Degrees and Certificates Agenda October 9th, 2013 Downtown Center Rose Room 2pm to 4pm

Old Business:

Review June 5th, 2013 minutes

Discussion Items:

EAC Report: Susanne Christopher

DOI Report: Cheryl Scott

Adult HS Diploma: Cheryl Scott

Curriculum Office Report: Anne Haberkern

CIC Report: Janeen Hull, Phil Christian

New Business:

2:30 Revision: Building Construction Technology AAS: Robert Steele

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

Revision: Design/Build Remodeling AAS: Robert Steele

Adding one course, adding electives, removing four courses, degree title change, and degree credit decrease.

2:40 Revision: Civil Engineering Technology AAS: Jan Chambers

Adding one course, and removing one course.

Revision: Civil Engineering Technology with Green Technology and Sustainability AASO: Jan Chambers

Adding one course, and removing one course.

Revision: Civil Engineering Technology Two Year Certificate: Jan Chambers

Adding one course, and removing one course.

Revision: Mechanical Engineering Technology AAS: Jan Chambers

Adding one course, and removing one course.

Revision: Mechanical Engineering Technology with Green Technology and Sustainability AASO: Jan Chambers

Adding one course, and removing one course.

Revision: Mechanical Engineering Technology Two Year Certificate: Jan Chambers

Adding one course, and removing one course.

2:50 SUSPENSION: Tillamook Bay Community College: Multi Program: Lori Gates

Tillamook Bay CC wishes to suspend twenty two degrees and certificates.

Consent Agenda:

Geographic Information Systems: Adding GEO 210, 240, 250 to electives.



ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM

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

SECTION # 1 OVERVIEW							
Current Title:	Building (Construction Technology	Propose	ed Title:	No Change		
Current Credits:	93 Proposed Credits:					96	
Overview and rationale for proposed changes:	the currer BCT 229	The BCT SAC agree the curriculum changes proposed will better enhance students' base knowledge necessary for the current construction industry. Surveying is a specialized industry field most often sub-contracted. BCT 129 and BCT 229 will provide students a base knowledge of Kitchen and Bath remodeling which is becoming more relevant as an employment skill.					
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.	 ADD. BCT 129, Mechanical Planning for Kitchens and Baths. ADD. BCT 229, Introduction to Kitchens and Baths. DELETE. BCT 101, Principles of Construction Surveying. move: COMM 215 and Electives to different terms. Increase # credits required to earn the degree. Revise outcomes 						
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	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.						
All degree/certi	SECTION # 2 PREREQUISITES AND OUTCOMES All degree/certificate outcomes will be reviewed by the committee regardless of whether or not outcomes have changed.						
urrent Prerequisites Does the revision involve changing degree prerequisites?							

		10/7				
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	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	Does the revision involve changing degree outcomes?				
changed.	committee will review the outcomes. For guidance on writing good outcome statements.	⊠Yes				
Identify which college AAS de degree outcomes.	egree outcome aligns to individual core outcomes. It is possible that all core outcomes	utcomes may not be address by the AAS				
Degree Outcome		Core Outcome				
Degree Outcomes: Students	who complete this degree should be able to:					
Safely construct and fi documents, estimating	1,3,4,5					
• Safely construct various residential floor, wall and roof framing systems by interpreting construction documents, estimating costs, ordering materials, and completing projects to industry standards. 1,3,4,5						
• 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						

• Apply competence in tool and job site safety, applied mathematics, estimating, building codes, and

Practice the efficient use of natural and man-made resources in both commercial and residential building

projects to industry standards.

construction surveying.

1,3,4,5

1,3,4,5

1,2,3,5

construction.	
Read, understand and generate construction documents, and communicate in the construction environment using effective written and oral communication skills.	1,2,3,5

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
Students who complete this degree should be able to:	
 Safely construct and finish concrete foundation and flatwork systems by interpreting construction documents, estimating costs, ordering materials, and completing projects to industry standards. 	1,3,4,5
 Safely construct various residential floor, wall and roof framing systems by interpreting construction documents, estimating costs, ordering materials, and completing projects to industry standards. 	1,3,4,5,
 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. 	1,3,4,5
 Apply competence in tool and job site safety, applied mathematics, estimating, and building codes. 	surveying deleted 1,3,5
 Practice the efficient use of natural and man-made resources in both commercial and residential building construction. 	1,2,3,5
 Read, understand and generate construction documents, and communicate in the construction environment using effective written and oral communication skills. 	1,2,3,5

SECTION #3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the <u>catalog</u>. 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.

3

The informa	The information you provide on this form will be reflected in the PCC catalog pages and GRAD plan. Please ensure it is correct.								
	CURRENT DEGREE INFORMATION		PROPOSED DEGREE INFORMATION						
COURSE NUMBER	COURSE TITLE	CREDI TS	COURSE NUMBER	COURSE TITLE	CRE DITS				
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	O	2	Arch 132	Residential Building Codes	2				
BCT 101	Prin. of Construction Surveying Delete	3	BCT Ele.	BCT Degree Elective	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 120	Floor Framing	3				
BCT 121	Wall Framing	3	BCT 121	Wall Framing	3				
BCT 122	Roof Framing1	3	BCT122	Roof Framing 1	3				
BCT 123	Roof Framing 2	3	BCT 123	Roof Framing 2	3				
			SP 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 Delete	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

BCT 211	Remodeling		6	BCT 211	Remodeling			6
WR 227	Tech. and Professio	nal Writing 1	4	WR 227	Tech. and Pr	Professional Writing 1		4
	Cı	edit Total 93					Credit Total 96	
SECTI	SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)							
Is this a statewide degree? ☐ Yes X No		☐ Yes X No	Has the change been approved by the consortium?			y the	☐ Yes X No	
Is this a degree option? Yes ⊠ No		If yes, name of the base degree:			e:	Building Construct Technology	ion	
or related c	ny career pathway(s) certificates attached his degree?	⊠ Yes No	If yes, name of career pathway(s) or rel certificate		related	Less than One-Year Certificate, Building Construction Technology		
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)							Fall 2014	

