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.



SECTION # 1 OVERVIEW

ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM

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

Directions: Fill out completely and

return electronically to:

SECTION # 1 OVERVIEW						
Current Title:	Building Construction Technology	Proposed Title:	No Change			
Current Credits:	93	Proposed Credits:	96			
Overview and rationale for proposed changes:	es: BC1 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	 Yes Yes X No If yes, have you communivative with the SAC or the dean they aware of the finan and/or schedule impact of change? Provide details conversation including where the second secon	? Are cial of this of the				
All degree/cert		EREQUISITES AND the committee regardles	OUTCOMES ss of whether or not outcomes have changed.			
Current Prerequisites	Does the revision involve change					

		10/7
Course Number	Course Title or Placement level	
Proposed Prerequisites Course Number	Course Title or Placement level	
	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? ⊠Yes Itcomes may not be address by the AAS
degree outcomes. Degree Outcome		Core Outcome
Degree Outcomes: Students w	vho complete this degree should be able to:	
2	hish concrete foundation and flatwork systems by interpreting construction costs, ordering materials, and completing projects to industry standards.	1,3,4,5
•	s residential floor, wall and roof framing systems by interpreting construction costs, ordering materials, and completing projects to industry standards.	1,3,4,5
2	s residential interior and exterior wall and roof coverings, millwork, cabinetry construction documents, estimating costs, ordering materials, and completing ndards.	
Apply competence in to construction surveying.	ool and job site safety, applied mathematics, estimating, building codes, and	1,3,4,5
• Practice the efficient us	e of natural and man-made resources in both commercial and residential build	ing 1,2,3,5

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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: dentify which college AAS degree outcome aligns to individual core outcomes. It is possible that all core outcome degree outcomes. Degree Outcome	es may not be address by the AAS
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
documents, estimating costs, ordering materials, and completing projects to modely standards.	
 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 floor, wall and roof framing systems by interpreting construction	1,3,4,5, 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. 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. 	
 Safely construct various residential floor, wall and roof framing systems by interpreting construction documents, estimating costs, ordering materials, and completing projects to industry standards. 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 materials, and completing 	1,3,4,5

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.

The informa	tion you provide on this form will be reflected i	n the PCC	catalog page	s and GRAD plan. Please ensure it is correct.	1
	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	Residential Building Codes	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
	Ť		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	3

							10)/7
BCT 211	Remodeling		6	BCT 211	Remodeling	odeling		
WR 227	Tech. and Professio	nal Writing 1	4	WR 227	Tech. and P	rofessiona	I Writing 1	4
							U	
	C	redit Total 93					Credit Total 96	
SECT	SECTION #4 (Please contact the Curriculum Office for support in filling out this section if needed.)							
				Has the change been approved by the			Yes X No	
Is this a statewide degree?			consortium?)	
						Building Construct	ction	
Is this	a degree option?	Yes 🛛 No	•	r yee, name er	the base degre	•.	Technology	
Are there a	ny oproor pothway(a)						Loss than One Veer	
	ny career pathway(s)	🖂 Yes 🛛 No	If yes, name of career pathway(s) or related			Certificate, Building		
or related certificates attached Xes No to this degree?			certificate			Construction Technol	loav	
								- 37
	Requested Implementation Term (Please refer to <u>Degree/Certificate timeline</u> implementation guidelines)						Fall 2014	
	(incase refer to <u>Degree/Certificate timeline</u> implementation guidelines)							

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



SECTION #1 OVERVIEW

ASSOCIATE OF APPLIED SCIENCE DEGREE

REVISION REQUEST FORM

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

Directions: Fill out completely and

return electronically to:

Current Title:	BUILDING CONSTRUCTION TECHNOLOGY: DESIGN/BUILD REMODELING	Proposed Title:	NO CHANGE				
Current Credits:	103	Proposed Credits:	103				
Overview and rationale for proposed changes:	The BCT SAC proposes to delete the two Vectorwo Vectorworks provides a limited scope of CAD training courses more associated with the Interior Design Prestudent would benefit more from BCT 127. BCT 202 BCT 202C.	ng and is not commonly rogram. The BCT SAC	used in industry. ID 131and133 are feels the typical BCT degree seeking				
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.	 Delete BCT 105 Vectorworks for Constructors Delete BCT 209 Vectorworks for Constructors 2 Delete ID 131 Introduction to Interiors Delete ID 133 Space Planning and Designs ADD BCT 127 Residential Concrete ADD: CAD Electives 6 credits Identify CAD elective list Delete BCT 202D ADD BCT 202C 						
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.	Amanda Ferrogiar	chairs advised Interior Design Chair o of these changes, and she accepts the reasons for this change.				
All degree/certi	SECTION # 2 PREREQUISITES		not outcomes have changed.				

