases, Insects and Weed Identification	3	LAT250	Plant Diseases, Insects and Weed Identification	3
LAT262	Native Plants of Oregon	3	LAT262	Native Plants of Oregon	3
LAT275	Introduction to Landscape Night Lighting	3	LAT275	Introduction to Landscape Night Lighting	3
LAT278	Oregon LCP Exam Preparation	3	LAT278	Oregon LCP Exam Preparation	3
LAT104	Pesticides	3	LAT104	Pesticides	3
HOR 266	Interior Plants	3	HOR 266	Interior Plants	3
LAT 109	Plant Propagation	3	LAT 109	Plant Propagation	3
LAT 232	Irrigation II	4	LAT 232	Irrigation II	4
LAT 211	Landscape Construction II	3	LAT 211	Landscape Construction II	3
HOR 255	Spring Annuals and Perennials	3	HOR 255	Spring Annuals and Perennials	3
HOR 272	Summer Annuals and Perennials	3	HOR 272	Summer Annuals and Perennials	3
	Credit Total	96		Total	93

SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)

Is this a statewide degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Has the change been approved by the consortium?	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Is this a	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, name of the base			

degree option?		degree: Landscape Technology			
Are there any career pathway(s) or related certificates attached to this degree?	<input type="checkbox"/> Yes x <input checked="" type="checkbox"/> No	If yes, name of career pathway(s) or related certificate			
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)				Winter 2014	

Submitted By:	Elizabeth Brewster
Email:	Elizabeth.brewster1@pcc.edu

Next steps:

1. Save the completed Associate of Applied Science Revision Request Form and submit as an e-mail attachment to dac@pcc.edu.
2. Download and print the Associate of Applied Science Revision Signature Page Form and obtain the appropriate signatures.
3. Staple the signed Associate of Applied Science Signature Page Form to a hard copy of the Associate of Applied Science Revision Request Form (electronic version has already been sent in step one). Send both forms to Curriculum Office, Downtown Center, DC - 4th floor via campus mail.



ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM

Directions: Fill out completely and
return electronically to:
dac@pcc.edu
Signature pages should be intercampus mailed to:
Curriculum Office DC / 4th floor

SECTION # 1 OVERVIEW

Current Title:	Landscape Technology: Management	Proposed Title:	Landscape Technology: Management
Current Credits:	96	Proposed Credits:	93
Overview and rationale for proposed changes:	The SAC decided that the Sustainable Landscape Water Management class had too much overlap with the Sustainable Landscaping class. We are therefore eliminating the Sustainable Landscape Water Management class from the curriculum. As a result we are dropping the degree credits to 93.		
List of specific changes being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc). Use simple text such as Add, Remove, Change, Revise to inform the reader of the changes desired.	1. Remove LAT 273 Sustainable Landscape Water Management 2. Reduce credits to 93		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	

SECTION # 2 PREREQUISITES AND OUTCOMES

All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.

Current Prerequisites	Does the revision involve changing degree prerequisites?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Course Number	Course Title or Placement level	
WR 115	Introduction to Expository Writing	4
RD 115	College Reading	4
Proposed Prerequisites		
Course Number	Course Title or Placement level	
WR 115	Introduction to Expository Writing	4
RD 115	College Reading	4
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing degree outcomes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.		
Degree Outcome		Core Outcome
<i>Students who complete this degree should be able to:</i>		
-Maintain landscapes in a competent manner using current industry practices for plantings, hardscapes, irrigation and drainage		Professional Competence
-Identify, select and safely operate equipment and tools for landscape management		Professional Competence
-Use computational skills to solve landscape management problems		Critical Thinking and Problem Solving
-Follow legal and business practices for landscape management		Professional Competence
-Communicate effectively using verbal, written and/or graphic skills, individually or as a member of a team.		Communication

- Assess and change practices cultivating care for the earth using an understanding of current environmental and sustainable issues as they directly impact the landscape industry.	Community and Environmental Responsibility
Revised Outcomes: Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.	
Degree Outcome	Core Outcome
<i>Students who complete this degree should be able to:</i>	
-Maintain landscapes in a competent manner using current industry practices for plantings, hardscapes, irrigation and drainage	Professional Competence
-Identify, select and safely operate equipment and tools for landscape management	Professional Competence
-Use computational skills to solve landscape management problems	Critical Thinking and Problem Solving
-Follow legal and business practices for landscape management	Professional Competence
-Communicate effectively using verbal, written and/or graphic skills, individually or as a member of a team.	Communication
- Assess and change practices cultivating care for the earth using an understanding of current environmental and sustainable issues as they directly impact the landscape industry.	Community and Environmental Responsibility

SECTION # 3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.

If you want to rearrange the order of courses within the term by term sequence do so on this form.

If you are removing a course identify the course with (remove) and bold the text.

If the course title is changed identify the course with (title change) and bold the text.

If the course credits have changed identify the course with (increase or decrease credit) and bold the text.

If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	COURSE TITLE	CREDITS	COURSE NUMBER	COURSE TITLE	CREDITS
	First Term			First Term	
HOR 226	Plant Materials—Deciduous	4	HOR 226	Plant Materials—Deciduous	4
LAT 106	Basic Horticulture	4	LAT 106	Basic Horticulture	4
LAT 111	Landscape Construction Practices	3	LAT 111	Landscape Construction Practices	3
LAT 236	Landscape Math	3	LAT 236	Landscape Math	3
	Second term			Second term	
HOR 227	Plant Materials—Evergreen	4	HOR 227	Plant Materials—Evergreen	4
LAT 272	Sustainable Landscaping	3		General Education	4
CSS 200	Soils and Plant Nutrition	4	CSS 200	Soils and Plant Nutrition	4
LAT 104	Pesticides	3	LAT 104	Pesticides	3
	Third Term			Third Term	
HOR 228	Plant Materials—Flowering	4	HOR 228	Plant Materials—Flowering	4
HOR 290	Introduction to Landscape Design	3	HOR 290	Introduction to Landscape Design	3
LAT 108	Landscape Irrigation I	3	LAT 108	Landscape Irrigation I	3
LAT 110	Grounds Maintenance	3	LAT 110	Grounds Maintenance	3
	Fourth Term			Fourth Term	
	LAT Electives	3		LAT Electives	3
	General Education	8		General Education	8
	Fifth Term			Fifth Term	
LAT 235	Tree Care—Fall	3	LAT 235	Tree Care—Fall	3
LAT 280A	CE: Landscape	6	LAT 280A	CE: Landscape	6
	General Education	4		General Education	4
	Sixth Term			Sixth Term	
LAT 243	Landscape Business Operations	3	LAT 243	Landscape Business Operations	3
LAT 264	Landscape Estimating and Bidding	3	LAT 264	Landscape Estimating and Bidding	3
LAT 273	Sustainable Landscape Water Management--*Remove*	3	LAT 272	Sustainable Landscaping	3
MSD 101	Principles of Management and Supervision	3	MSD 101	Principles of Management and Supervision	3

	Seventh Term			Seventh Term	
HOR 255 or HOR 272	Spring Annuals and Perennials OR Summer Annuals and Perennials	3	HOR 255 or HOR 272	Spring Annuals and Perennials OR Summer Annuals and Perennials	3
LAT 240	Tree Care—Spring	3	LAT 240	Tree Care—Spring	3
LAT 241	Turfgrass Cultural Practices	3	LAT 241	Turfgrass Cultural Practices	3
LAT 250	Plant Disease, Insects, and Weed Identification	3	LAT 250	Plant Disease, Insects, and Weed Identification	3
	Eighth Term			Eighth Term	
	Landscape Management Electives	3		Landscape Management Electives	3
	General Education	4			
	Landscape Management AAS Electives List	6		Landscape Management AAS Electives List	6
HOR291	Landscape Design Process	3	HOR291	Landscape Design Process	3
LAT214	Plant Composition I	3	LAT214	Plant Composition I	3
LAT217	Landscape Drafting	3	LAT217	Landscape Drafting	3
LAT219	Landscape Illustration	3	LAT219	Landscape Illustration	3
LAT225	Water Gardens	3	LAT225	Water Gardens	3
LAT232	Landscape Irrigation II	4	LAT232	Landscape Irrigation II	4
LAT262	Native Plants of Oregon	3	LAT262	Native Plants of Oregon	3
LAT271	Computer Aided Landscape Design	3	LAT271	Computer Aided Landscape Design	3
LAT275	Introduction to Landscape Night Lighting	3	LAT275	Introduction to Landscape Night Lighting	3
LAT278	Oregon LCP Exam Preparation	3	LAT278	Oregon LCP Exam Preparation	3
HOR 266	Interior Plants	3	HOR 266	Interior Plants	3
LAT 109	Plant Propagation	3	LAT 109	Plant Propagation	3
LAT 223	Site Surveying and Analysis	3	LAT 223	Site Surveying and Analysis	3
LAT 211	Landscape Construction II	3	LAT 211	Landscape Construction II	3
LAT 224	Grading and Drainage	3	LAT 224	Grading and Drainage	3
HOR 255	Spring Annuals and Perennials	3	HOR 255	Spring Annuals and Perennials	3
HOR 272	Summer Annuals and Perennials	3	HOR 272	Summer Annuals and Perennials	3
	Credit Total	96		Total	93

SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)

Is this a statewide degree?				<input type="checkbox"/>
Is this a degree option?	x <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, name of the base degree:	Landscape Technology	
Are there any career pathway(s) or related certificates attached to this degree?	<input type="checkbox"/> Yes x <input type="checkbox"/> No	If yes, name of career pathway(s) or related certificate		
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)			Winter 2014	

Submitted By:	Elizabeth Brewster
Email:	Elizabeth.brewster1@pcc.edu

Next steps:

1. Save the completed Associate of Applied Science Revision Request Form and submit as an e-mail attachment to dac@pcc.edu.
2. Download and print the Associate of Applied Science Revision Signature Page Form and obtain the appropriate signatures.
3. Staple the signed Associate of Applied Science Signature Page Form to a hard copy of the Associate of Applied Science Revision Request Form (electronic version has already been sent in step one). Send both forms to Curriculum Office, Downtown Center, DC - 4th floor via campus mail.



ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM

**Directions: Fill out completely and
return electronically to:
dac@pcc.edu
Signature pages should be intercampus mailed to:
Curriculum Office DC / 4th floor**

SECTION # 1 OVERVIEW

Current Title:	Environmental Landscape Management Technology AAS	Proposed Title:	
Current Credits:	92	Proposed Credits:	92
Overview and rationale for proposed changes:	The SAC decided that the Sustainable Landscape Water Management class had too much overlap with the Sustainable Landscaping class. We are therefore eliminating the Sustainable Landscape Water Management class from the curriculum. We will replace those credits with elective credits.		
List of specific changes being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc). Use simple text such as Add, Remove, Change, Revise to inform the reader of the changes desired.	1. Remove LAT 273 2. Add 3 elective credits in LAT, ESR, or BI		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	

SECTION # 2 PREREQUISITES AND OUTCOMES

All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.

Current Prerequisites	Does the revision involve changing degree prerequisites?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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Course Number	Course Title or Placement level	
	Placement into WR 115	
	Placement into RD 115	
	Math 20	
Proposed Prerequisites		
Course Number	Course Title or Placement level	
	Placement into WR 115	
	Placement into RD 115	
	Math 20	
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing degree outcomes? <input type="checkbox"/> Yes x <input checked="" type="checkbox"/> No
Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.		
Degree Outcome		Core Outcome
<i>Students who complete this degree should be able to:</i>		
-Maintain, install or monitor low impact development sites following accepted professional standards		Professional Competence
-Work within the ethical and professional parameters of current low impact development practices and regulations		Professional Competence
- Assess and change practices using an understanding of current environmental and sustainable issues		-Community and Environmental Responsibility -Critical Thinking and Problem Solving
-Communicate effectively using verbal, written and/or graphic skills, individually or as a member of a team.		Communication
Revised Outcomes: Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS		

degree outcomes.	
Degree Outcome	Core Outcome
<i>Students who complete this degree should be able to:</i>	
-Maintain, install or monitor low impact development sites following accepted professional standards	Professional Competence
-Work within the ethical and professional parameters of current low impact development practices and regulations	Professional Competence
- Assess and change practices using an understanding of current environmental and sustainable issues	-Community and Environmental Responsibility -Critical Thinking and Problem Solving
-Communicate effectively using verbal, written and/or graphic skills, individually or as a member of a team.	Communication

SECTION # 3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.