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



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SECTION # 1 OVERVIEW BUILDING CONSTRUCTION TECHNOLOGY: **Proposed Title: Current Title:** NO CHANGE DESIGN/BUILD REMODELING **Proposed Credits: Current Credits:** 103 103 The BCT SAC proposes to delete the two Vectorworks courses as required and add them to a "Cad Elective" option. Vectorworks provides a limited scope of CAD training and is not commonly used in industry. ID 131and133 are Overview and rationale courses more associated with the Interior Design Program. The BCT SAC feels the typical BCT degree seeking for proposed changes: student would benefit more from BCT 127. BCT 202 D has been eliminated due to enrollment issues, and replaced by BCT 202C. 1. Delete BCT 105 Vectorworks for Constructors List of specific changes 2. Delete BCT 209 Vectorworks for Constructors 2 being proposed (i.e. may 3. Delete ID 131 Introduction to Interiors include, addition or deletion 4. Delete ID 133 Space Planning and Designs of courses, title changes, 5. ADD BCT 127 Residential Concrete credit changes, prerequisite changes, outcome changes, 6. ADD: CAD Electives 6 credits course changes, etc). Use 7. Identify CAD elective list simple text such as Add, 8. Delete BCT 202D Remove, Change, Revise to 9. ADD BCT 202C inform the reader of the changes desired. Are you adding or removing If yes, have you communicated with the SAC or the dean? Are they aware of the a course which is from **BCT Department Chairs advised Interior Design Chair** X Yes financial and/or schedule impact of this another discipline? Amanda Ferrogiaro of these changes, and she change? Provide details of the Consider this question for understands and accepts the reasons for this change. conversation including who was program prerequisites and Nο required courses 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?	☐ Yes	X 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	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		ion involve changing e outcomes?				
changed.	committee will review the outcomes. For guidance on writing good outcome statements.	□Ye	s ⊠No				
Identify which college AAS deg degree outcomes.	gree outcome aligns to individual core outcomes. It is possible that all core ou	itcomes may not	be address by the AAS				
Degree Outcome Students wil	ho complete this degree should be able to:	Core Outcome	•				
		Responsibility:	nd Environmental ng and Problem Solving: eness:				
-							
	lents who complete this degree should be able to:						
 Evaluate building systems, including structural and mechanical, and apply such knowledge to building 1, 3, 5 							

Students who complete this degree should be able to:	
Degree Outcome	Core Outcome
Revised Outcomes: Identify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcome degree outcomes.	s may not be address by the AAS
 Exhibit organizational and written/oral communication skills required to bring design/build projects from initial concept to competition. 6.2.10 	1, 3, 5
Practice ethical standards of business conduct and professional services.	5
 Prepare contract documents, using industry standards for written and graphic communication. Manage project schedule, subcontractors and suppliers. 	1, 3, 5
 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. 	1, 3, 5
 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. 	1, 3, 5
design and construction requirements. Use efficient and safe construction skills and techniques on remodeling and/or new construction projects	

SECTION # 3 COURSE BY COURSE COMPARISON

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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.

С	URRENT DEGREE INFORMATION		PROPOSED DEGREE INFORMATION			
COURSE NUMBER	COURSE TITLE	CRE DITS	COURSE NUMBER	COURSE TITLE	CREDI TS	
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	
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 105	Vectorworks for Contractors Delete	3	CAD Ele	Cad Elective Add	3	
ID 131	Introduction to Interiors Delete	3	BCT 127	Residential Concrete Add	6	
SP 215	Small Group Communications	4	SP 215	Small Group Communications	4	
3 rd Term			3 rd 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 Ele	Cad Elective Add	3	
ID 133	Space Planning and Design Delete	3				
4 th Term			4 th 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	BCT 202C	Bus. Prin. For Const. Management Add	3	
5 th Term			5 th Term			
BCT 203	Interior Finish	6	BCT 203	Interior Finish	6	
BCT 206	Sustainable Const. Practices Move	3	BCT 219	Cabinetmaking 1	6	

10/7

								10/7
BCT 219	Cabinetmaking 1		6	ID 238	Adv. Kitchen & Ba	th Design		3
ID 238	Adv. Kitchen & Bath	n Design	3	Gen Ed	General Education			4
6 th Term				6 th Term				
BCT 204B	Const. Estimating-F	Residential	3	BCT 204B	Const. Estimating-	Residentia	al	3
BCT 211	Remodeling		6	BCT 211	Remodeling			6
BCT 244	Kitchen & Bath Cab	inet Installation	2	BCT 244	Kitchen & Bath Ca	binet Insta	Illation	2
Gen Ed	General Education		8	BCT 206	Sustainable Const	. Practices	}	3
				Gen Ed	General Education	1		4
					CAD Elective List	<u> </u>		
					ARCH 126 Intro to			
					ARCH 136 Interme			
					BCT 105 Vectorwo			
				BCT 209 Vectorworks for Contractors 2				
						troduction to Revit Architecture		
					ARCH 247Intermediate Rev			
						CH 127Introduction to Google Sketch-up		
	C	redit Total	103		Credit Total			103
SECTI	ON # 4 (Please	contact the Cur	ricul	Has the char	r support in filling		is section if nee	•
Is this a s	tatewide degree?	☐ Yes X No		consortium?			□ res x	NO
Is this a	degree option?	X Yes 🗌 No		If yes, name of the base degree:		e:	Building Construction Technology	
or related co	y career pathway(s) ertificates attached nis degree?	☐ Yes X No		If yes, name of career pathway(s) or relate certificate				
	mplementation Term to Degree/Certificate	timeline implementa	ntion g	uidelines)			Fall Term 2014	

Submitted By:	Robert Steele
Email:	rsteele@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.



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SECTION # 1 OVERVIEW

Current Title:	Civil Engi	ineering Technology	Propos	sed Title:	No change		
Current Credits:		101	Propos	sed Credits:	No change		
for proposed changes:	Replace the chemistry requirement of CH 104 (Allied Health Chemistry) with CH 101 (Inorganic Chemistry Principles). We have worked with the chemistry department to tailor the curriculum of CH101 to meet the needs of the CMET program and its students.						
of courses, title changes.	Remove CH 104						
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	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. We have worked with Patty Maazouz, the chair of the chemistry department, to coordinate this change. Jim Schneider and other members of the Chemistry SAC have also been involved in change made to CH101.					hneider and other	
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 certificate prerequisites? ☐ Yes ☑ 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				
	CET is a limited-entry program. Prospective students ments an engineering technology advisor prior to registeric CMET courses.				
Proposed Prerequisites					
Course Number					
	No changes				
Current Outcomes: Required whether or not outcomes are being	Describe what we intend students to be able to do "out there" (in life rol family member, community citizen, global citizen, and life-long learner), classroom activity "in here"? Good outcomes statements will suggest co this "out there" and they will describe what students can DO with what t committee will review the outcomes. For guidance on writing good outcomes.	Does the revision degree ou	itcomes?		
changed.	committee will review the outcomes. For guidance on writing good outcomes	statements.	□Yes	⊠ No	
Identify which college AAS deg degree outcomes.	ree outcome aligns to individual core outcomes. It is possible	that all core ou	utcomes may not be a	address by the AAS	
Degree Outcome		Core Outcom	пе		
Students who complete this de	gree should be able to:				
,	wledge of mathematical, computational, scientific and	 Critical Thinking and Problem Solving 			
engineering concepts to identify, formulate and design successful resolutions to real-world civil engineering problems.			Professional CompetenceCommunication		
	ratory techniques, engineering equipment and computational	Critical Thinking and Problem Solving			
	nalyze, and interpret data to acquire scientific knowledge	Professional Competence			
about a stated problem		Communication Critical Thinking and Broblem Solving			
	f visualization skills, computer aided drawing programs and interpret engineering drawings, to design civil engineering	Critical Thinking and Problem SolvingProfessional Competence			
	ndustry acceptable standards and conventions.		nunication		