			10/7
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 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.		n involve changing utcomes? ⊠No
	gree outcome aligns to individual core outcomes. It is possible that all core ou	utcomes may not be	
Degree Outcome Students w	/ho complete this degree should be able to:	Core Outcome	
		1.Communication: 2.Community and E Responsibility : 3. Critical Thinking : 4. Cultural Awarene 5. Professional Com	and Problem Solving ess:
	dents who complete this degree should be able to:	4.2.7	
Evaluate building system	ems, including structural and mechanical, and apply such knowledge to buildin	lg 1, 3, 5	

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

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 correc	ľ	The information you	provide on this fo	orm will be reflected in f	the PCC catalog pa	ges and GRADplan.	Please ensure it is correct.
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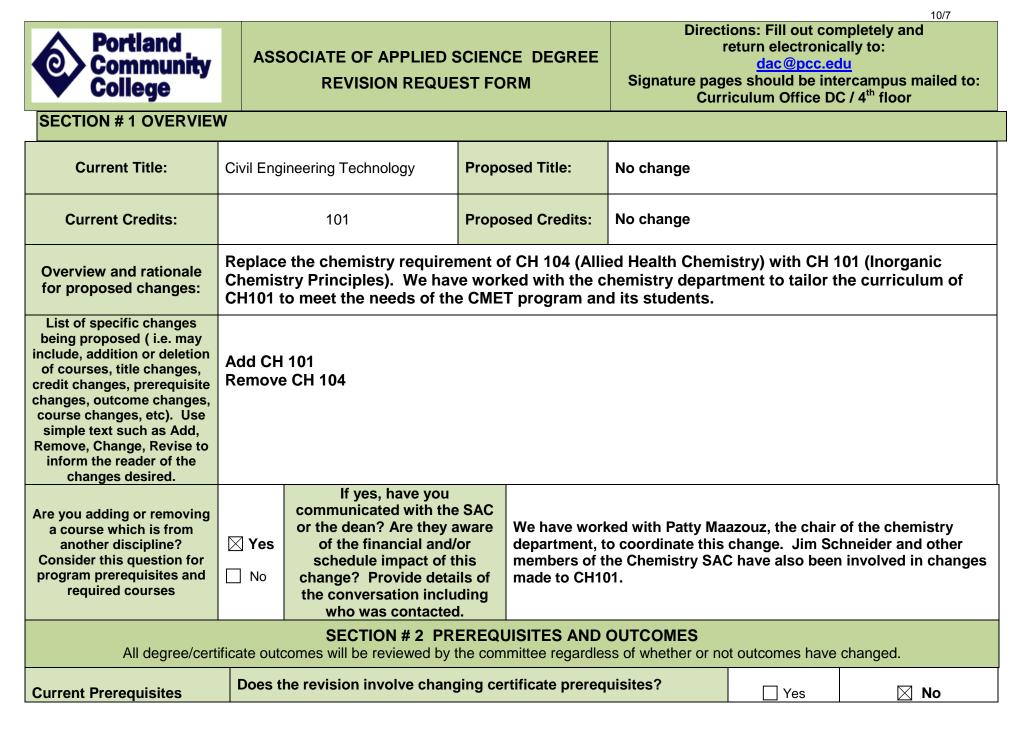
C	URRENT DEGREE INFORMATION		PROPOSED DEGREE INFORMATION			
COURSE NUMBER	ER COURSE TITLE		COURSE NUMBER	COURSE TITLE	CREDI TS	
1st Term			1st Term			
ARCH100	Graphic Comm. for Designers	3	ARCH100	Graphic Comm. for Designers	3	
BCT 102			BCT 102	Residential Printreading	3	
		3	BCT 103	Residential Mat & 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	