If you want to rearrange the order of courses within the term by term sequence do so on this form.

If you are removing a course identify the course with (remove) and bold the text.

If the course title is changed identify the course with (title change) and bold the text.

If the course credits have changed identify the course with (increase or decrease credit) and bold the text.

If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	COURSE TITLE	CREDITS	COURSE NUMBER	COURSE TITLE	CREDITS
	First Term			First Term	
LAT 106	Basic Horticulture	4	LAT 106	Basic Horticulture	4
LAT 236	Landscape Math	3	LAT 236	Landscape Math	3
BI 141*	Habitats: Life of the Forest*	4	BI 141*	Habitats: Life of the Forest*	4
ESR 150	Environmental Studies	4	ESR 150	Environmental Studies Orientation	4

	Orientation				
ESR 160	Introduction to Environmental Systems	1	ESR 160	Introduction to Environmental Systems	1
	Second Term			Second Term	
CSS 200	Soils and Plant Nutrition	4	CSS 200	Soils and Plant Nutrition	4
LAT 104	Pesticides	3	LAT 104	Pesticides	3
LAT 272	Sustainable Landscaping	3	LAT 272	Sustainable Landscaping	3
Degree Elective	Any LAT, BI, or ESR class will count as a degree elective	6	Degree Elective	Any LAT, BI, or ESR class will count as a degree elective (ADD)	6
	Third Term			Third Term	
LAT 108	Landscape Irrigation I	3	LAT 108	Landscape Irrigation I	3
LAT 110	Grounds Maintenance	3	LAT 110	Grounds Maintenance	3
BI 143*	Habitats: Fresh Water Biology*	4	BI 143*	Habitats: Fresh Water Biology*	4
LAT 262	Native Plants of Oregon	3	LAT 262	Native Plants of Oregon	3
	Fourth Term			Fourth Term	
LAT 223	Site Surveying and Analysis	3	LAT 223	Site Surveying and Analysis	3
ESR 202	Applied Environmental Studies	4	ESR 202	Applied Environmental Studies	4
GEN ED	General Education—Social Science	4	GEN ED	General Education—Social Science	4
GEN ED	General Education—Arts and Letters	4	GEN ED	General Education—Arts and Letters	4
	Fifth Term			Fifth Term	
LAT 243	Landscape Business Operations	3	LAT 243	Landscape Business Operations	3
LAT 264	Landscape Estimating and Bidding	3	LAT 264	Landscape Estimating and Bidding	3
ESR 201	Applied Environmental Studies: Science /Policy	4	ESR 201	Applied Environmental Studies: Science /Policy Consideration	4

	Consideration				
LAT 273	Sustainable Landscape Water Management (REMOVE)	3	Degree Elective	Any LAT, BI, or ESR class will count as a degree elective (ADD)	3
	Sixth Term			Sixth Term	
LAT 224	Grading and Drainage	3	LAT 224	Grading and Drainage	3
LAT 250	Plant Diseases, Insects and Weed Identification	3	LAT 250	Plant Diseases, Insects and Weed Identification	3
Degree Elective	Any LAT, BI, or ESR class will count as a degree elective	3	Degree Elective	Any LAT, BI, or ESR class will count as a degree elective	3
ESR 204	Introduction to Environmental Restoration	4	ESR 204	Introduction to Environmental Restoration	4
	Seventh Term			Seventh Term	
LAT 280A	Cooperative Education	6	LAT 280A	Cooperative Education	6
	Total Credit	92		Total Credit	92

SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)

Is this a statewide degree?	<input type="checkbox"/> Yes x <input checked="" type="checkbox"/> No	Has the change been approved by the consortium?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is this a degree option?	<input type="checkbox"/> Yes x <input checked="" type="checkbox"/> No	If yes, name of the base degree:	
Are there any career pathway(s) or related certificates attached to this degree?	<input type="checkbox"/> Yes x <input checked="" type="checkbox"/> No	If yes, name of career pathway(s) or related certificate	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)			

Submitted By:	Elizabeth Brewster
Email:	Elizabeth.brewster1 @pcc.edu

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**CERTIFICATE
REVISION REQUEST
FORM**

**Directions: Fill out completely and
return electronically to:**
dac@pcc.edu

Signature pages should be intercampus mailed to:
Curriculum Office DC 4th floor

SECTION #1 OVERVIEW

Current Title:	Library Media Assistant	Proposed Title:	Library Assistant
Current Credits:	44	Proposed Credits:	44
Overview and rationale for proposed changes:	This revision includes the development of several new courses and revising existing courses. Rationale for revising this certificate include: 1) updating courses to meet current library workplace demands, 2) making the program available online to make it more accessible to students locally and across the state, 3) expanding the content of the courses beyond school (K-12) libraries, and 4) aligning our courses with the American Libraries Association (ALA) certification process for library support staff, as this broadens students' marketability in the workplace.		
List of specific changes being proposed which may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes etc. Use consistent words – Add, Remove, Increase, Decrease, Change	<ol style="list-style-type: none"> 1. UPDATE Certificate Outcomes 2. UPDATE Certificate Prerequisites: ADD LIB101 Library Research & Beyond 3. ADD ED113 Introduction to Library & Information Services 4. ADD ED118 Customer Service & Communication in Libraries 5. ADD ED119 Library Access Services 6. ADD ED122 Library Technical Services 7. ADD ED134 Library Technology I 8. ADD ED138 Library Cataloguing & Classification 9. ADD ED265 Library Capstone Portfolio 10. ADD ED209 Library Practicum I 11. ADD ED210 Library Practicum II 12. ADD ED211 Library Practicum III 13. ADD ED230 Preservation of Library Materials and Equipment 14. ADD ED232 Library Outreach to Diverse Communities 15. ADD ED235 Library Technology II 16. ADD ED238 Library Supervision & Management 17. TITLE CHANGE ED111 Library Collection Development 18. TITLE CHANGE ED114 Library Reference Services 		

	19. TITLE CHANGE ED136 Learning with Technology 20. REMOVE ED103 Desktop Publishing for Educators 21. REMOVE ED104 Multimedia for Educators 22. REMOVE ED109 Library Procedures 23. REMOVE ED171 Computers in Education II 24. REMOVE ED206 Seminar: Advanced Education Technologies 25. REMOVE ED270 Practicum I 26. REMOVE ED271 Practicum II 27. REMOVE ED272 Practicum III 28. ADD Elective list and list of courses in the elective list 29. CHANGE Certificate title		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	LIB101 prerequisite/corequisite has been discussed with Library SAC Chair Torie Scott and she has agreed to LIB101 as a prerequisite/corequisite for this certificate.
SECTION #2 REVISION AREAS			
Prerequisites			
Current Prerequisites	Does the revision involve changing certificate prerequisites?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Course Number	Course Title or Placement level		
WR 121	English Composition		
CAS 133	Basic Computer Skills/MS Office		
Proposed Prerequisites			
Course Number	Course Title or Placement level		
LIB 101	Library Research and Beyond		
WR 121	English Composition		
CAS 133	Basic Computer Skills/MS Office		

Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing certificate outcomes? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the certificate outcomes.		
Certificate Outcome		Core Outcome
Students who complete this certificate should be able to:		
1) Basic library skills, such as technical processing, circulation procedures, reference materials, and use of classification systems.		
2) Knowledge of children’s literature and literature promotion techniques.		
3) Planning and production of educational media including displays, desktop publishing, and multimedia programs.		
4) Using the Internet for researching information, email, graphic resources, and distance learning.		
5) Office skills such as word processing, database, and spreadsheet development and maintenance.		
Revised Outcomes: Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the certificate outcomes.		
Certificate Outcome		Core Outcome
Students who complete this certificate should be able to:		
1. Explain and promote the purpose and role of different library organizations, based on historical and philosophical foundations of library and information services.		Community and Environmental Responsibility
2. Analyze and describe the ethical, social, and legal issues (including intellectual freedom, copyright, open access, diversity, and patron privacy) surrounding access to, creation, retrieval, and use of materials and technology.		Cultural Awareness; Self-Reflection
3. Evaluate sources of information, develop and implement effective search strategies, and select and use appropriate information resources to meet user needs.		Critical Thinking and Problem Solving; Professional Competence
4. Apply standard methods and principles for selecting, acquiring, processing, organizing, maintaining, circulating, preserving, and deselecting library materials.		Professional Competence
5. Demonstrate the ability to embrace and adopt current and emerging technologies and solve		Critical Thinking and Problem Solving

technological problems when appropriate.		
6. Demonstrate collaborative behaviors, effective communication skills, and the appropriate use of customer service and decision making models, as guided by the ethical principles and core values of the library and information services profession, when working with diverse library groups, including users, colleagues, and other stakeholders.		Communication, Cultural Awareness
Related Instruction		
Does the revision involve changing or adding Related Instruction?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If yes, a template for Related Instruction will need to be filled out. The template can be found at: (http://www.pcc.edu/resources/academic/eac/degree/forms.html)		
Additional Comments Or Changes		

SECTION #3 COURSE BY COURSE COMPARISON
<p>List all courses (current AND proposed) in the order that they are distributed in the catalog. If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.</p> <p>If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line. If you want to rearrange the order of courses within the term by term sequence do so on this form. If you are removing a course identify the course with (remove) and bold the text. If the course title is changed identify the course with (title change) and bold the text. If the course credits have changed identify the course with (increase or decrease credit) and bold the text. If you need more lines to accommodate the courses, right click and insert rows.</p>

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.					
Current Certificate Information			Proposed Certificate Information		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
ED102	Displays and Graphics for Educators	3	ED113	Introduction to Library & Information Services (add)	3
ED103	Desktop Publishing for Educators (remove)	3	ED118	Customer Service & Communication in Libraries (add)	3
ED104	Multimedia for Educators (remove)	3	ED111	Library Collection Development (title change)	3
ED109	Library Procedures (remove)	3	ED114	Library Reference Services (title change)	3
ED111	Selection of Library Materials (title change)	3	ED119	Library Access Services (add)	3
ED112	Introduction to Children's Literature	3	ED122	Library Technical Services (add)	3
ED114	Reference Materials (title change)	3	ED134	Library Technology I (add)	3
ED115	Storytelling	2	ED138	Library Cataloging & Classification (add)	3
ED116	Literature for Adolescence and Young Adults	3	ED209	Library Practicum I (add)	3
ED136	Computers in Education (title change)	3	ED210	Library Practicum II (add)	3
ED171	Computers in Education II (remove)	3	ED265	Library Capstone Portfolio (add)	2
ED206	Seminar: Advanced Education Technologies (remove)	3			
ED224	Foundations of Education	3		Library Assistant Electives (add)	12
ED260	Multicultural Literature for Children and Young Adults	3	Library Assistant Elective List		
			ED136	Learning with Technology (title change)	3
ED270	Practicum I (remove)	3	ED211	Library Practicum III (add)	3
ED271	Practicum II (remove)	3	ED230	Preservation of Library Materials (add)	3

ED272	Practicum III (remove)	3	ED232	Library Outreach to Diverse Communities (add)	3
			ED235	Library Technology II (add)	3
			ED238	Library Supervision & Management (add)	3
			ED102	Displays and Graphics for Educators	3
			ED112	Introduction to Children's Literature	3
			ED116	Literature for Adolescence and Young Adults	3
			ED260	Multicultural Literature for Children and Young Adults	3
			ED115	Storytelling	2
			ED224	Foundations of Education	3
	Credit total	44		Credit total	44

SECTION #4 (Please contact the Curriculum Office for support in filling out this section)			
Is this a Related Certificate?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this a Career Pathway?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, what is the base degree?	N/A	Will the proposed change affect the Career Pathway or Related Certificate? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If yes, how?	N/A		
Is this a statewide certificate?		If yes, has the change been approved by the consortium?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)		Winter 2014	

Submitted by:	Lori Wamsley
Email:	Lori.wamsley@pcc.edu
Phone:	971-722-5229



ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM

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SECTION # 1 OVERVIEW

Current Title:	Ophthalmic Medical Technology	Proposed Title:	Same
Current Credits:	91	Proposed Credits:	97
Overview and rationale for proposed changes:	Addition of a basic pharmacology course from Medical Professions department to enhance student comprehension of ocular pharmacology required the following term. Increase practicum hours to comply with national accreditation standards, increase seminar hours to prepare students for summer term practicum.		
List of specific changes being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc). Use simple text such as Add, Remove, Change, Revise to inform the reader of the changes desired.	<ol style="list-style-type: none"> 1. Add: MP 135 Pharmacology for Allied Health – 3 credit hours. 2. Increase credit: OMT 231 – inc. from 1 credit hour to 2 credit hours. 3. Increase credit: OMT 122 – inc. from 2 credit hours to 4 credit hours. 4. Move: MP 150 from term 2 to term 4. 5. Increase total program credit hours from 91 cr. to 97 cr. 		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	Yes. Pharmacology for Allied Health developed in Medical Professions for all students interested in allied health careers.