 Practice sustainable engineering methodologies. Practice sustainable engineering methodologies. Critical Thinking and Problem Solving Professional Competence Community and Environmental Responsibility Cultural Awareness 	 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. 	 Critical Thinking and Problem Solving Professional Competence Community and Environmental Responsibility Cultural Awareness Communication
	Practice sustainable engineering methodologies.	 Professional Competence 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						
Students who complete this degree should be able to:							
No change							

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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			COURSE		
NUMBER	COURSE TITLE	CREDITS	NUMBER	COURSE TITLE	CREDITS
CMET 110	Statics	4	CMET 110	Statics	4
CMET 111	Engineering Tech Orientation	4	CMET 111	Engineering Tech Orientation	4

Credit Total	101		Credit Total	101
Structural Design	3	CIVIET 236	Structural Design	3
, ,			, ,	3
•	_		,	4
• •			··	3
, ,			, ,	3
				3
-		CMET 254	•	1
Ÿ			Š	3
	_		•	4
Thermodynamics I	4	CMET 212	Thermodynamics I	4
Construction Materials	3	CMET 228	Construction Materials	3
Intro to Speech Comm. or Public Speaking	4	COMM 100 or COMM 111	Intro to Speech Comm. or Public Speaking	4
Fluid Mechanics	3	CMET 213	Fluid Mechanics	3
Environmental Systems	3	CMET 221	Environmental Systems	3
Materials Technology	3	CMET 133	Materials Technology	3
Plane Surveying	4	ENGR 226	Plane Surveying	4
Co-op Ed, optional		CMET 280A	Co-op Ed, optional	
General Education	4		General Education	4
English Composition	4	WR 121	English Composition	4
App Electricity Fundamentals	2	CMET 227	App Electricity Fundamentals	2
Applied Calculus	8	CMET 131	Applied Calculus	8
Tech Algebra w/Analyt Geometry	4	CMET 123	Tech Algebra w/Analyt Geometry	4
Technical Engineering Physics	4	CMET 122	Technical Engineering Physics	4
Strength of Materials	4	CMET 121	Strength of Materials	4
Allied Health Chemistry (remove)	5	CH 101	Inorganic Chemistry Principles (add)	5
Engineering Graphics	3	ENGR 102	Engineering Graphics	3
	Allied Health Chemistry (remove) Strength of Materials Technical Engineering Physics Tech Algebra w/Analyt Geometry Applied Calculus App Electricity Fundamentals English Composition General Education Co-op Ed, optional Plane Surveying Materials Technology Environmental Systems Fluid Mechanics Intro to Speech Comm. or Public Speaking Construction Materials Thermodynamics I Environmental Quality Structural Steel Drafting Civil/Mechanical Engr Tech Sem General Education Surveying II CET Applied CAD Thermodynamics II Project Management Structural Design	Allied Health Chemistry (remove) Strength of Materials Technical Engineering Physics Tech Algebra w/Analyt Geometry Applied Calculus App Electricity Fundamentals English Composition General Education Co-op Ed, optional Plane Surveying Materials Technology Environmental Systems Fluid Mechanics Intro to Speech Comm. or Public Speaking Construction Materials Thermodynamics I Environmental Quality Structural Steel Drafting Civil/Mechanical Engr Tech Sem General Education 3 Surveying II CET Applied CAD Thermodynamics II Project Management Structural Design 3 4 A A	Allied Health Chemistry (remove) Strength of Materials Technical Engineering Physics Tech Algebra w/Analyt Geometry Applied Calculus Applied Calculus App Electricity Fundamentals English Composition General Education Co-op Ed, optional Plane Surveying Materials Technology Environmental Systems Fluid Mechanics Intro to Speech Comm. or Public Speaking Thermodynamics I Environmental Quality At CMET 228 Thermodynamics I Environmental Steel Drafting Civil/Mechanical Engr Tech Sem General Education CHET 233 CMET 241 CMET 225 CMET 221 CMET 221 CMET 228 CMET 213 CMET 213 CMET 214 CMET 214 CMET 215 CMET 216 CMET 221 CMET 221 CMET 228 CMET 221 CMET 221 CMET 221 CMET 221 CMET 221 CMET 221 CMET 223 CMET 233 CMET 233 CMET 233 CMET 233 CMET 233 CMET 223 Structural Design CMET 223 CMET 223	Allied Health Chemistry (remove) 5 CH 101 Inorganic Chemistry Principles (add) Strength of Materials 4 CMET 121 Strength of Materials Technical Engineering Physics 4 CMET 122 Technical Engineering Physics Tech Algebra w/Analyt Geometry 4 CMET 123 Tech Algebra w/Analyt Geometry Applied Calculus 8 CMET 131 Applied Calculus App Electricity Fundamentals 2 CMET 227 App Electricity Fundamentals English Composition 4 WR 121 English Composition General Education 4 General Education Co-op Ed, optional CMET 280A Co-op Ed, optional Plane Surveying 4 ENGR 226 Plane Surveying Materials Technology 3 CMET 231 Fluid Mechanics Intro to Speech Comm. or Public Speaking Construction Materials 3 CMET 212 Thermodynamics I Environmental Quality 4 CMET 212 Thermodynamics I Environmental Quality 4 CMET 211 Environmental Quality Structural Steel Drafting 3 CMET 241 Structural Steel Drafting General Education CMET 243 Structural Steel Drafting 3 CMET 241 Surveying II CET Applied CAD 3 CMET 223 Project Management Structural Design 3 CMET 223 Project Management Structural Design 3 CMET 223 Project Management Structural Design 5 Structural Design