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BCT 219	Cabinetmaking 1		6	ID 238 Adv. Kitchen & Bath I		v		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	l	3
BCT 211	Remodeling		6	BCT 211	Remodeling			6
BCT 244	Kitchen & Bath Cab	inet Installation	2	BCT 244	Kitchen & Bath Ca	binet Insta	llation	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 Interme	ediate Auto	DCAD		
					orks for Contractors			
				BCT 209 Vectorworks for Contractors 2				
					ARCH 237Introduction to Revit Architecture		it Architecture	
				ARCH 247I		nediate Revit Architecture		
				ARCH 127Introdu		ction to Google Sketch-up		
	C	redit Total	103			Credit Total		103
SECTION # 4 (Please contact the Curriculum Office for support in filling out this section if needed.)							led.)	
Is this a statewide degree?				Has the change been approved by the consortium?			🗌 Yes X No	
Is this a degree option? X Yes 🗌 No			If yes, name of the base degree:		e:	Building Construction Technology		
or related control to the second s	y career pathway(s) ertificates attached nis degree?	🗌 Yes 🛛 X No		If yes, name of career pathway(s) or related certificate				
Requested Implementation Term (Please refer to <u>Degree/Certificate timeline</u> implementation				guidelines)			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 <u>dac@pcc.edu</u>.
- 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.



Course Title or Placement level		
Introduction to Expository Writing		
Introductory Algebra, first term		
No changes		
family member, community citizen, global citizen, and life-long learner), a classroom activity "in here"? Good outcomes statements will suggest cor this "out there" and they will describe what students can DO with what the	as opposed to a ntext to indicate ney know. The	Does the revision involve changing degree outcomes?
		☐Yes ⊠ No
ree outcome aligns to individual core outcomes. It is possible	that all core ou	utcomes may not be address by the AAS
	Core Outcon	ne
 Students who complete this degree should be able to: Apply fundamental knowledge of mathematical, computational, scientific and engineering concepts to identify, formulate and design successful resolutions to real-world civil engineering problems. Utilize appropriate laboratory techniques, engineering equipment and computational technology to collect, analyze, and interpret data to acquire scientific knowledge about a stated problem. Utilize the knowledge of visualization skills, computer aided drawing programs and the ability to create and interpret engineering drawings, to design civil engineering 		I Thinking and Problem Solving ssional Competence nunication I Thinking and Problem Solving ssional Competence nunication I Thinking and Problem Solving ssional Competence
	CET is a limited-entry program. Prospective students m with an engineering technology advisor prior to registerin CMET courses. No changes Describe what we intend students to be able to do "out there" (in life rold family member, community citizen, global citizen, and life-long learner), a classroom activity "in here"? Good outcomes statements will suggest con this "out there" and they will describe what students can DO with what th committee will review the outcomes. For guidance on writing good outcomes pree outcome aligns to individual core outcomes. It is possible gree should be able to: wledge of mathematical, computational, scientific and o identify, formulate and design successful resolutions to ring problems. Tatory techniques, engineering equipment and computational halyze, and interpret data to acquire scientific knowledge f visualization skills, computer aided drawing programs and	CET is a limited-entry program. Prospective students must meet with an engineering technology advisor prior to registering for any CMET courses. No changes 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. Tree outcome aligns to individual core outcomes. It is possible that all core out gree should be able to: wedge of mathematical, computational, scientific and o identify, formulate and design successful resolutions to ing problems. ratory techniques, engineering equipment and computational nalyze, and interpret data to acquire scientific knowledge f visualization skills, computer aided drawing programs and interpret engineering drawings, to design civil engineering Profest

		10/7	
 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. 	Professional Co	d Environmental Responsibility ness	
Practice sustainable engineering methodologies.	 Critical Thinking and Problem Solving Professional Competence Community and Environmental Respo Cultural Awareness 		
Revised Outcomes: Identify which college AAS degree outcome aligns to individual core outcomes. It is possible degree outcomes.	that all core outcomes r	may not be address by the AAS	
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 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.