SECTION # 2 PREREQUISITES AND OUTCOMES

All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.

Current Prerequisites	Does the revision involve changing degree prerequisites?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Course Number	Course Title or Placement level	
BI 121	Human Anatomy & Physiology	Completion prior to program entry
WR 121	English Composition	Completion prior to program entry
Math 65	Introductory Algebra – Second term	Completion prior to program entry
MP 111	General Medical Terminology	Completion prior to program entry
Proposed Prerequisites		
Course Number	Course Title or Placement level	
N/A		
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing degree outcomes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.		
Degree Outcome		Core Outcome
<i>Students who complete this degree should be able to:</i>		
1. Provide appropriate and safe patient care commensurate with their medical competency		Critical Thinking Professional Competency Communication Self reflection
2. Utilize effective oral and written communication skills with patients and health care personnel.		Professional Competence Communication
3. Apply knowledge of anatomy, physiology, and pathology to performing diagnostic tests and procedures.		Professional Competency Critical Thinking
4. Exhibit professional and ethical behavior in the ophthalmic workplace.		Professional Competence Self-reflection Critical thinking
5. Expand one's own career; adopting a model of lifelong learning and continuing education.		Professional Competence Self-reflection Community/Environmental

	responsibility
6. Prepared to take and pass national certification examination to become a Certified Ophthalmic Technician (COT).	Professional Competency Self-reflection Critical Thinking
Revised Outcomes: Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.	
Degree Outcome	Core Outcome
<i>Students who complete this degree should be able to:</i>	
N/A (unchanged)	

SECTION # 3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.
If you want to rearrange the order of courses within the term by term sequence do so on this form.
If you are removing a course identify the course with (remove) and bold the text.
If the course title is changed identify the course with (title change) and bold the text.
If the course credits have changed identify the course with (increase or decrease credit) and bold the text.
If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	COURSE TITLE	CREDITS	COURSE NUMBER	COURSE TITLE	CREDITS
	First Term			First Term	
BI 122	Intro to A & P	4	BI 122	Intro to A & P	4
OMT 145	Clinical Optics I	2	OMT 145	Clinical Optics I	2
OMT 163	Ocular A & P	2	OMT 163	Ocular A & P	2
OMT 115	Intro to Ophthalmics	2	OMT 115	Intro to Ophthalmics	2
PSY 101	Intro to Psychology	4	PSY 101	Intro to Psychology	4
	Second Term			Second Term	

OMT 104	Ophthalmic Office Procedures	3	OMT 104	Ophthalmic Office Procedures	3
OMT 146	Clinical Optics II	2	OMT 146	Clinical Optics II	2
OMT 102	Pharmacology/Eye Disease I	2	OMT 102	Pharmacology/Eye Disease I	2
HE 113	First Aid/CPR	1	HE 113	First Aid/CPR	1
MP 150	Intro to Elec. Health Records	3	MP 135	Pharmacology for Allied Health (add)	3
	Third Term			Third Term	
MA 131	Intro to Medical Science	5	MA 131	Intro to Medical Science	5
OMT 103	Pharmacology/Eye Disease	2	OMT 103	Pharmacology/Eye Disease	2
OMT 147	Clinical Optics III	2	OMT 147	Clinical Optics III	2
OMT 231	Seminar I	1	OMT 231	Seminar I (inc. cr. hrs.)	2
OMT 121	Practicum I	1	OMT 121	Practicum I	1
OMT 106	Intro to Clinical Skills	3	OMT 106	Intro to Clinical Skills	3
	Fourth Term			Fourth Term	
OMT 122	Practicum II	2	OMT 122	Practicum II (inc. cr. hrs.)	4
			MP 150	Intro to Elect. Health Records (move)	3
	Fifth Term			Fifth Term	
OMT 209	Surgical Assisting	4	OMT 209	Surgical Assisting	4
OMT 206	Diagnostic Procedures I	4	OMT 206	Diagnostic Procedures I	4
OMT 232	Seminar II	2	OMT 232	Seminar II	2
OMT 222	Practicum Second Year	4	OMT 222	Practicum Second Year	4
	Sixth Term			Sixth Term	
OMT 250	Ophthalmic Imaging	3	OMT 250	Ophthalmic Imaging	3
OMT 207	Diagnostic Procedures II	4	OMT 207	Diagnostic Procedures II	4
OMT 232	Seminar II	2	OMT 232	Seminar II	2
OMT 208	Ocular Motility	2	OMT 208	Ocular Motility	2
OMT 222	Practicum Second Year	4	OMT 222	Practicum Second Year	4
	Seventh Term			Seventh Term	
OMT 210	Advanced Diagnostics	4	OMT 210	Advanced Diagnostics	4
MP 140	Health Law & Prof. Standards	3	MP 140	Health Law & Prof. Standards	3
OMT 232	Seminar II	2	OMT 232	Seminar II	2
OMT 222	Practicum Second Year	4	OMT 222	Practicum Second Year	4
	General Ed. classes	8		General Ed. classes	8
	Credit Total	91		Total	97

SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)			
Is this a statewide degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Has the change been approved by the consortium?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is this a degree option?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name of the base degree:	
Are there any career pathway(s) or related certificates attached to this degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name of career pathway(s) or related certificate	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)			

Submitted By:	Joanne M. Harris, BS, COT, Faculty Department Chair, Ophthalmic Medical Technology
Email:	jmharris@pcc.edu

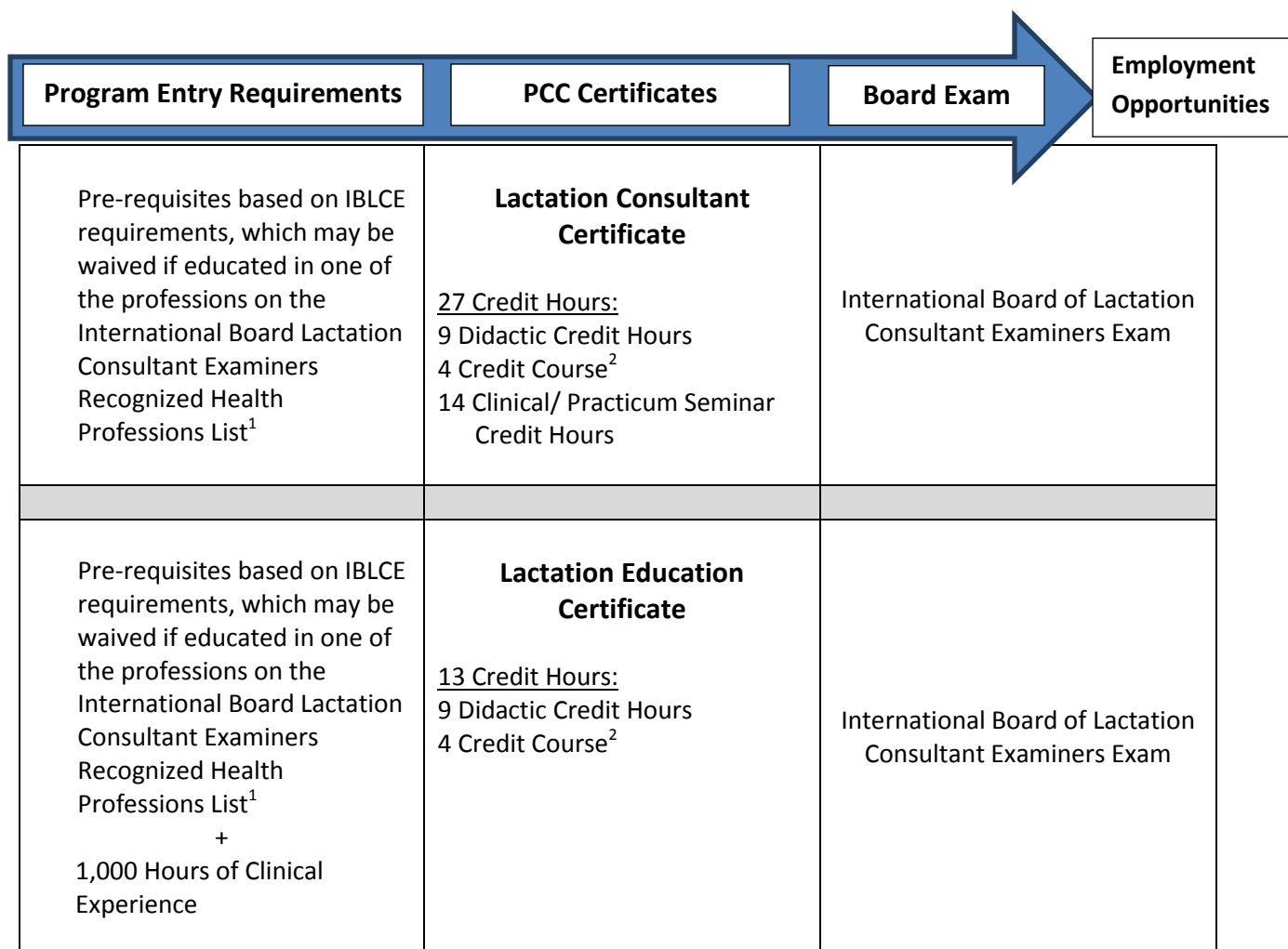
Proposed PCC Lactation Education and Consultant Program

Prepares students to take the IBCLE exam and for employment opportunities in institutional, private practice, and public health settings

Legend of Acronyms

IBCLC = International Board Certified Lactation Consultants

IBLCE = International Board of Lactation Consultant Examiners



¹ Recognized Health Professionals include Dentist, Dietician, Midwife, Nurse, Occupational Therapist, Pharmacist, Physical Therapist or Physiotherapist, Physician or Medical Doctor, Speech Pathologist or Therapist.

² SOC 204 or 205 or 206 or 213 or 215 or ATH 103 or 207 or equivalent

**Lactation Education and Consultant Program (LECP)
Rock Creek Campus**

Proposal

The Lactation Education and Consultant Program (LECP) is comprehensive lactation training for students who want to become International Board Certified Lactation Consultants (IBCLC) by the International Board of Lactation Consultant Examiners (IBLCE). Requirements to take the certification exam include college courses, lactation education, and clinical experience. This program will prepare students to take the IBCLE exam and for employment opportunities in institutional, private practice, and public health settings. The Health SAC will host this new career-technical program.