Credit Total 101 Credit Total 101 SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.) Is this a statewide degree? ☐ Yes ☑ No Consortium? ☐ Yes ☐ No

Is this a degree option?	☐ Yes ⊠ No	If yes, name of the base degree	e:	
Are there any career pathway(s) or related certificates attached to this degree?	⊠ Yes □ No	If yes, name of career pathway(s) or related certificate		Two-year certificate in Civil Engineering Technology
Requested Implementation Term (Please refer to Degree/Certificate	timeline implementation	n guidelines)	For de	gree awarded Spring 2014

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



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dac@pcc.edu

Signature pages should be intercampus mailed to:

Curriculum Office DC / 4th floor

SECTION # 1 OVERVIEW

Current Title:		ineering Technology with Green Technology and bility AASO	Proposed Title:		No change			
Current Credits:		108	Proposed Cred	its:	No change			
Overview and rationale for proposed changes:	Chemis	Replace the chemistry requirement of CH 104 (Allied Health Chemistry) with CH 101 (Inorganic Chemistry Principles). We have worked with the chemistry department to tailor the curriculum of CH101 to meet the needs of the CMET program and its students.						
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.	Add CH Remove	101 e CH 104						
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	⊠ 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.	chemistry depa Jim Schneider	irtment, to co and other mo	Maazouz, the chair of the cordinate this change. embers of the Chemistry ed in changes made to			
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?				⊠ 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			
	CET is a limited-entry program. Prospective students r with an engineering technology advisor prior to register CMET courses.			
Proposed Prerequisites				
Course Number				
	No changes			
Current Outcomes: Required whether or not outcomes are being	Describe what we intend students to be able to do "out there" (in life ro family member, community citizen, global citizen, and life-long learner), classroom activity "in here"? Good outcomes statements will suggest cothis "out there" and they will describe what students can DO with what	as opposed to a ontext to indicate they know. The	Does the revision involve changing degree outcomes?	
changed.	committee will review the outcomes. For guidance on writing good outcomes.	come statements.	□ Yes ⊠ No	
Identify which college AAS ded degree outcomes.	gree outcome aligns to individual core outcomes. It is possible	e that all core ou	utcomes may not be address by the AAS	
Degree Outcome		Core Outcome	e	
Students who complete this de	egree should be able to:			
·				
engineering concepts t real-world civil enginee		Profess Commu	Thinking and Problem Solving sional Competence unication	
	oratory techniques, engineering equipment and ogy to collect, analyze, and interpret data to acquire bout a stated problem.	 Critical Thinking and Problem Solving Professional Competence Communication 		

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.	Critical Thinking and Problem SolvingProfessional CompetenceCommunication
 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. 	 Critical Thinking and Problem Solving Professional Competence Community and Environmental Responsibility Cultural Awareness Communication
 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. 	 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 <u>catalog</u>. 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	CREDITS		
CH 104	Allied Health Chemistry (remove)	5	CH 101	Inorganic Chemistry Principles (add)	5	
CMET 110	Statics	4	CMET 110	Statics	4	
CMET 111	Engineering Tech Orientation	4	CMET 111	Engineering Tech Orientation	4	
CMET 112	Technical Algebra/Trigonometry	4	CMET 112	Technical Algebra/Trigonometry	4	
ENGR 102	Engineering Graphics	3	ENGR 102	Engineering Graphics	3	
CMET 121	Strength of Materials	4	CMET 121	Strength of Materials	4	
CMET 122	Technical Engineering Physics	4	CMET 122	Technical Engineering Physics	4	
CMET 123	Tech Algebra w/Analyt Geometry	4	CMET 123	Tech Algebra w/Analyt Geometry	4	
CMET 131	Applied Calculus	8	CMET 131	Applied Calculus	8	
ENGR 226	Plane Surveying (add)	4	ENGR 226	Plane Surveying (add)	4	
CMET 133	Materials Technology	3	CMET 133	Materials Technology	3	
CMET 211	Environmental Quality	4	CMET 211	Environmental Quality	4	
CMET 212	Thermodynamics I	4	CMET 212	Thermodynamics I	4	
CMET 213	Fluid Mechanics	3	CMET 213	Fluid Mechanics	3	
CMET 214	Route Surveying	3	CMET 214	Route Surveying	3	
CMET 221	Environmental Systems	3	CMET 221	Environmental Systems	3	
CMET 222	Thermodynamics II	4	CMET 222	Thermodynamics II	4	
CMET 223	Project Management	3	CMET 223	Project Management	3	
CMET 227	Applied Electricity Fundamentals	2	CMET 227	Applied Electricity Fundamentals	2	
CMET 228	Construction Materials	3	CMET 228	Construction Materials	3	
CMET 233	CET Applied CAD	3	CMET 233	CET Applied CAD	3	
CMET 236	Structural Design	3	CMET 236	Structural Design	3	
CMET 241	Structural Steel Drafting	3	CMET 241	Structural Steel Drafting	3	
CMET 254	Civil/Mechanical Engr Tech Sem	1	CMET 254	Civil/Mechanical Engr Tech Sem	1	
EET 110	Intro to Renewable Energy	3	EET 110	Intro to Renewable Energy	3	
GEO 265	Intro to GIS	4	GEO 265	Intro to GIS	4	
SOC 228	Intro to Environ Sociology	4	SOC 228	Intro to Environ Sociology	4	
COMM 100 or COMM 111	Intro to Speech Comm. or Public Speaking	4	COMM 100 or COMM 111	Intro to Speech Comm. or Public Speaking	4	
	General Education	7		General Education	7	
CMET 280A	Co-op Ed, optional		CMET 280A	Co-op Ed, optional		
	Credit Total	108		Credit Total	108	

SECTION # 4 (Please	contact the Curric	ulum Office for support in fillin	g out th	is section if needed.)			
Is this a statewide degree?	Has the change been approved by the consortium? ☐ Yes ☑ No ☐ Yes ☑ No ☐ Yes ☑ No ☐ Yes ☐ Yes ☐ No ☐ Yes ☐ Ye						
Is this a degree option?	⊠ Yes □ No	If yes, name of the base degre	AAS Civil Engineering Technology				
Are there any career pathway(s) or related certificates attached to this degree?	⊠ Yes □ No	If yes, name of career pathway(s) or certificate	Two-year certificate in Civil Engineering Technology				
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines) For degree awarded Spring 2014							
Submitted By: Jan Chambers, CMET SAC chair							
Email:	ichamber@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 OVERVIEN	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:	Replace the chemistry requirement of CH 104 (Allied Health Chemistry) with CH 101 (Inorganic Chemistry Principles). We have worked with the chemistry department to tailor the curriculum of CH101 to meet the needs of the CMET program and its 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	Add CH 101 Remove CH 104						
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	If yes, have you community the SAC or the dean? Are of the financial and/or simpact of this change? details of the conversation who was contacted.	they aware schedule Provide schedulg also be	ave worked with Patty Maazouz, the chair of the istry department, to coordinate this change. Jim eider and other members of the Chemistry SAC have been involved in changes made to CH101.				
SECTION #2 REVISION AREAS							