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		4

CMET 112	Technical Algebra/Trigonometry	4	CMET 112	Technical Algebra/Trigonometry	4
ENGR 102	Engineering Graphics	3	ENGR 102	Engineering Graphics	3
СН 104	Allied Health Chemistry (remove)	5	CH 101	Inorganic Chemistry Principles (a	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	
ENGR 226	Plane Surveying	4	ENGR 226	Plane Surveying	4
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	Intro to Speech Comm. or Public		COMM 100 or		
COMM 111	Speaking	4	COMM 111	Intro to Speech Comm. or Public Spe	eaking 4
CMET 228	Construction Materials	3	CMET 228	Construction Materials	3
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 214	Surveying II	3	CMET 214	Surveying II	3
CMET 233	CET Applied CAD	3	CMET 233	CET Applied CAD	3
CMET 222	Thermodynamics II	4	CMET 222	Thermodynamics II	4
CMET 223	Project Management	3	CMET 223	Project Management	3
CMET 236	Structural Design	3	CMET 236	Structural Design	3
	Credit Total	101		Credit Tota	l 101

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Is this a degree option?	🗌 Yes 🛛 No	If yes, name of the base degre	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	For de	gree awarded Spring 2014		

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

				10/7		
Portland Community College	ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM	: r	ions: Fill out co return electroni <u>dac@pcc.c</u> es should be ir riculum Office I	ically to:		
SECTION # 1 OVERVIEW						
Current Title:	Civil Engineering Technology with Green Technology and Sustainability AASO	Proposed Title	. N	lo change		
Current Credits:	108	Proposed Cred	lits: N	lo change		
overview and rationale	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	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	or the dean? Are they aware of the financial chemistry department, to coordinate this change.					
All degree/certi	SECTION # 2 PREREQUISITES AND icate outcomes will be reviewed by the committee regard		ot outcomes hav	e changed.		
	Does the revision involve changing degree prerequisites? Yes					

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			
	CET is a limited-entry program. Prospective students with an engineering technology advisor prior to register CMET courses.			
Proposed Prerequisites				
Course Number				
	No changes			
Current Outcomes: Required whether or not	family member, community citizen, global citizen, and life-long learner)	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		
outcomes are being changed.	committee will review the outcomes. For guidance on writing good out		🗌 Yes 🛛 No	
Identify which college AAS de 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 Outcom	e	
Students who complete this d	egree should be able to:			
11.2	owledge of mathematical, computational, scientific and to identify, formulate and design successful resolutions to ering problems.	Profess	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.	 Profess 	Thinking and Problem Solving sional Competence	

No change	
Degree Outcome	Core Outcome
Revised Outcomes: Identify which college AAS degree outcome aligns to individual core outcomes. It is possible degree outcomes.	le that all core outcomes may not be address by the AAS
 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
• 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
• 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 Solving Professional Competence Communication

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			10/7 PROPOSED DEGREE INFORMATION			
COURSE NUMBER	COURSE TITLE	CREDITS	COURSE NUMBER	COURSE TITLE	CREDITS	
СН 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	e contact the Curric	ulum Office for support in fillin	ig out th	is 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:		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 related 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:	jchamber@pcc.edu	

Portland Community College		CERTIFICATE REVISION REQUEST FORM		Directions: Fill out completely and return electronically to: <u>dac@pcc.edu</u> Signature pages should be intercampus mailed to Curriculum Office DC 4 th floor		
SECTION #1 OVERVIEW	N					
Current Title:		Engineering Technology Year Certificate	Proposed	l Title:	No change	
Current Credits:			Proposed Credits:	ł	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 curriculur CH101 to meet the needs of the CMET program and its students.					
	Cher	nistry Principles). We hav	ve worked	with the	e chemistry department to tailor the curriculum c	
List of specific changes being proposed which may nclude, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes etc. Use consistent words – Add, Remove, Increase, Decrease, Change	Cher CH10 Add	nistry Principles). We hav	ve worked	with the	e chemistry department to tailor the curriculum c	

SECTION #2 REVISION AREAS

	Droroguioitoo		10/7
	Prerequisites	1	
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		
Proposed Prerequisites			
Course Number	Course Title or Placement level		
	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 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.		n involve changing e outcomes? ⊠No
Identify which certificate outco outcomes.	bme aligns to individual core outcomes. It is possible that all core outcomes ma	l ly not be address b	y the certificate
Certificate Outcome	Core Outcome		
Students who complete this c	ertificate should be able to:		
	ental knowledge of mathematical, computational, engineering concepts to real-world civil • Critical Thinking and • Professional Comp	nd Problem Solving petence	l