This program proposal includes two certificates:

1. Lactation Consultant Certificate- 27 credits

The Lactation Consultant Certificate prepares students with all of the lactation specific training components required to become an IBCLC; 90 contact hours of lactation education coursework (face-to-face and distance learning) and 300 hundred hours of supervised clinical experience. Students who complete the certificate program will qualify to take the IBLCE exam.

2. Lactation Education Certificate- 13 credits

The Lactation Education Certificate offers the 90 contact hours of coursework (face-to-face and distance learning) only. Students must obtain the IBLCE defined clinical hours requirement prior to enrollment. Students who complete the certificate program will qualify to take the IBLCE exam.

Admission Criteria

The Lactation Education and Consultant Program (LECP) is a limited-entry program. A student must be accepted into the LECP to register for lactation courses.

All prerequisite credits are required to begin the LECP.

LECP Prerequisites		
IBCLE Category	PCC Course	Credits
Biology	BI 101 Biology or BI 112 Cell Biology for Health Occupations or BI 211 Principles of Biology or	5

	equivalent	
Human Anatomy & Physiology	BI 231 Human Anatomy & Physiology I and BI 232 Human Anatomy & Physiology II or equivalent	8
Psychology or Counseling Skills or Communication Skills	PSY 101 Psychology and Human Relations or PSY 201A Introduction to Psychology or PSY 215 Human Development or PSY 222 Family & Intimate Relationship or SP 214 Interpersonal Communication: Process & Theory or equivalent	4
Infant and Child Growth & Development	HEC 226 Child Development or equivalent	3
Nutrition	FN 225 Nutrition or equivalent	4
Introduction to Clinical Research	MTH 243 Statistics I or equivalent	4
	Total Prerequisite Credits	28

In addition to the prerequisites listed in the table above, before beginning the LECP, students are required to show documentation of knowledge in the following areas:

- Basic Life Support
- Medical Documentation
- Medical Terminology
- Occupational safety, including security, for health professionals
- Professional ethics for health professionals (e.g. Code of Ethics)
- Universal safety precautions and infection control


The prerequisites and requirements may be waived if educated in one of the professions on the International Board Lactation Consultant Examiners Recognized Health Professions List. Recognized Health Professionals include Dentist, Dietician, Midwife, Nurse, Occupational Therapist, Pharmacist, Physical Therapist or Physiotherapist, Physician or Medical Doctor, Speech Pathologist or Therapist. Students may demonstrate completion of the prerequisites by submitting a copy of their license, registration, transcript, diploma or degree.

Lactation Consultant Certificate Courses

Category	Course	Credits
CTE Program Requirements	LEC 201 Human Lactation & Breastfeeding I	4.5
CTE Program Requirements	LEC 202 Human Lactation & Breastfeeding II	4.5
CTE Program Requirements	LEC 271 Practicum I	4
CTE Program Requirements	LEC 272 Practicum II	4
CTE Program Requirements	LEC 273 Practicum III	2
CTE Program Requirements	LEC 275 Practicum Seminar I	1
CTE Program Requirements	LEC 276 Practicum Seminar II	1
CTE Program Requirements	LEC 277 Practicum Seminar III	2
General Education	SOC 204 or 205 or 206 or 213 or 215 or ATH 103 or 207 or equivalent	4
	Total Career/Technical Credits	27

Lactation Education Certificate Courses

Category	Course	Credits
CTE Program Requirements	LEC 201 Human Lactation & Breastfeeding I	4.5
CTE Program Requirements	LEC 202 Human Lactation & Breastfeeding II	4.5
General Education	SOC 204 Sociology in Everyday Life or SOC 205 Social Change in Societies or SOC 206 Social Problems or SOC 213 Diversity in the United States or SOC 215 Social Issues and Movements or ATH 103 Introduction to Cultural Anthropology or 207 Cult Anthropology: Cult Concepts or equivalent	4
	Total Career/Technical Credits	9
	Total General Education	4
	Total Lactation Consultant Credits	13

 Portland Community College		NEW CERTIFICATE REQUEST FORM		Directions: Fill out completely and return electronically to: dac@pcc.edu Signature pages should be intercampus mailed to: Curriculum Office DC – 4th floor	
SECTION # 1 OVERVIEW					
Proposed Title:	Lactation Consultant			Proposed Credits:	27
Reason for new certificate:	The Lactation Consultant Certificate prepares students with all of the lactation specific training components required to become an International Board Certified Lactation Consultant (IBCLC) by the International Board of Lactation Consultant Examiners (IBLCE). Requirements to take the certification exam include college courses, lactation education, and clinical experience. This certificate would include 90 contact hours of lactation education coursework (face-to-face and distance learning) and 300 hundred hours of supervised clinical experience. Students who complete the certificate program will qualify to take the IBLCE exam and will be prepared for employment opportunities in institutional, private practice, and public health settings				
Impact on other areas of instruction: Have you talked to other area SACs? If yes, who did you speak to and provide details.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Explain: The SOC and ATH SACs will be minimally impacted due to the SOC or ATH requirement. Discussions have occurred with the SOC SAC chair Heather Guevara and courses were carefully selected for inclusion. Discussions with the ATH SAC chair, William Wihr have also occurred and the ATH SAC has approved the courses. Other SACs will be minimally impacted due to the program prerequisites.	Has certificate been validated by the Advisory Committee?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Meeting was 5/8	
SECTION # 2 PREREQUISITES AND OUTCOMES					
PROPOSED PREREQUISITES					
Course Number	Course Title or Placement level			Credits	
Admission Criteria The Lactation Education and Consultant Program (LECP) is a limited entry program. A student must be accepted into the LECP to register for lactation courses.					

BI 101 or BI 112 or BI 211 Principles of Biology or equivalent	Biology Cell Biology for Health Occupations or Principles of Biology or equivalent	5
BI 231 & 232 or equivalent	Human Anatomy & Physiology I and Human Anatomy & Physiology II or equivalent	8
PSY 101 or PSY 201A or PSY 215 or PSY 222 or SP/COMM 214 or equivalent	Psychology and Human Relations or Introduction to Psychology or Human Development or Family & Intimate Relationship or Interpersonal Communication: Process & Theory or equivalent	4
HEC 226	Child Development or equivalent	3
FN 225	Nutrition or equivalent	4
MTH 243	Statistics I or equivalent	4

In addition to the prerequisites listed above, before beginning the LECP, students are required to show documentation of knowledge in the following areas:

- Basic Life Support
- Medical Documentation
- Medical Terminology
- Occupational safety, including security, for health professionals
- Professional ethics for health professionals (e.g. Code of Ethics)
- Universal safety precautions and infection control

The prerequisites and requirements may be waived if educated in one of the professions on the International Board Lactation Consultant Examiners Recognized Health Professions List. Recognized Health Professionals include Dentist, Dietician, Midwife, Nurse, Occupational Therapist, Pharmacist, Physical Therapist or Physiotherapist, Physician or Medical Doctor, Speech Pathologist or Therapist. Students may demonstrate completion of the prerequisites by submitting a copy of their license, registration, transcript, diploma or degree.

<p>Is this a limited entry program? Students must apply, via the department for program entry. The program will not be listed on the drop down menu in PCC web admissions.</p> <p>An application will be developed for students to apply to the program and to document their completion of program prerequisites.</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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PROPOSED OUTCOMES

Outcomes statements suggest context to indicate “out there” and they describe what students can DO with what they know. The committee members will review the outcomes. [For guidance on writing outcome](#) statements.

Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the certificate outcomes.

Certificate Outcome	Core Outcome
<i>Students who complete this certificate should be able to:</i>	
Be prepared to sit for the International Board of Lactation Consultant Examiners (IBLCE) exam having acquired the essential lactation knowledge and skills.	<ul style="list-style-type: none"> • Professional Competence • Communication • Critical Thinking and Problem Solving Skills • Cultural Awareness • Community and Environmental Responsibility • Self-reflection
Be prepared to sit for the International Board of Lactation Consultant Examiners (IBLCE) exam having acquired the lactation specific clinical experience.	<ul style="list-style-type: none"> • Professional Competence • Self-reflection • Critical Thinking and Problem Solving Skills • Cultural Awareness
Abide by professional ethics and standards, practicing within the framework defined by the IBLCE Code of Professional Conduct for IBCLCs, the IBLCE Scope of Practice for the IBCLC, and the IBLCE Clinical Competencies for the Practice of IBCLCs.	<ul style="list-style-type: none"> • Professional Competence • Self-reflection

SECTION # 3 COURSEWORK

List all courses in the order that you want them distributed in the [catalog](#). If you want them listed term by term then identify them in a term by term sequence on this form. If you want them identified as categories such as CORE, ELECTIVES, etc, then identify them as such.

The information you provide on this form will be reflected in the PCC catalog pages. Please ensure it is correct. You may add or delete rows as necessary for the material being submitted.

PROPOSED CERTIFICATE COURSEWORK


COURSE NUMBER	COURSE TITLE	CREDITS
	Spring Term	
LEC 201	Human Lactation & Breastfeeding 1	4.5
LEC 202	Human Lactation & Breastfeeding 2	4.5
	Summer Term	
LEC 271	Clinical Practicum I	4
LEC 275	Practicum Seminar I	1
	Fall Term	
LEC 272	Clinical Practicum 2	4
LEC 276	Practicum Seminar 2	1
	Winter Term	
LEC 273	Clinical Practicum 3	2
LEC 277	Practicum Seminar 3	2
SOC 204 or 205 or 206 or 213 or 218 or	Sociology in Everyday Life or Social Change in Societies or Social Problems or Diversity in the United States or Sociology of Gender or	4
ATH 103 or 207 or equivalent	Introduction to Cultural Anthropology or Cultural Anthropology: Cult Concepts or equivalent	
	Confirm total number of credits	Credit Total 27

A minimum of 27 credits are required for a Certificate of Completion. A maximum of 18 pass/no pass credits are allowed in the Lactation Consultant Certificate.

SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)					
Is this a Statewide Certificate?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Has the certificate been approved by the consortium?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Requested implementation term :	Spring 2014
<p align="center">Eligible Training Provider Application</p> <p>Complete the Eligible Training Provider application available on the Curriculum Office forms page. The value of being listed on the ETP list is that students who have Workforce Investment Act (WIA) funds may use the funds for their tuition. Return completed form to DAC@pcc.edu</p> <p align="center">Certificates 45 credits or more require related instruction. Fill out a Template for Related Instruction located at:</p> <p align="center">http://www.pcc.edu/resources/academic/eac/degree/forms.html</p> <p align="center">All courses identified as fulfilling the embedded related instruction requirement must have been reviewed and recommended by the Curriculum Committee and the details outlined on the CCOG.</p>					
Submitted By:		Alissa Leavitt			
Email:		Alissa.leavitt@pcc.edu			

Next steps:

1. Save the completed New Certificate Request Form and submit as an e-mail attachment to dac@pcc.edu.
2. Download and print the New Certificate Signature Page Form and obtain the appropriate signatures.
3. Staple the signed New Certificate [Signature Page Form](#) to a hard copy of the New Certificate Request Form (electronic version has already been sent in step one). Send both forms to Curriculum Office, Downtown Center, DC – 4th floor via campus mail.