Prerequisites Preservices Pres							
Current Prerequisites	Does the revision involve changing certificate p	rerequisites?	☐ Yes	⊠ No			
Course Number	Course Title or Placement le	evel					
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 st an engineering technology advisor prior to regis courses.						
Proposed Prerequisites							
Course Number	Course Title or Placement le	evel					
	No changes						
Current Outcomes: Required whether or not outcomes are being changed.		on involve changing te outcomes? s ⊠No					
Identify which certificate outco	ome aligns to individual core outcomes. It is possible	that all core outcomes may	y not be address l	by the certificate			
Certificate Outcome							
Students who complete this certificate should be able to:							
 Apply fundamental knowledge of mathematical, computational, scientific and engineering concepts to real-world civil Critical Thinking and Problem Solving Professional Competence 							

 engineering problems. Utilize the knowledge of visualization skills and computer aided 	lem Solving					
drawing programs, within proper industry acceptable standards	lem Solving					
and conventions.						
	 Critical Thinking and Prob 					
 Apply effective and efficient communication skills, teamwork that 	Professional Competence					
fosters inclusion, time management skills, ethical engineering	Community and EnvironmCultural Awareness	ental Responsibility				
practices and professional responsibility.	Cultural AwarenessCommunication					
	Critical Thinking and Prob	lem Solvina				
	Professional Competence					
 Practice sustainable engineering methodologies. 	Community and Environm					
	 Cultural Awareness 					
Revised Outcomes: Identify which certificate outcome aligns to individual core outcomes. It is possible outcomes.	e that all core outcomes may not be	e address by the certificate				
Certificate Outcome		Core Outcome				
<u> </u>						
No change						
Related Instruction						

Does the revision involve changing or adding Related Instruction?	∐Yes ⊠No
If yes, a template for Related Instruction will need t (http://www.pcc.edu/recources/aca	
Additional Commen	ts Or Changes

SECTION #3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the <u>catalog</u>. 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.

С	urrent Certificate Information	Proposed Certificate Information			
Course Number Course Title Credits			Course Number	Course Title	Credits
CMET 110	Statics	4	CMET 110	Statics	4
CMET 111	Engineering Tech Orientation	4	CMET 111	Engineering Tech Orientation	4
CMET 112	Technical Algebra/Trigonometry	4	CMET 112	Technical Algebra/Trigonometry	4
ENGR 102	Engineering Graphics	3	ENGR 102	Engineering Graphics	3
CMET 121	Strength of Materials	4	CMET 121	Strength of Materials	4

10/7

Technical Engineering Physics	4	CMET 122	Technical Engineering Physics	4
Tech Algebra w/Analyt Geometry	4	CMET 123	Tech Algebra w/Analyt Geometry	4
Allied Health Chemistry (remove)	5	CH 101	Inorganic Chemistry Principles (add)	5
Applied Calculus	8	CMET 131	Applied Calculus	8
App Electricity Fundamentals	2	CMET 227	App Electricity Fundamentals	2
English Composition	4	WR 121	English Composition	4
General Education (Social Science)	4		General Education (Social Science)	4
Plane Surveying	4	ENGR 226	Plane Surveying	4
Materials Technology	3	CMET 133	Materials Technology	3
Environmental Systems	3	CMET 221	Environmental Systems	3
Fluid Mechanics	3	CMET 213	Fluid Mechanics	3
Intro to Speech Comm. or Public Speaking	4	COMM 100 or COMM 111	Intro to Speech Comm. or Public Speaking	4
Credit total	67		Credit total	67
	Tech Algebra w/Analyt Geometry Allied Health Chemistry (remove) Applied Calculus App Electricity Fundamentals English Composition General Education (Social Science) Plane Surveying Materials Technology Environmental Systems Fluid Mechanics Intro to Speech Comm. or Public Speaking	Tech Algebra w/Analyt Geometry Allied Health Chemistry (remove) Applied Calculus App Electricity Fundamentals English Composition General Education (Social Science) Plane Surveying Materials Technology Environmental Systems Fluid Mechanics 4	Tech Algebra w/Analyt Geometry Allied Health Chemistry (remove) Applied Calculus App Electricity Fundamentals English Composition General Education (Social Science) Plane Surveying Materials Technology Environmental Systems Fluid Mechanics Intro to Speech Comm. or Public Speaking App Electricity Fundamentals CMET 131 CMET 227 WR 121 ENGR 226 CMET 226 CMET 133 CMET 221 COMM 100 or COMM 111	Tech Algebra w/Analyt Geometry Allied Health Chemistry (remove) Applied Calculus Applied Calculus App Electricity Fundamentals English Composition General Education (Social Science) Plane Surveying Materials Technology Environmental Systems Fluid Mechanics Intro to Speech Comm. or Public Speaking Tech Algebra w/Analyt Geometry A CMET 123 Tech Algebra w/Analyt Geometry Inorganic Chemistry Principles (add) Inorganic Legus (add) Inorganic Chemistry Principles (add) Inorganic Legus (add) Inorganic Chemistry Principles (add) Inorganic Legus (add) Inorgan

SECTION #4 (Please contact the Curriculum Office for support in filling out this section)							
Is this a Related Certificate?	⊠ Yes □ No	Is this a Ca	reer Pathway?	☐ Yes ⊠ No			
If yes, what is the base degree? AAS Civil Engineering Technology		g	Will the proposed change affect the Career Pathway or Related Certificate? ☐ Yes ☐ No				
If yes, how?							
Is this a statewide certificate?			If yes, has the change been approved by the consortium?				
☐ Yes ⊠ No			☐ Yes ☐ No				

Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines)	For certificate awarded Spring 2014
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Submitted by:	Jan Chambers, CMET SAC chair	
Email:	jchamber@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		ed Title:	No change				
Current Credits:	101 P			Proposed Credits: No change					
Overview and rationale for proposed changes:	Chemis	Replace the chemistry requirement of CH 104 (Allied Health Chemistry) with CH 101 (Inorganic Chemistry Principles). We have worked with the chemistry department to tailor the curriculum of CH101 to meet the needs of the CMET program and its students.							
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.		Add CH 101 Remove CH 104							
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	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. We have worked with Patty Maazouz, the chair of the chemistry department, to coordinate this change. Jim Schneider and other members of the Chemistry SAC have also been involved in changes made to CH101.								
All degree/cert	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 t	he revision involve chang	ging cert	ificate prereq	uisites?	☐ Yes	⊠ 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			
	MET is a limited-entry program. Prospective student with an engineering technology advisor prior to regist CMET courses.			
Province d Province in a				
Proposed Prerequisites				
Course Number				
	No changes			
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do "out there" (in life family member, community citizen, global citizen, and life-long learner classroom activity "in here"? Good outcomes statements will suggest this "out there" and they will describe what students can DO with who committee will review the outcomes. For guidance on writing good o	er), as opposed to a t context to indicate lat they know. The	Does the revision i degree ou	
	gree outcome aligns to individual core outcomes. It is possi	ible that all core ou		
Degree Outcome		Core Outcome		
Students who complete this de	egree should be able to:			
A 1.6				
 Apply fundamental kno engineering concepts t real-world mechanical 		ninking and Problem S nal Competence cation	olving	

 Utilize appropriate laboratory techniques, engineering equipment and computational technology to collect, analyze, and interpret data to acquire scientific knowledge about a stated problem. 	 Critical Thinking and Problem Solving Professional Competence Communication
 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. 	 Critical Thinking and Problem Solving Professional Competence Communication
 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. 	 Critical Thinking and Problem Solving Professional Competence Community and Environmental Responsibility Cultural Awareness Communication
Practice sustainable engineering methodologies.	 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				
Students who complete this degree should be able to:					
No change					

SECTION # 3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the <u>catalog</u>. 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.

CU	IRRENT DEGREE INFORMATION	ı	PROPOSED DEGREE INFORMATION		
COURSE	0011005 7171 5	ODEDITO.	COURSE	2011225 7171 5	ODEDITO.
NUMBER	COURSE TITLE	CREDITS	NUMBER	COURSE TITLE	CREDITS
CMET 110	Statics	4	CMET 110	Statics	4
CMET 111	Engineering Tech Orientation	4	CMET 111	Engineering Tech Orientation	4
CMET 112	Technical Algebra/Trigonometry	4	CMET 112	Technical Algebra/Trigonometry	4
ENGR 102	Engineering Graphics	3	ENGR 102	Engineering Graphics	3
CH 104	Allied Health Chemistry (remove)	5	CH 101	Inorganic Chemistry Principles (add)	5
CMET 121	Strength of Materials	4	CMET 121	Strength of Materials	4
CMET 122	Technical Engineering Physics	4	CMET 122	Technical Engineering Physics	4
CMET 123	Tech Algebra w/Analyt Geometry	4	CMET 123	Tech Algebra w/Analyt Geometry	4
CMET 131	Applied Calculus	8	CMET 131	Applied Calculus	8
CMET 227	App Electricity Fundamentals	2	CMET 227	App Electricity Fundamentals	2
WR 121	English Composition	4	WR 121	English Composition	4
	General Education	4		General Education	4
CMET 280A	Co-op Ed, optional		CMET 280A	Co-op Ed, optional	
CMET 226	Dynamics	3	CMET 226	Dynamics	3
CMET 133	Materials Technology	3	CMET 133	Materials Technology	3
CMET 221	Environmental Systems	3	CMET 221	Environmental Systems	3
CMET 213	Fluid Mechanics	3	CMET 213	Fluid Mechanics	3
COMM 100 or COMM 111	Intro to Speech Comm. or Public Speaking	4	COMM 100 or COMM 111	Intro to Speech Comm. or Public Speaking	4
ENGR 262	Manufacturing Processes	4	ENGR 262	Manufacturing Processes	4
CMET 212	Thermodynamics I	4	CMET 212	Thermodynamics I	4
CMET 211	Environmental Quality	4	CMET 211	Environmental Quality	4
CMET 241	Structural Steel Drafting	3	CMET 241	Structural Steel Drafting	3
CMET 254	Civil/Mechanical Engr Tech Sem	1	CMET 254	Civil/Mechanical Engr Tech Sem	1
	General Education	3		General Education	3
CMET 235	Machine Design	3	CMET 235	Machine Design	3

CMET 236	Structural Design	Credit Total	3 101		Structural Design	Credit	3 101
SECTIO	ON # 4 (Please	contact the	Curric	ulum Office for supp	Total port in filling out th	is section if	needed.)
Is this a sta	atewide degree?	☐ Yes ⊠	No	Has the change bee	· ·	☐ Ye	s 🗌 No
		☐ Yes 🏻	No	If yes, name of th	ne base degree:		
Is this a c	degree option?						
Are there any	degree option? career pathway(s) rtificates attached	∑ Yes □	No	If yes, name of career certifi			certificate Il Engineeri

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

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

Directions: Fill out completely and 10/7 return electronically to:

dac@pcc.edu

Signature pages should be intercampus mailed to:

Curriculum Office DC / 4th floor

SECTION # 1 OVERVIEW

Current Title:		ical Engineering Technology wit	th Green	Proposed Title:		No change
Current Credits:		108		Proposed Credit	:s:	No change
Overview and rationale for proposed changes:	Replace the chemistry requirement of CH 104 (Allied Health Chemistry) with CH 101 (Inorganic Chemistry Principles). We have worked with the chemistry department to tailor the curriculum of CH101 to meet the needs of the CMET program and its students.					
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.	Add CH Remove	101 CH 104				
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	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. We have worked with Patty Maazouz, the chair of the chemistry department, to coordinate this change. Jim Schneider and other members of the Chemistry SAC have also been involved in changes made to CH101.					
All degree/certi	ficate outo	SECTION # 2 PREREQUE comes will be reviewed by the com			t outcomes	have changed.
Current Prerequisites	Does t	he revision involve changing ce	rtificate prerequ	uisites?	☐ Yes	⊠ No