Certificate Outcome No change		Core Outcome
Certificate Outcome		Core Outcome
		Core Outcome
		Care Outcome
Revised Outcomes: Identify which certificate outcome aligns to individual core outcomes. It is possible outcomes.	e that all core outcomes may not be	address by the certificate
	Cultural Awareness	
Practice sustainable engineering methodologies.	 Critical Thinking and Probl Professional Competence Community and Environme 	-
 Apply effective and efficient communication skills, teamwork that fosters inclusion, time management skills, ethical engineering practices and professional responsibility. 	 Critical Thinking and Probl Professional Competence Community and Environme Cultural Awareness Communication 	-
	 Critical Thinking and Probl Professional Competence Communication 	-
 engineering problems. Utilize the knowledge of visualization skills and computer aided drawing programs, within proper industry acceptable standards and conventions. 	Communication	

Does the revision involve changing or adding Related Instruction?	⊡Yes ⊠No
If yes, a template for Related Instruction will need t	o be filled out. The template can be found at:
(http://www.pcc.edu/recources/aca	demic/eac/degree/forms.html
Additional Commer	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.

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

					10/7
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
СН 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
ENGR 226	Plane Surveying	4	ENGR 226	Plane Surveying	4
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	67		Credit total	67

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

	10/7
Requested Implementation Term	
(Please refer to Degree/Certificate timeline implementation guidelines)	For certificate awarded Spring 2014

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

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							10/7
Portland Community College	ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM				r Signature page	ons: Fill out con eturn electronic <u>dac@pcc.ed</u> es should be int iculum Office D	ally to: <u>du</u> ercampus mailed to:
SECTION # 1 OVERVIEV	V						
Current Title:		chanical Engineering chnology	Propo	sed Title:	No change		
Current Credits:		101	Propo	sed 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 (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	 ✓ 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. 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	ficat	SECTION # 2 PRE e outcomes will be reviewed by th	REQU			t outcomes have	changed.
Current Prerequisites	D	oes the revision involve chang	ing cer	tificate prereq	uisites?	☐ Yes	🖂 No

			10/7	•
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 students with an engineering technology advisor prior to registe CMET courses.			
Proposed Prerequisites				
Course Number				Co
	No changes			
				4
				4
Current Outcomes: Required whether or not outcomes are being	Describe what we intend students to be able to do "out there" (in life r family member, community citizen, global citizen, and life-long learner) classroom activity "in here"? Good outcomes statements will suggest of this "out there" and they will describe what students can DO with what	r), as opposed to a context to indicate	Does the revision involve changing degree outcomes?	
changed.	committee will review the outcomes. For guidance on writing good out		🗌 Yes 🛛 No	
Identify which college AAS deg degree outcomes.	gree outcome aligns to individual core outcomes. It is possib	ble that all core ou	utcomes may not be address by the AAS	
Degree Outcome		Core Outcome		1
Students who complete this de	egree should be able to:			4
engineering concepts to	owledge of mathematical, computational, scientific and to identify, formulate and design successful resolutions to or manufacturing engineering problems.		hinking and Problem Solving onal Competence iication	

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 possidegree outcomes.	ible that all core outcomes		
Practice sustainable engineering methodologies.	 Professional Cor 	npetence Environmental Responsibility	
 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 Critical Thinking and Problem Solving 		
 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. 	 Professional Competence Communication 		
 Utilize appropriate laboratory techniques, engineering equipment and computational technology to collect, analyze, and interpret data to acquire scientific knowledge about a stated problem. 	Critical ThinkingProfessional CorCommunication	and Problem Solving npetence	

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.

CURRENT DEGREE INFORMATION			PROPOSED DEGREE 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	
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	

						10/7
CMET 237	MET Applied CAD	3	CMET 237	MET Applied CAD		3
CMET 222	Thermodynamics II	4	CMET 222	Thermodynamics II		4
CMET 223	Project Management	3	CMET 223	Project Management		3
CMET 236	Structural Design	3	CMET 236	Structural Design		3
	Credit Total	101			Credit	101
				Total		
		_				
SECTI	ON # 4 (Please contact the	Curric	ulum Office for s	support in filling out th	is section if	f needed.)
	Has the change been approved by the					

Is this a statewide degree?	🗌 Yes 🛛 No	Has the change been approved by the 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 certificate	related	Two-year certificate in Mechanical Engineering Technology
Requested Implementation Term (Please refer to <u>Degree/Certificate</u>	timeline implementation	n guidelines)	For de	gree awarded Spring 2014