		NEW CERTIFICATE REQUEST FORM		Directions: Fill out completely and return electronically to: dac@pcc.edu Signature pages should be intercampus mailed to: Curriculum Office DC – 4th floor	
SECTION # 1 OVERVIEW					
Proposed Title:	Lactation Education			Proposed Credits:	13
Reason for new certificate:	The Lactation Consultant Certificate prepares students with the lactation specific training education required to become an International Board Certified Lactation Consultants (IBCLC) by the International Board of Lactation Consultant Examiners (IBLCE). The Lactation Education Certificate offers the 90 contact hours of coursework (face-to-face and distance learning) only. Students must obtain the IBLCE defined clinical hours requirement prior to enrollment. Students who complete the certificate program will qualify to take the IBLCE exam and will be prepared for employment opportunities in institutional, private practice, and public health settings				
Impact on other areas of instruction: Have you talked to other area SACs? If yes, who did you speak to and provide details.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Explain: The SOC and ATH SACs will be minimally impacted due to the SOC or ATH requirement. Discussions have occurred with the SOC SAC chair Heather Guevara and courses were carefully selected for inclusion. Discussions with the ATH SAC chair, William Wihr have also occurred and the ATH SAC has approved the courses. Other SACs will be minimally impacted due to the program prerequisites.	Has certificate been validated by the Advisory Committee?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Meeting was 5/8	
SECTION # 2 PREREQUISITES AND OUTCOMES					
PROPOSED PREREQUISITES					
Course Number	Course Title or Placement level			Credits	
Admission Criteria The Lactation Education and Consultant Program (LECP) is a limited entry program. A student must be accepted into the LECP to register for lactation courses.					

BI 101 or BI 112 or BI 211 Principles of Biology or equivalent	Biology Cell Biology for Health Occupations or Principles of Biology or equivalent	5
BI 231 & 232 or equivalent	Human Anatomy & Physiology I and Human Anatomy & Physiology II or equivalent	8
PSY 101 or PSY 201A or PSY 215 or PSY 222 or SP/COMM 214 or equivalent	Psychology and Human Relations or Introduction to Psychology or Human Development or Family & Intimate Relationship or Interpersonal Communication: Process & Theory or equivalent	4
HEC 226	Child Development or equivalent	3
FN 225	Nutrition or equivalent	4
MTH 243	Statistics I or equivalent	4
<p>In addition to the prerequisites listed above, before beginning the LECP, students are required to show documentation of knowledge in the following areas:</p> <ul style="list-style-type: none"> • Basic Life Support • Medical Documentation • Medical Terminology • Occupational safety, including security, for health professionals • Professional ethics for health professionals (e.g. Code of Ethics) • Universal safety precautions and infection control <p>The prerequisites and requirements may be waived if educated in one of the professions on the International Board Lactation Consultant Examiners Recognized Health Professions List. Recognized Health Professionals include Dentist, Dietician, Midwife, Nurse, Occupational Therapist, Pharmacist, Physical Therapist or Physiotherapist, Physician or Medical Doctor, Speech Pathologist or Therapist. Students may demonstrate completion of the prerequisites by submitting a copy of their license, registration, transcript, diploma or degree.</p>		
Is this a limited entry program? Students must apply, via the department for program entry. The program will not be listed on the drop down menu in PCC web admissions.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

An application will be developed for students to apply to the program and to document their completion of program prerequisites.	
<p style="text-align: center;">PROPOSED OUTCOMES</p> <p>Outcomes statements suggest context to indicate “out there” and they describe what students can DO with what they know. The committee members will review the outcomes. For guidance on writing outcome statements.</p> <p>Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the certificate outcomes.</p>	
Certificate Outcome	Core Outcome
<i>Students who complete this certificate should be able to:</i>	
Be prepared to sit for the International Board of Lactation Consultant Examiners (IBLCE) exam having acquired the essential lactation knowledge and skills.	<ul style="list-style-type: none"> • Professional Competence • Communication • Critical Thinking and Problem Solving Skills • Cultural Awareness • Community and Environmental Responsibility • Self-reflection
Abide by professional ethics and standards, practicing within the framework defined by the IBLCE Code of Professional Conduct for IBCLCs, the IBLCE Scope of Practice for the IBCLC, and the IBLCE Clinical Competencies for the Practice of IBCLCs.	<ul style="list-style-type: none"> • Professional Competence • Self-reflection
Act as an advocate for breastfeeding as the child-feeding norm using evidence-based information	<ul style="list-style-type: none"> • Professional Competence • Communication • Critical Thinking and Problem Solving Skills • Community and Environmental Responsibility

SECTION # 3 COURSEWORK

List all courses in the order that you want them distributed in the [catalog](#). If you want them listed term by term then identify them in a term by term sequence on this form. If you want them identified as categories such as CORE, ELECTIVES, etc, then identify them as such.

The information you provide on this form will be reflected in the PCC catalog pages. Please ensure it is correct. You may add or delete rows as necessary for the material being submitted.

PROPOSED CERTIFICATE COURSEWORK

COURSE NUMBER	COURSE TITLE	CREDITS
LEC 201	Human Lactation & Breastfeeding 1	4.5
LEC 202	Human Lactation & Breastfeeding 2	4.5
SOC 204 or 205 or 206 or 213 or 218 or ATH 103 or 207 or equivalent	Sociology in Everyday Life or Social Change in Societies or Social Problems or Diversity in the United States or Sociology of Gender or Introduction to Cultural Anthropology or Cultural Anthropology: Cult Concepts or equivalent	4
Confirm total number of credits		Credit Total 13

SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)

Is this a Statewide Certificate?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Has the certificate been approved by the consortium?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Requested implementation term :	Spring 2014
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Eligible Training Provider Application

Complete the [Eligible Training Provider application](#) available on the Curriculum Office forms page. The value of being listed on the ETP list is that students who have Workforce Investment Act (WIA) funds may use the funds for their tuition. Return completed form to DAC@pcc.edu

Certificates 45 credits or more require related instruction. Fill out a Template for Related Instruction located at:

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

All courses identified as fulfilling the embedded related instruction requirement must have been reviewed and recommended by the Curriculum Committee and the details outlined on the CCOG.


Submitted By:


Alissa Leavitt


Email:	Alissa.leavitt@pcc.edu
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Next steps:


1. Save the completed New Certificate Request Form and submit as an e-mail attachment to dac@pcc.edu.
2. Download and print the New Certificate Signature Page Form and obtain the appropriate signatures.
3. Staple the signed New Certificate [Signature Page Form](#) to a hard copy of the New Certificate Request Form (electronic version has already been sent in step one). Send both forms to Curriculum Office, Downtown Center, DC – 4th floor via campus mail.

		<h2 style="text-align: center;">CONSENT AGENDA FORM</h2> <p style="text-align: center;">This form maybe used instead of coming to the Degree and Certificate Meeting.</p> <p style="text-align: center;">Directions: Fill out completely and return electronically to: dac@pcc.edu</p>		<p>Consent Agenda form may be used for the following:</p> <ol style="list-style-type: none"> 1. Course title changes 2. Course number changes 3. Addition/Deletion of an elective 4. Change in the number of pass/no pass credits other than the default 5. Degree or certificate title changes 6. Change to open admissions <p>Other changes need to come before the Degree and Certificate Committee.</p>	
		<p>Submitted by: Scott Judy</p>		<p>Email: sjudy@pcc.edu Phone: 971-722-7600</p>	
<p>Title of Degree/Certificate:</p>		<p>Associates of Welding Technology</p>		<p>Requested Implementation Term: Summer 2013</p>	
<p>What type of change are you requesting?</p>		<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Course title change <input checked="" type="checkbox"/> Addition of an elective <input type="checkbox"/> Degree or certificate title change </div> <div> <input type="checkbox"/> Course number change <input type="checkbox"/> Deletion of an elective <input checked="" type="checkbox"/> Other – add statement </div> </div>			
<p>Fill in the sections below as applicable. If a section is not applicable, fill in N/A.</p>					
<p>Current Course Title:</p>				<p>Proposed Course Title:</p>	
<p>Current Course Number:</p>				<p>Proposed Course Number:</p>	
<p>Electives List Title: Welding Electives</p>		<p>Add these classes to the welding electives list.>>>> 126B, 136A, 136B, 146A, 146B, 156A, 156B, 166A, 166B, 176A, 176B, 186A, 186B, 190A, 190B, 190C, 236A, 236B, 246A, 246B, 256A, 256B, 266A, 276A, 276B, 286A, 286B.</p>			
<p>Other elective list requirement:</p>		<p>Note: A maximum of 6 credits from courses with a letter designation after them (such as 126B, 136A) may be used towards completion of the 12 credit elective requirement. The Welding Department Chair may allow exceptions to this rule.</p>			

		<h2 style="text-align: center;">CONSENT AGENDA FORM</h2> <p style="text-align: center;">This form maybe used instead of coming to the Degree and Certificate Meeting.</p> <p style="text-align: center;">Directions: Fill out completely and return electronically to: dac@pcc.edu</p>		<p>Consent Agenda form may be used for the following:</p> <ol style="list-style-type: none"> 1. Course title changes 2. Course number changes 3. Addition/Deletion of an elective 4. Change in the number of pass/no pass credits other than the default 5. Degree or certificate title changes 6. Change to open admissions <p>Other changes need to come before the Degree and Certificate Committee.</p>	
		<p>Submitted by: Beth Fitzgerald</p> <p>Email: efitzger@pcc.edu</p> <p>Phone: 971-722-5672</p>		<p>Title of Degree/Certificate: Multimedia</p> <p>Requested Implementation Term: Winter 2014</p>	
<p>What type of change are you requesting?</p>		<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Course title change <input checked="" type="checkbox"/> Addition of an elective <input type="checkbox"/> Degree or certificate title change </div> <div> <input type="checkbox"/> Course number change <input type="checkbox"/> Deletion of an elective <input type="checkbox"/> Other </div> </div>			
<p>Fill in the sections below as applicable. If a section is not applicable, fill in N/A.</p>					
<p>Current Course Title:</p>		Digital Photography II Intermediate Flash CMS Website Creation: Drupa CMS Website Creation: Joomla 3 CMS Website Creation: WordPress 3		<p>Current Course Number:</p> ART240 CAS275 CAS181w CAS181d CAS181j	
<p>Electives List Title:</p>		MM Support Electives			
<p>Explanation of Other:</p>		This is to verify that these MM Support elective courses are included in the Grad Plan system and the catalog as MM Support Electives			

		<h2 style="text-align: center;">CONSENT AGENDA FORM</h2> <p style="text-align: center;">This form maybe used instead of coming to the Degree and Certificate Meeting.</p> <p style="text-align: center;">Directions: Fill out completely and return electronically to: dac@pcc.edu </p>		<p>Consent Agenda form may be used for the following:</p> <ol style="list-style-type: none"> 1. Course title changes 2. Course number changes 3. Addition/Deletion of an elective 4. Change in the number of pass/no pass credits other than the default 5. Degree or certificate title changes 6. Change to open admissions <p>Other changes need to come before the Degree and Certificate Committee.</p>	
		<p>Submitted by: Amanda Ferroggiaro</p> <p>Email: Amanda.Ferroggiaro1@pcc.edu</p> <p>Phone:</p>		<p>Title of Degree/Certificate: Designed for Accessibility and Aging in Place</p> <p>Requested Implementation Term: Fall 2013</p>	
<p>What type of change are you requesting?</p>		<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Course title change <input type="checkbox"/> Addition of an elective <input type="checkbox"/> Degree or certificate title change </div> <div style="width: 48%;"> <input type="checkbox"/> Course number change <input type="checkbox"/> Deletion of an elective <input checked="" type="checkbox"/> Other </div> </div>			
<p>Fill in the sections below as applicable. If a section is not applicable, fill in N/A.</p>					
<p>Explanation of Other:</p>		<p>There are two changes that must be made based upon a curriculum change from the GRN SAC, specifically GRN 282.</p> <ol style="list-style-type: none"> 1. Increase number of credits required to earn the degree from 49 to 50 2. Increase credit for GRN 282 from one to two credits. <p>This change should be completed for fall 2013 so that the catalog and gradplan matches what is correct at the state.</p>			