Course Number	Course Title or Placement level		10/7
WR 121 or equivalent placement test score.	English Composition		
MTH60 or equivalent placement test score.	Introductory Algebra, first term		
	MET is a limited-entry program. Prospective student with an engineering technology advisor prior to regis CMET courses.		
Proposed Prerequisites			
Course Number			
	No changes		
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do "out there" (in lift family member, community citizen, global citizen, and life-long learn classroom activity "in here"? Good outcomes statements will suggest this "out there" and they will describe what students can DO with we committee will review the outcomes. For guidance on writing good of	ner), as opposed to a st context to indicate hat they know. The	Does the revision involve changing degree outcomes? ☐Yes ☒ No
Identify which college AAS deg degree outcomes.	gree outcome aligns to individual core outcomes. It is poss	sible that all core ou	utcomes may not be address by the AAS
Degree Outcome		Core Outcome	
Students who complete this de	egree should be able to:	•	
			ninking and Problem Solving nal Competence cation
	eratory techniques, engineering equipment and egy to collect, analyze, and interpret data to acquire sout a stated problem.		ninking and Problem Solving nal Competence cation

 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. 	 Critical Thinking and Problem Solving Professional Competence Communication
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.	 Critical Thinking and Problem Solving Professional Competence Community and Environmental Responsibility Cultural Awareness Communication
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.	 Critical Thinking and Problem Solving Professional Competence Community and Environmental Responsibility Cultural Awareness
Revised Outcomes:	ble that all save cutoomes may not be address by the AAC

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
Students who complete this degree should be able to:	
No change	

SECTION # 3 COURSE BY COURSE COMPARISON

List all courses (current AND proposed) in the order that they are distributed in the <u>catalog</u>. 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			COURSE		10/7
NUMBER	COURSE TITLE	CREDITS	NUMBER	COURSE TITLE	CREDITS
CH 104	Allied Health Chemistry (remove)	5	CH 101	Inorganic Chemistry Principles (add)	5
CMET 110	Statics	4	CMET 110	Statics	4
CMET 111	Engineering Tech Orientation	4	CMET 111	Engineering Tech Orientation	4
CMET 112	Technical Algebra/Trigonometry	4	CMET 112	Technical Algebra/Trigonometry	4
ENGR 102	Engineering Graphics	3	ENGR 102	Engineering Graphics	3
CMET 121	Strength of Materials	4	CMET 121	Strength of Materials	4
CMET 122	Technical Engineering Physics	4	CMET 122	Technical Engineering Physics	4
CMET 123	Tech Algebra w/Analyt Geometry	4	CMET 123	Tech Algebra w/Analyt Geometry	4
CMET 131	Applied Calculus	8	CMET 131	Applied Calculus	8
CMET 133	Materials Technology	3	CMET 133	Materials Technology	3
CMET 211	Environmental Quality	4	CMET 211	Environmental Quality	4
CMET 212	Thermodynamics I	4	CMET 212	Thermodynamics I	4
CMET 213	Fluid Mechanics	3	CMET 213	Fluid Mechanics	3
ENGR 262	Manufacturing Processes	4	ENGR 262	Manufacturing Processes	4
CMET 221	Environmental Systems	3	CMET 221	Environmental Systems	3
CMET 222	Thermodynamics II	4	CMET 222	Thermodynamics II	4
CMET 223	Project Management	3	CMET 223	Project Management	3
CMET 226	Dynamics	3	CMET 226	Dynamics	3
CMET 227	Applied Electricity Fundamentals	2	CMET 227	Applied Electricity Fundamentals	2
CMET 235	Machine Design	3	CMET 235	Machine Design	3
CMET 236	Structural Design	3	CMET 236	Structural Design	3
CMET 237	MET Applied CAD	3	CMET 237	MET Applied CAD	3
CMET 241	Structural Steel Drafting	3	CMET 241	Structural Steel Drafting	3
CMET 254	Civil/Mechanical Engr Tech Sem	1	CMET 254	Civil/Mechanical Engr Tech Sem	1
EET 110	Intro to Renewable Energy	3	EET 110	Intro to Renewable Energy	3
GEO 265	Intro to GIS	4	GEO 265	Intro to GIS	4
SOC 228	Intro to Environ Sociology	4	SOC 228	Intro to Environ Sociology	4
COMM 100 or	Intro to Speech Comm. or Public	4	COMM 100 or	Intro to Speech Comm. or Public Speaking	4
COMM 111	Speaking	4	COMM 111	intro to speech comm. or rubile speaking	4
	General Education	7		General Education	7
CMET 280A	Co-op Ed, optional		CMET 280A	Co-op Ed, optional	
	Credit Total	108		Credit	108

		Total		10/7	
SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)					
Is this a statewide degree?	☐ Yes ⊠ No	Has the change been approved by consortium?	y the	☐ Yes ☐ No	
Is this a degree option?	⊠ Yes □ No	If yes, name of the base degree	e:	AAS Mechanical Engineering Technology	
Are there any career pathway(s) or related certificates attached to this degree?	⊠ Yes □ No	If yes, name of career pathway(s) or certificate	related	Two-year certificate in Mechanical Engineering Technology	
Requested Implementation Term (Please refer to Degree/Certificate	timeline implementatio	n guidelines)	For de	gree awarded Spring 2014	

Submitted By:	Jan Chambers
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 Tit	le: No change			
Current Credits:	66	Proposed Credits:	No change			
Overview and rationale for proposed changes:	Replace the chemistry requirement of CH 104 (Allied Health Chemistry) with CH 101 (Inorganic Chemistry Principles). We have worked with the chemistry department to tailor the curriculum of CH101 to meet the needs of the CMET program and its 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	Add CH 101 Remove CH 104					
Are you adding or removing a course which is from another discipline? Consider this question for program prerequisites and required courses	If yes, have you con the SAC or the dean of the financial arimpact of this chadeled details of the converge who was converged.	n? Are they aware nd/or schedule ange? Provide rsation including	We have worked with Patty Maazouz, the chair of the hemistry department, to coordinate this change. Jim Schneider and other members of the Chemistry SAC have also been involved in changes made to CH101.			
SECTION #2 REVISION AREAS						

Prerequisites President Pr							
Current Prerequisites	Does the revision involve changing certificate	prerequisites?	☐ Yes	⊠ 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						
	MET is a limited-entry program. Prospective s an engineering technology advisor prior to reg courses.						
Proposed Prerequisites	Proposed Prerequisites						
Course Number	Course Title or Placement						
	No changes						
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do "out ther member, community citizen, global citizen, and life-long lead classroom activity "in here"? Good outcomes statements we this "out there" and they will describe what students can DC committee will review the outcomes. For guidance on writing		on involve changing te outcomes? s ⊠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 c	ertificate should be able to:						
•							
 Apply fundamental knowledge of mathematical, computational, scientific and engineering concepts to real-world mechanical or manufacturing engineering problems. Critical Think Professional Communicati 			nd Problem Solvin petence	g			