		<h2 style="text-align: center;">CONSENT AGENDA FORM</h2> <p style="text-align: center;">This form maybe used instead of coming to the Degree and Certificate Meeting.</p> <p style="text-align: center;">Directions: Fill out completely and return electronically to: dac@pcc.edu </p>		<p>Consent Agenda form may be used for the following:</p> <ol style="list-style-type: none"> 1. Course title changes 2. Course number changes 3. Addition/Deletion of an elective 4. Change in the number of pass/no pass credits other than the default 5. Degree or certificate title changes 6. Change to open admissions <p>Other changes need to come before the Degree and Certificate Committee.</p>	
		<p>Submitted by: Richard Willebrand</p> <p>Email: rwillebr@pcc.edu</p> <p>Phone: 9717225653</p>		<p>Title of Degree/Certificate: Facilities Maintenance Technology</p> <p>Requested Implementation Term:</p>	
<p>What type of change are you requesting?</p>		<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Course title change <input checked="" type="checkbox"/> Addition of an elective <input type="checkbox"/> Degree or certificate title change </div> <div> <input type="checkbox"/> Course number change <input type="checkbox"/> Deletion of an elective <input type="checkbox"/> Other </div> </div>			
<p>Fill in the sections below as applicable. If a section is not applicable, fill in N/A.</p>					
<p>Current Course Title:</p>		<p>N/A</p>		<p>Proposed Course Title:</p>	
<p>Current Course Number:</p>		<p>N/A</p>		<p>Proposed Course Number:</p>	
<p>Electives List Title: Facilities Maintenance Technology Approved Electives</p>		<p>Any FMT, ELT, APR, BA, BCT, CIS, CAS, CS, MSD, WLD, ARCH, AB, AMT, EET, MCH, AM, CMET, DRF, DS, DST, ENGR, ESR, MT, HE, HPE, OST, PE, COMM, PHY, BI, CH, GS, SPA, MTH (100 level and above) courses not found within the degree or certificate course of study. WR 227, ART 292, and ART 294</p>			
<p>Explanation of Other:</p>					

		<h2 style="text-align: center;">CONSENT AGENDA FORM</h2> <p style="text-align: center;">This form maybe used instead of coming to the Degree and Certificate Meeting.</p> <p style="text-align: center;">Directions: Fill out completely and return electronically to: dac@pcc.edu</p>		<p>Consent Agenda form may be used for the following:</p> <ol style="list-style-type: none"> 1. Course title changes 2. Course number changes 3. Addition/Deletion of an elective 4. Change in the number of pass/no pass credits other than the default 5. Degree or certificate title changes 6. Change to open admissions <p>Other changes need to come before the Degree and Certificate Committee.</p>	
		<p>Submitted by: Terry Foty</p> <p>Email: tfoty</p>		<p>Phone:</p>	
<p>Title of Degree/Certificate:</p>		<p>CIS Network Administration AAS</p>		<p>Requested Implementation Term:</p>	
<p>What type of change are you requesting?</p>		<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Course title change <input checked="" type="checkbox"/> Addition of an elective <input type="checkbox"/> Degree or certificate title change </div> <div> <input type="checkbox"/> Course number change <input type="checkbox"/> Deletion of an elective <input type="checkbox"/> Other </div> </div>			
<p>Fill in the sections below as applicable. If a section is not applicable, fill in N/A.</p>					
<p>Current Course Title:</p>		<p>Microsoft Exchange Management</p>		<p>Current Course Number:</p>	
		<p>CIS287X</p>			
<p>Electives List Title:</p>		<p>Computer Information Systems Network Administration Degree Electives</p>			
<p>Explanation of Other:</p>					



CONSENT AGENDA FORM

This form maybe used instead of coming to the Degree and Certificate Meeting.

Directions: Fill out completely and return electronically to:
dac@pcc.edu

Consent Agenda form may be used for the following:

1. Course title changes
2. Course number changes
3. Addition/Deletion of an elective
4. Change in the number of pass/no pass credits other than the default
5. Degree or certificate title changes
6. Change to open admissions

Other changes need to come before the Degree and Certificate Committee.

Submitted by:	Cynthia Killingsworth	Email: Cynthia.killingsworth@pcc.edu	Phone: 8070
Title of Degree/Certificate:	Nonprofit Community Development Certificate and all the business degrees & certificates using the Business Program Electives list and the	Requested Implementation Term:	As soon as possible
What type of change are you requesting?	<input type="checkbox"/> Course title change <input checked="" type="checkbox"/> Addition of an elective <input type="checkbox"/> Degree or certificate title change <input type="checkbox"/> Course number change <input type="checkbox"/> Deletion of an elective <input type="checkbox"/> Other		
Fill in the sections below as applicable. If a section is not applicable, fill in N/A.			
Current Course Title:		Proposed Course Title:	Introduction to Grant Writing
Current Course Number:		Proposed Course Number:	BA 209
Electives List Title:	Business Program Electives list and Nonprofit Community Development Certificate Electives list.		
Explanation of Other:			



CONSENT AGENDA FORM

This form maybe used instead
of coming to the Degree and
Certificate Meeting.

Directions: Fill out completely
and
return electronically to:
dac@pcc.edu

Consent Agenda form may be used for the
following:

1. Course title changes
2. Course number changes
3. Addition/Deletion of an elective
4. Change in the number of pass/no pass
credits other than the default
5. Degree or certificate title changes
6. Change to open admissions

Other changes need to come before the
Degree and Certificate Committee.

Submitted by:	Doug Smith	Email: doug.smith@pcc.edu	Phone: 971-722-5582
Title of Degree/Certificate:	Fire Protection Technology	Requested Implementation Term:	Winter 2013
What type of change are you requesting?	<input type="checkbox"/> Course title change <input checked="" type="checkbox"/> Addition of an elective <input type="checkbox"/> Degree or certificate title change <input type="checkbox"/> Course number change <input checked="" type="checkbox"/> Deletion of an elective <input type="checkbox"/> Other		
Fill in the sections below as applicable. If a section is not applicable, fill in N/A.			
Current Course Title:	N/A	Proposed Course Title:	N/A
Current Course Number:	N/A	Proposed Course Number:	N/A
Electives List Title:	Add to elective list: FP 291, Fire Codes & Related Ordinances Delete from elective list: FP243-Laws Affecting Fire Fighting, FP 245-Fire Department Budgets, FP 248-Public Relations Information and Education, FP 260-Emergency Services Instructor III, FP 293-Advanced Firefighting Tactics & Strategy, and FP 294-Incident Command		



ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM

Directions: Fill out completely and
return electronically to:
dac@pcc.edu
Signature pages should be intercampus mailed to:
Curriculum Office DC / 4th floor

SECTION # 1 OVERVIEW

Current Title:	Civil Engineering Technology	Proposed Title:	No change
Current Credits:	101	Proposed Credits:	No change
Overview and rationale for proposed changes:	Change to limited-entry program		
List of specific changes being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc). Use simple text such as Add, Remove, Change, Revise to inform the reader of the changes desired.	Change to limited-entry program. Prospective students must meet with an engineering technology advisor prior to registering for any CMET courses.		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	

SECTION # 2 PREREQUISITES AND OUTCOMES

All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.

Current Prerequisites	Does the revision involve changing degree prerequisites?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Course Number	Course Title or Placement level	
WR 115 or equivalent placement test score.	Introduction to Expository Writing	
MTH60 or equivalent placement test score.	Introductory Algebra, first term	
Proposed Prerequisites		
Course Number	Course Title or Placement level	
WR 115 or equivalent placement test score.	Introduction to Expository Writing	
MTH60 or equivalent placement test score.	Introductory Algebra, first term	
	CET is a limited-entry program. Prospective students must meet with an engineering technology advisor prior to registering for any CMET courses.	
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing degree outcomes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.		
Degree Outcome		Core Outcome
<i>Students who complete this degree should be able to:</i>		
<ul style="list-style-type: none"> Apply fundamental knowledge of mathematical, computational, scientific and engineering concepts to identify, formulate and design successful resolutions to real-world civil engineering problems. 		<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence Communication
<ul style="list-style-type: none"> Utilize appropriate laboratory techniques, engineering equipment and computational technology to collect, analyze, and interpret data to acquire scientific knowledge 		<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence

about a stated problem.	<ul style="list-style-type: none"> • Communication
<ul style="list-style-type: none"> • Utilize the knowledge of visualization skills, computer aided drawing programs and the ability to create and interpret engineering drawings, to design civil engineering projects within proper industry acceptable standards and conventions. 	<ul style="list-style-type: none"> • Critical Thinking and Problem Solving • Professional Competence • Communication
<ul style="list-style-type: none"> • Apply effective and efficient communication skills, teamwork that fosters inclusion, project and time management skills, ethical engineering practices and professional responsibility in order to plan, design, fabricate, construct and operate engineering systems or components. 	<ul style="list-style-type: none"> • Critical Thinking and Problem Solving • Professional Competence • Community and Environmental Responsibility • Cultural Awareness • Communication
<ul style="list-style-type: none"> • Practice sustainable engineering methodologies. 	<ul style="list-style-type: none"> • Critical Thinking and Problem Solving • Professional Competence • Community and Environmental Responsibility • Cultural Awareness

Revised Outcomes:

Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.

Degree Outcome	Core Outcome
<i>Students who complete this degree should be able to:</i>	
No change	

SECTION # 3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.

If you want to rearrange the order of courses within the term by term sequence do so on this form.

If you are removing a course identify the course with (remove) and bold the text.

If the course title is changed identify the course with (title change) and bold the text.

If the course credits have changed identify the course with (increase or decrease credit) and bold the text.

If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

CURRENT DEGREE INFORMATION

PROPOSED DEGREE INFORMATION

COURSE NUMBER	COURSE TITLE	CREDITS	COURSE NUMBER	COURSE TITLE	CREDITS
CMET 110	Statics	4			
CMET 111	Engineering Tech Orientation	4		No changes to courses	
CMET 112	Technical Algebra/Trigonometry	4			
ENGR 102	Engineering Graphics	3			
CH 104	Allied Health Chemistry	5			
CMET 121	Strength of Materials	4			
CMET 122	Technical Engineering Physics	4			
CMET 123	Tech Algebra w/Analyt Geometry	4			
CMET 131	Applied Calculus	8			
CMET 227	App Electricity Fundamentals	2			
WR 121	English Composition	4			
	General Education	4			
CMET 280A	Co-op Ed, optional				
ENGR 226	Plane Surveying	4			
CMET 133	Materials Technology	3			
CMET 221	Environmental Systems	3			
CMET 213	Fluid Mechanics	3			
SP 100 or SP 111	Intro to Speech Comm. or Public Speaking	4			
CMET 228	Construction Materials	3			
CMET 212	Thermodynamics I	4			
CMET 211	Environmental Quality	4			
CMET 241	Structural Steel Drafting	3			
CMET 254	Civil/Mechanical Engr Tech Sem	1			
	General Education	3			
CMET 214	Route Surveying	3			
CMET 233	CET Applied CAD	3			
CMET 222	Thermodynamics II	4			
CMET 223	Project Management	3			
CMET 236	Structural Design	3			
	Credit	101			

	Total			
SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)				
Is this a statewide degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Has the change been approved by the consortium?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Is this a degree option?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name of the base degree:		
Are there any career pathway(s) or related certificates attached to this degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name of career pathway(s) or related certificate		
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)			Fall 2013	

Submitted By:	Jan Chambers, CMET SAC chair	
Email:	ichamber@pcc.edu	



ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM

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SECTION # 1 OVERVIEW

Current Title:	Civil Engineering Technology with Green Technology and Sustainability option	Proposed Title:	No change
Current Credits:	108	Proposed Credits:	No change
Overview and rationale for proposed changes:	Change to limited-entry program		
List of specific changes being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc). Use simple text such as Add, Remove, Change, Revise to inform the reader of the changes desired.	Change to limited-entry program. Prospective students must meet with an engineering technology advisor prior to registering for any CMET courses.		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	

SECTION # 2 PREREQUISITES AND OUTCOMES

All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.

Current Prerequisites	Does the revision involve changing degree prerequisites?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> No
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		e s	
Course Number	Course Title or Placement level		
WR 121 or equivalent placement test score.	English Composition		
MTH60 or equivalent placement test score.	Introductory Algebra, first term		
Proposed Prerequisites			
Course Number	Course Title or Placement level		
WR 121 or equivalent placement test score.	English Composition		
MTH60 or equivalent placement test score.	Introductory Algebra, first term		
	Civil Engineering Technology is a limited-entry program. Prospective students must meet with an engineering technology advisor prior to registering for any CMET courses.		
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing degree outcomes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.			
Degree Outcome		Core Outcome	
<i>Students who complete this degree should be able to:</i>			

<ul style="list-style-type: none"> • Apply fundamental knowledge of mathematical, computational, scientific and engineering concepts to identify, formulate and design successful resolutions to real-world civil engineering problems. 	<ul style="list-style-type: none"> • Critical Thinking and Problem Solving • Professional Competence • Communication
<ul style="list-style-type: none"> • Utilize appropriate laboratory techniques, engineering equipment and computational technology to collect, analyze, and interpret data to acquire scientific knowledge about a stated problem. 	<ul style="list-style-type: none"> • Critical Thinking and Problem Solving • Professional Competence • Communication
<ul style="list-style-type: none"> • Utilize the knowledge of visualization skills, computer aided drawing programs and the ability to create and interpret engineering drawings, to design civil engineering projects within proper industry acceptable standards and conventions. 	<ul style="list-style-type: none"> • Critical Thinking and Problem Solving • Professional Competence • Communication
<ul style="list-style-type: none"> • Apply effective and efficient communication skills, teamwork that fosters inclusion, project and time management skills, ethical engineering practices and professional responsibility in order to plan, design, fabricate, construct and operate engineering systems or components. 	<ul style="list-style-type: none"> • Critical Thinking and Problem Solving • Professional Competence • Community and Environmental Responsibility • Cultural Awareness • Communication
<ul style="list-style-type: none"> • Practice sustainable engineering methodologies with a holistic understanding of the impact of engineering solutions in a global, societal, and environmental context using the latest in green technology and GIS software. 	<ul style="list-style-type: none"> • Critical Thinking and Problem Solving • Professional Competence • Community and Environmental Responsibility • Cultural Awareness

Revised Outcomes:

Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.

Degree Outcome	Core Outcome
No change	

SECTION # 3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.

If you want to rearrange the order of courses within the term by term sequence do so on this form.

If you are removing a course identify the course with (remove) and bold the text.

If the course title is changed identify the course with (title change) and bold the text.

If the course credits have changed identify the course with (increase or decrease credit) and bold the text.

If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	COURSE TITLE	CREDITS	COURSE NUMBER	COURSE TITLE	CREDITS
CH 104	Allied Health Chemistry	5			
CMET 110	Statics	4		No changes to courses	
CMET 111	Engineering Tech Orientation	4			
CMET 112	Technical Algebra/Trigonometry	4			
ENGR 102	Engineering Graphics	3			
CMET 121	Strength of Materials	4			
CMET 122	Technical Engineering Physics	4			
CMET 123	Tech Algebra w/Analyt Geometry	4			
CMET 131	Applied Calculus	8			
ENGR 226	Plane Surveying (add)	4			
CMET 133	Materials Technology	3			
CMET 211	Environmental Quality	4			

CMET 212	Thermodynamics I	4			
CMET 213	Fluid Mechanics	3			
CMET 214	Route Surveying	3			
CMET 221	Environmental Systems	3			
CMET 222	Thermodynamics II	4			
CMET 223	Project Management	3			
CMET 227	Applied Electricity Fundamentals	2			
CMET 228	Construction Materials	3			
CMET 233	CET Applied CAD	3			
CMET 236	Structural Design	3			
CMET 241	Structural Steel Drafting	3			
CMET 254	Civil/Mechanical Engr Tech Sem	1			
EET 110	Intro to Renewable Energy	3			
GEO 265	Intro to GIS	4			
SOC 228	Intro to Environ Sociology	4			
COMM 100 or COMM 111	Intro to Speech Comm. or Public Speaking	4			
	General Education	7			
CMET 280A	Co-op Ed, optional				
	Credit	108		Credit	108
	Total			Total	

SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)

Is this a statewide degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Has the change been approved by the consortium?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is this a degree option?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, name of the base degree:	AAS Civil Engineering Technology
Are there any career pathway(s) or related certificates attached to this degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name of career pathway(s) or related certificate	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)			Fall 2013

Submitted By:	Jan Chambers, CMET SAC chair	
Email:	jchamber@pcc.edu	



CERTIFICATE REVISION REQUEST FORM

Directions: Fill out completely and
 return electronically to:
dac@pcc.edu

Signature pages should be intercampus mailed to:
 Curriculum Office DC 4th floor

SECTION #1 OVERVIEW

Current Title:	Civil Engineering Technology Two-Year Certificate	Proposed Title:	No change
Current Credits:	67	Proposed Credits:	No change
Overview and rationale for proposed changes:	Change to limited-entry program		
List of specific changes being proposed which may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes etc. Use consistent words – Add, Remove, Increase, Decrease, Change	Change to limited-entry program. Prospective students must meet with an engineering technology advisor prior to registering for any CMET courses.		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	

SECTION #2 REVISION AREAS

Prerequisites			
Current Prerequisites	Does the revision involve changing certificate prerequisites?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Course Number	Course Title or Placement level		
WR 115 or equivalent placement test score.	Introduction to Expository Writing		
MTH60 or equivalent placement test score.	Introductory Algebra, first term		
Proposed Prerequisites			
Course Number	Course Title or Placement level		
WR 115 or equivalent placement test score.	Introduction to Expository Writing		
MTH60 or equivalent placement test score.	Introductory Algebra, first term		
	Civil Engineering Technology is a limited-entry program. Prospective students must meet with an engineering technology advisor prior to registering for any CMET courses.		
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing certificate outcomes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the certificate outcomes.			
Certificate Outcome		Core Outcome	
<i>Students who complete this certificate should be able to:</i>			
• Apply effective and efficient communication skills, teamwork that fosters		• Critical Thinking and Problem Solving	

inclusion, time management skills, ethical engineering practices and professional responsibility.	<ul style="list-style-type: none"> Professional Competence Community and Environmental Responsibility Cultural Awareness Communication
• Practice sustainable engineering methodologies.	<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence Community and Environmental Responsibility Cultural Awareness
• Utilize the knowledge of visualization skills and computer aided drawing programs, within proper industry acceptable standards and conventions.	<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence Communication
• Apply effective and efficient communication skills, teamwork that fosters inclusion, time management skills, ethical engineering practices and professional responsibility.	<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence Community and Environmental Responsibility Cultural Awareness Communication
• Practice sustainable engineering methodologies.	<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence Community and Environmental Responsibility Cultural Awareness
• Utilize the knowledge of visualization skills and computer aided drawing programs, within proper industry acceptable standards and conventions.	<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence Communication
Revised Outcomes: Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the certificate outcomes.	
Certificate Outcome	Core Outcome
No change	
Related Instruction	

Does the revision involve changing or adding Related Instruction?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, a template for Related Instruction will need to be filled out. The template can be found at: http://www.pcc.edu/recources/academic/eac/degree/forms.html	
Additional Comments Or Changes	

SECTION #3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.
 If you want to rearrange the order of courses within the term by term sequence do so on this form.
 If you are removing a course identify the course with (remove) and bold the text.
 If the course title is changed identify the course with (title change) and bold the text.
 If the course credits have changed identify the course with (increase or decrease credit) and bold the text.
 If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

Current Certificate Information			Proposed Certificate Information		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
CMET 110	Statics	4			
CMET 111	Engineering Tech Orientation	4		No changes to courses	
CMET 112	Technical Algebra/Trigonometry	4			
ENGR 102	Engineering Graphics	3			
CMET 121	Strength of Materials	4			
CMET 122	Technical Engineering Physics	4			
CMET 123	Tech Algebra w/Analyt Geometry	4			
CH 104	Allied Health Chemistry	5			
CMET 131	Applied Calculus	8			

CMET 227	App Electricity Fundamentals	2			
WR 121	English Composition	4			
	General Education (Social Science)	4			
ENGR 226	Plane Surveying (add)	4			
CMET 133	Materials Technology	3			
CMET 213	Fluid Mechanics	3			
CMET 221	Environmental Systems	3			
COMM 100 or COMM 111	Intro to Speech Comm. or Public Speaking	4			
	Credit total	67		Credit total	67

SECTION #4 (Please contact the Curriculum Office for support in filling out this section)			
Is this a Related Certificate?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this a Career Pathway?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, what is the base degree?	AAS Civil Engineering Technology	Will the proposed change affect the Career Pathway or Related Certificate? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If yes, how?			
Is this a statewide certificate? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, has the change been approved by the consortium? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)		Fall 2013	

Submitted by:	Jan Chambers, CMET SAC chair	
Email:	ichamber@pcc.edu	
Phone:	x4681	

1.



ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM

Directions: Fill out completely and
return electronically to:
dac@pcc.edu
Signature pages should be intercampus mailed to:
Curriculum Office DC / 4th floor

SECTION # 1 OVERVIEW

Current Title:	Mechanical Engineering Technology	Proposed Title:	No change
Current Credits:	101	Proposed Credits:	No change
Overview and rationale for proposed changes:	Change to limited-entry program		
List of specific changes being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc). Use simple text such as Add, Remove, Change, Revise to inform the reader of the changes desired.	Change to limited-entry program. Prospective students must meet with an engineering technology advisor prior to registering for any CMET courses.		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	

SECTION # 2 PREREQUISITES AND OUTCOMES

All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.

Current Prerequisites	Does the revision involve changing degree prerequisites?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Course Number	Course Title or Placement level	
WR 115 or equivalent placement test score.	Introduction to Expository Writing	
MTH60 or equivalent placement test score.	Introductory Algebra, first term	
Proposed Prerequisites		
Course Number	Course Title or Placement level	
WR 115 or equivalent placement test score.	Introduction to Expository Writing	
MTH60 or equivalent placement test score.	Introductory Algebra, first term	
	Mechanical Engineering Technology is a limited-entry program. Prospective students must meet with an engineering technology advisor prior to registering for any CMET courses.	
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing degree outcomes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.		
Degree Outcome		Core Outcome
<i>Students who complete this degree should be able to:</i>		
<ul style="list-style-type: none"> Apply fundamental knowledge of mathematical, computational, scientific and engineering concepts to identify, formulate and design successful resolutions to real-world mechanical or manufacturing engineering problems. 		<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence Communication

<ul style="list-style-type: none"> Utilize appropriate laboratory techniques, engineering equipment and computational technology to collect, analyze, and interpret data to acquire scientific knowledge about a stated problem. 	<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence Communication
<ul style="list-style-type: none"> Utilize the knowledge of visualization skills, computer aided drawing programs and the ability to create and interpret engineering drawings, to design machines and manufacturing processes within proper industry acceptable standards and conventions. 	<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence Communication
<ul style="list-style-type: none"> Apply effective and efficient communication skills, teamwork that fosters inclusion, project and time management skills, ethical engineering practices and professional responsibility in order to plan, design, fabricate, construct and operate engineering systems or components. 	<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence Community and Environmental Responsibility Cultural Awareness Communication
<ul style="list-style-type: none"> Practice sustainable engineering methodologies. 	<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence Community and Environmental Responsibility Cultural Awareness
Revised Outcomes: Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.	
Degree Outcome	Core Outcome
<i>Students who complete this degree should be able to:</i>	
No change	

SECTION # 3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.

If you want to rearrange the order of courses within the term by term sequence do so on this form.

If you are removing a course identify the course with (remove) and bold the text.

If the course title is changed identify the course with (title change) and bold the text.

If the course credits have changed identify the course with (increase or decrease credit) and bold the text.