 Utilize the knowledge of visualization skills and computer aided drawing programs, within proper industry acceptable standards and conventions. 	 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.	 Critical Thinking and Problem Solving Professional Competence Community and Environmental Responsibility Cultural Awareness Communication 					
Practice sustainable engineering methodologies.	 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 possil outcomes.	ble that all core outcomes may not be address by the certificate					
Certificate Outcome	Core Outcome					
No change						
140 Gridinge						
Related Instru	ıction					
Does the revision involve changing or adding Related Instruction?	∐Yes ⊠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 <u>catalog</u>. 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 110	Statics	4	
CMET 111	Engineering Tech Orientation	4	CMET 111	Engineering Tech Orientation	4	
CMET 112	Technical Algebra/Trigonometry	4	CMET 112	Technical Algebra/Trigonometry	4	
ENGR 102	Engineering Graphics	3	ENGR 102	Engineering Graphics	3	
CMET 121	Strength of Materials	4	CMET 121	Strength of Materials	4	
CMET 122	Technical Engineering Physics	4	CMET 122	Technical Engineering Physics	4	
CMET 123	Tech Algebra w/Analyt Geometry	4	CMET 123	Tech Algebra w/Analyt Geometry	4	
CH 104	Allied Health Chemistry (remove)	5	CH 101	Inorganic Chemistry Principles (add)	5	
CMET 131	Applied Calculus	8	CMET 131	Applied Calculus	8	
CMET 227	App Electricity Fundamentals	2	CMET 227	App Electricity Fundamentals	2	
WR 121	English Composition	4	WR 121	English Composition	4	
	General Education (Social Science)	4		General Education (Social Science)	4	
CMET 226	Dynamics	3	CMET 226	Dynamics	3	
CMET 133	Materials Technology	3	CMET 133	Materials Technology	3	
CMET 221	Environmental Systems	3	CMET 221	Environmental Systems	3	
CMET 213	Fluid Mechanics	3	CMET 213	Fluid Mechanics	3	
COMM 100 or COMM 111	Intro to Speech Comm. or Public Speaking	4	COMM 100 or COMM 111	Intro to Speech Comm. or Public Speaking	4	
	Credit total	66		Credit total	66	

SECTION #4 (Please contact the Curriculum Office for support in filling out this section)														
	OLOTION	ma (i lease	CONTACT II	le Curri	Culuiii	Office ic	л зирр		g out ti	113 3661	1011)			
Is this a Related C	ertificate?	⊠ Yes	☐ No	Is this a Career Pathway?			vay?	☐ Yes ⊠ No						
If yes, what is the degree?	e base	AAS Mechanical Engineering Will the				oposed change affect the Career Pathway or ertificate? ☐ Yes ⊠ No								
If yes, ho	w?													
Is this a statewide certificate?			If yes, has the change been approved by the consortium?											
☐ Yes ⊠ No			☐ Yes ☐ No											
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidents)			tion guic	delines)			For certif			Spring	2014		T	
Submitted by:	Jan Chamb	Jan Chambers, CMET SAC chair												
Email:	jchamber@pcc.edu													
Phone:	x4681													

TO: Degrees and Certificates Committee

FROM: Lori Gates, Tillamook Bay Community College, Chief Academic Officer

SUBJECT: Certificate and Degree Suspensions at TBCC

DATE: August 26, 2013

Rationale: The Tillamook Bay Community College Curriculum Committee in consultation with faculty determined that it would be in our students' best interest to suspend the following programs:

- Alcohol and Drug Counselor (AAS Degree)
- Computer Applications/Office Systems
 - Administrative Assistant (AAS Degree)
 - Administrative Assistant (One-Year Certificate)
 - Basic Computer Literacy (Career Pathway Certificate) [no students]
 - Office Assistant (Career Pathway Certificate)
 - Spreadsheet (Career Pathway Certificate) [no students]
 - Web Assistant I (Career Pathway Certificate) [no students]
 - Web Assistant II (Career Pathway Certificate) [no students]
 - Word Processing (Career Pathway Certificate) [no students]
 - Virtual Assistant (Less-Than-One-Year Certificate) [no students]
- Computer Information Systems One-Year Certificate
- Early Education and Family Studies
 - Less-Than-One-Year Certificate [no students]
 - AAS Degree
- Employment Skills Training (Less-Than-One-Year Certificate) [no students]
- Facilities Maintenance: HVAC Installer (Career Pathway Certificate) [no students]
- Green Technician (One-Year Certificate) [no students]
- Machine Mnfctng Tech: Manufacturing Technician (Career Pathway Certificate) [no students]
- Marketing
 - One-Year Certificate [no students]
 - AAS Degree

This request is due to a number of factors, including low enrollment patterns in the programs, inability of TBCC to offer the majority of courses in the programs independent of PCC, and (because of low enrollment) the programs are not Title IV-eligible at TBCC. Several programs have had no students for a year or more at TBCC (see above). The suspension is effective Summer Term 2013.

Teach-out Plan: A teach-out plan, required by the Office of Community Colleges and Workforce Development, has been reviewed and approved by the TBCC Curriculum Committee. No new students will be accepted beginning Summer Term 2013. Students currently enrolled must complete required coursework by the end of the 2014 - 2015 academic year.

The plan includes notification:

- In the TBCC Catalog 2013-2014
- To TBCC Student Services and faculty
- To all current majors, faculty (including adjuncts), and advisory committee members in the form of emails
- To all current majors in the form of emails, written letter, and via phone
- Individual advising meetings with all current students seeking to complete a suspended program are being scheduled to outline plans/timeline for completion of the individual's course of study



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:	Christina Friedle	Email: Christina.friedle@pcc.edu	Phone: 971-722-4072		
	Geographic Information	_	Winter 2014		
Title of Degree/Certificate:	Systems	Requested Implementation Term:			
What type of change are you requesting?	☐ Course title change☐ Addition of an elective☐ Degree or certificate title c	Deletion o	mber change f an elective		
Fill in the sections below as applicable. If a section is not applicable, fill in N/A.					
Current Course Title:		Proposed Course Title:			
Current Course Number:		Proposed Course Number:			
	Geo 240 – Cartographic Principles Geo 210 – Natural Environment, Geo 250 – Geography of Africa,	s & Applications,			
Explanation of Other:					