If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	COURSE TITLE	CREDITS	COURSE NUMBER	COURSE TITLE	CREDITS
CMET 110	Statics	4			
CMET 111	Engineering Tech Orientation	4		No changes to courses	
CMET 112	Technical Algebra/Trigonometry	4			
ENGR 102	Engineering Graphics	3			
CH 104	Allied Health Chemistry	5			
CMET 121	Strength of Materials	4			
CMET 122	Technical Engineering Physics	4			
CMET 123	Tech Algebra w/Analyt Geometry	4			
CMET 131	Applied Calculus	8			
CMET 227	App Electricity Fundamentals	2			
WR 121	English Composition	4			
	General Education	4			
CMET 280A	Co-op Ed, optional				
CMET 226	Dynamics	3			
CMET 133	Materials Technology	3			
CMET 221	Environmental Systems	3			
CMET 213	Fluid Mechanics	3			
SP 100 or SP 111	Intro to Speech Comm. or Public Speaking	4			
ENGR 262	Manufacturing Processes	4			
CMET 212	Thermodynamics I	4			
CMET 211	Environmental Quality	4			
CMET 241	Structural Steel Drafting	3			
CMET 254	Civil/Mechanical Engr Tech Sem	1			
	General Education	3			
CMET 235	Machine Design	3			
CMET 237	MET Applied CAD	3			
CMET 222	Thermodynamics II	4			
CMET 223	Project Management	3			
CMET 236	Structural Design	3			

	Credit	101		Credit	101
Total			Total		
SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)					
Is this a statewide degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Has the change been approved by the consortium?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Is this a degree option?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, name of the base degree:		
Are there any career pathway(s) or related certificates attached to this degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, name of career pathway(s) or related certificate		
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)				Fall 2013	

Submitted By:	Jan Chambers, CMET SAC chair
Email:	jchamber@pcc.edu



CERTIFICATE REVISION REQUEST FORM

Directions: Fill out completely and
return electronically to:
dac@pcc.edu

Signature pages should be intercampus mailed
to:
Curriculum Office DC 4th floor

SECTION #1 OVERVIEW

Current Title:	Mechanical Engineering Technology Two-Year Certificate	Proposed Title:	No change
Current Credits:	66	Proposed Credits:	No change
Overview and rationale for proposed changes:	Change to limited-entry program		
List of specific changes being proposed which may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes etc. Use consistent words – Add, Remove, Increase, Decrease, Change	Change to limited-entry program. Prospective students must meet with an engineering technology advisor prior to registering for any CMET courses.		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	

SECTION #2 REVISION AREAS

Prerequisites			
Current Prerequisites	Does the revision involve changing certificate prerequisites?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Course Number	Course Title or Placement level		
	Placement into WR115		
MTH 60	Introductory Algebra, first term		
Proposed Prerequisites			
Course Number	Course Title or Placement level		
WR 115 or equivalent placement test score.	Introduction to Expository Writing		
MTH60 or equivalent placement test score.	Introductory Algebra, first term		
	Mechanical Engineering Technology is a limited-entry program. Prospective students must meet with an engineering technology advisor prior to registering for any CMET courses.		
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing certificate outcomes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the certificate outcomes.			
Certificate Outcome		Core Outcome	
<i>Students who complete this certificate should be able to:</i>			
<ul style="list-style-type: none"> Apply fundamental knowledge of mathematical, computational, scientific and engineering concepts to real-world mechanical or manufacturing 		<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence 	

engineering problems.	<ul style="list-style-type: none"> • Communication
<ul style="list-style-type: none"> • Utilize the knowledge of visualization skills and computer aided drawing programs, within proper industry acceptable standards and conventions. 	<ul style="list-style-type: none"> • Critical Thinking and Problem Solving • Professional Competence • Communication
<ul style="list-style-type: none"> • Apply effective and efficient communication skills, teamwork that fosters inclusion, time management skills, ethical engineering practices and professional responsibility. 	<ul style="list-style-type: none"> • Critical Thinking and Problem Solving • Professional Competence • Community and Environmental Responsibility • Cultural Awareness • Communication
<ul style="list-style-type: none"> • Practice sustainable engineering methodologies. 	<ul style="list-style-type: none"> • Critical Thinking and Problem Solving • Professional Competence • Community and Environmental Responsibility • Cultural Awareness
Revised Outcomes: Identify which certificate outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the certificate outcomes.	
Certificate Outcome	Core Outcome
No change	
Related Instruction	
Does the revision involve changing or adding Related Instruction?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, a template for Related Instruction will need to be filled out. The template can be found at: http://www.pcc.edu/recources/academic/eac/degree/forms.html	
Additional Comments Or Changes	

SECTION #3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.

If you want to rearrange the order of courses within the term by term sequence do so on this form.

If you are removing a course identify the course with (remove) and bold the text.

If the course title is changed identify the course with (title change) and bold the text.

If the course credits have changed identify the course with (increase or decrease credit) and bold the text.

If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

Current Certificate Information			Proposed Certificate Information		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
CMET 110	Statics	4			
CMET 111	Engineering Tech Orientation	4		No changes to courses	
CMET 112	Technical Algebra/Trigonometry	4			
ENGR 102	Engineering Graphics	3			
CMET 121	Strength of Materials	4			
CMET 122	Technical Engineering Physics	4			
CMET 123	Tech Algebra w/Analyt Geometry	4			
CH 104	Allied Health Chemistry	5			
CMET 131	Applied Calculus	8			
CMET 227	App Electricity Fundamentals	2			
WR 121	English Composition	4			
	General Education (Social Science)	4			
CMET 226	Dynamics	3			
CMET 133	Materials Technology	3			
CMET 221	Environmental Systems	3			
CMET 213	Fluid Mechanics	3			
COMM 100 or COMM 111	Intro to Speech Comm. or Public Speaking	4			
Credit total		67		Credit total	66

SECTION #4 (Please contact the Curriculum Office for support in filling out this section)

Is this a Related Certificate?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this a Career Pathway?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, what is the base degree?	AAS Mechanical Engineering Technology	Will the proposed change affect the Career Pathway or Related Certificate? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If yes, how?			
Is this a statewide certificate? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, has the change been approved by the consortium? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)		Fall 2013	

Submitted by:	Jan Chambers, CMET SAC chair	
Email:	jchamber@pcc.edu	
Phone:	x4681	

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ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM

**Directions: Fill out completely and
return electronically to:
dac@pcc.edu
Signature pages should be intercampus mailed to:
Curriculum Office DC / 4th floor**

SECTION # 1 OVERVIEW

Current Title:	Mechanical Engineering Technology with Green Technology and Sustainability option	Proposed Title:	No change
Current Credits:	108	Proposed Credits:	No change
Overview and rationale for proposed changes:	Change to limited-entry program		
List of specific changes being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc). Use simple text such as Add, Remove, Change, Revise to inform the reader of the changes desired.	Change to limited-entry program. Prospective students must meet with an engineering technology advisor prior to registering for any CMET courses.		
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, have you communicated with the SAC or the dean? Are they aware of the financial and/or schedule impact of this change? Provide details of the conversation including who was contacted.	

SECTION # 2 PREREQUISITES AND OUTCOMES

All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.

Current Prerequisites	Does the revision involve changing degree prerequisites?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Course Number	Course Title or Placement level		

WR 121 or equivalent placement test score.	English Composition	
MTH60 or equivalent placement test score.	Introductory Algebra, first term	
Proposed Prerequisites		
Course Number	Course Title or Placement level	
WR 121 or equivalent placement test score.	English Composition	
MTH60 or equivalent placement test score.	Introductory Algebra, first term	
	Mechanical Engineering Technology is a limited-entry program. Prospective students must meet with an engineering technology advisor prior to registering for any CMET courses.	
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do “out there” (in life roles: worker, family member, community citizen, global citizen, and life-long learner), as opposed to a classroom activity “in here”? Good outcomes statements will suggest context to indicate this “out there” and they will describe what students can DO with what they know. The committee will review the outcomes. For guidance on writing good outcome statements.	Does the revision involve changing degree outcomes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.		
Degree Outcome		Core Outcome
<i>Students who complete this degree should be able to:</i>		
<ul style="list-style-type: none"> Apply fundamental knowledge of mathematical, computational, scientific and engineering concepts to identify, formulate and design successful resolutions to real-world mechanical or manufacturing engineering problems. 		<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence Communication

<ul style="list-style-type: none"> Utilize appropriate laboratory techniques, engineering equipment and computational technology to collect, analyze, and interpret data to acquire scientific knowledge about a stated problem. 	<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence Communication
<ul style="list-style-type: none"> Utilize the knowledge of visualization skills, computer aided drawing programs and the ability to create and interpret engineering drawings, to design machines and manufacturing processes within proper industry acceptable standards and conventions. 	<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence Communication
<ul style="list-style-type: none"> Apply effective and efficient communication skills, teamwork that fosters inclusion, project and time management skills, ethical engineering practices and professional responsibility in order to plan, design, fabricate, construct and operate engineering systems or components. 	<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence Community and Environmental Responsibility Cultural Awareness Communication
<ul style="list-style-type: none"> Practice sustainable engineering methodologies with a holistic understanding of the impact of engineering solutions in a global, societal, and environmental context using the latest in green technology and GIS software. 	<ul style="list-style-type: none"> Critical Thinking and Problem Solving Professional Competence Community and Environmental Responsibility Cultural Awareness
Revised Outcomes: Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcomes may not be address by the AAS degree outcomes.	
Degree Outcome	Core Outcome
<i>Students who complete this degree should be able to:</i>	
No change	

SECTION # 3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the [catalog](#). If listed term by term then identify them in a term by term sequence on this form. If they identified within categories such as CORE, ELECTIVES, etc, then identify them as such.

If you are adding a course place it in the preferred term or category, identify such a course with (add) and bold the text in the line.

If you want to rearrange the order of courses within the term by term sequence do so on this form.

If you are removing a course identify the course with (remove) and bold the text.

If the course title is changed identify the course with (title change) and bold the text.

If the course credits have changed identify the course with (increase or decrease credit) and bold the text.

If you need more lines to accommodate the courses, right click and insert rows.

The information you provide on this form will be reflected in the PCC catalog pages and GRADplan. Please ensure it is correct.

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	COURSE TITLE	CREDITS	COURSE NUMBER	COURSE TITLE	CREDITS
CH 104	Allied Health Chemistry	5			
CMET 110	Statics	4		No changes to courses	
CMET 111	Engineering Tech Orientation	4			
CMET 112	Technical Algebra/Trigonometry	4			
ENGR 102	Engineering Graphics	3			
CMET 121	Strength of Materials	4			
CMET 122	Technical Engineering Physics	4			
CMET 123	Tech Algebra w/Analyt Geometry	4			
CMET 131	Applied Calculus	8			
CMET 133	Materials Technology	3			
CMET 211	Environmental Quality	4			
CMET 212	Thermodynamics I	4			
CMET 213	Fluid Mechanics	3			
ENGR 262	Manufacturing Processes	4			
CMET 221	Environmental Systems	3			
CMET 222	Thermodynamics II	4			
CMET 223	Project Management	3			
CMET 226	Dynamics	3			
CMET 227	Applied Electricity Fundamentals	2			
CMET 235	Machine Design	3			
CMET 236	Structural Design	3			
CMET 237	MET Applied CAD	3			
CMET 241	Structural Steel Drafting	3			
CMET 254	Civil/Mechanical Engr Tech Sem	1			
EET 110	Intro to Renewable Energy	3			
GEO 265	Intro to GIS	4			
SOC 228	Intro to Environ Sociology	4			
COMM 100 or COMM 111	Intro to Speech Comm. or Public Speaking	4			

	General Education	7			
CMET 280A	Co-op Ed, optional				
	Credit	108		Credit	108
	Total			Total	

SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)

Is this a statewide degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Has the change been approved by the consortium?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is this a degree option?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, name of the base degree:	AAS Mechanical Engineering Technology
Are there any career pathway(s) or related certificates attached to this degree?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name of career pathway(s) or related certificate	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)			Fall 2013

Submitted By:	Jan Chambers
Email:	jchamber@pcc.edu