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

Portland Community College	ASSOCIATE OF APPLIED SCIENCE DEGREE REVISION REQUEST FORM Signature pages					completely and ^{10/7} onically to: c.edu e intercampus mailed to: e DC / 4 th floor	
SECTION # 1 OVERVIEW	V						
Current Title:	Mechanical Engineering Technology with Green Technology and Sustainability option			Proposed Title:	٦	No change	
Current Credits:	108			Proposed Credi	ts:	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 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/certi	ficate out	SECTION # 2 PREREQU			ot outcomes h	ave changed.	
Current Prerequisites	Does	the revision involve changing ce	tificate prerequ	uisites?	Yes	🖂 No	

			10/7
Course Number WR 121 or equivalent	Course Title or Placement level		
placement test score.	English Composition		
MTH60 or equivalent	latraductory Algobra first targe		
placement test score.	Introductory Algebra, first term		
	MET is a limited-entry program. Prospective studen with an engineering technology advisor prior to regis CMET courses.		
Proposed Prerequisites			
Course Number			
	No changes		
	V		
		· · ·	
Current Outcomes: Required whether or not outcomes are being changed.	Describe what we intend students to be able to do "out there" (in lif family member, community citizen, global citizen, and life-long learn classroom activity "in here"? Good outcomes statements will sugge this "out there" and they will describe what students can DO with w committee will review the outcomes. For guidance on writing good of	her), as opposed to a st context to indicate hat they know. The	Does the revision involve changing degree outcomes?
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:		
 Apply fundamental kno engineering concepts t real-world mechanical 	ninking and Problem Solving nal Competence cation		
computational technology to collect, analyze, and interpret data to acquire • Prof			ninking and Problem Solving nal Competence cation

Identify which college AAS degree outcome aligns to individual core outcomes. It is poss degree outcomes. Degree Outcome Students who complete this degree should be able to:		Core Outcome			
degree outcomes.		Core Outcome			
Revised Outcomes:	ible that all core outcomes	s may not be address by the AA			
context using the latest in green technology and GIS software.	Community and E Cultural Awarene	nvironmental Responsibility ss			
 Practice sustainable engineering methodologies with a holistic understanding of the impact of engineering solutions in a global, societal, and environmental 	 Professional Corr 				
 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. 	I time management skills, ethical engineering practices and ibility in order to plan, design, fabricate, construct and				
and manufacturing processes within proper industry acceptable standards and conventions.	• Communication				

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.

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 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	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			Two-year certificate in Mechanical Engineering Technology	
Requested Implementation Term (Please refer to Degree/Certificate timeline implementation guidelines) For degree awarded Spring				gree awarded Spring 2014	

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

Portland Community College	,	CERTIFICATE REVISION REQUEST FORM		Directions: Fill out completely and return electronically to: <u>dac@pcc.edu</u> Signature pages should be intercampus mailed to: Curriculum Office DC 4 th floor		
SECTION #1 OVERVIEW	N					
Current Title: Mec		chanical Engineering hnology Two-Year Proposed tificate		Title:	No change	
Current Credits:	rrent Credits: 66		Proposed Credits:		No change	
	w and rationale for posed changes: Replace the chemistry requirement of CH 104 (Allied Health Chemistry Chemistry Principles). We have worked with the chemistry depar CH101 to meet the needs of the CMET program and its students.					
proposed changes:	Cher	nistry Principles). We hav	ve worked	with the	e chemistry department to tailor the curriculum c	
List of specific changes being proposed which may nclude, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes etc. Use consistent words – Add, Remove, Increase, Decrease, Change	Cher CH10	nistry Principles). We hav	ve worked	with the	e chemistry department to tailor the curriculum o	

SECTION #2 REVISION AREAS

	Proroquisitos			10/7		
Prerequisites						
Current Prerequisites	Does the revision involve changing certificate prerequisite	s?	C 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 students mu an engineering technology advisor prior to registering for courses.					
Proposed Prerequisites						
Course Number	Course Title or Placement level					
	No changes					
Current Outcomes: 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				on involve changing e outcomes?		
changed.	committee will review the outcomes. For guidance on writing good outcom			No		
Identify which certificate outco outcomes.	ome aligns to individual core outcomes. It is possible that all core	e outcomes ma	y not be address b	y the certificate		
Certificate Outcome	Core Outco	ome				
Students who complete this c	ertificate should be able to:					
scientific and e	engineering concepts to real-world mechanical or • Pro	ical Thinking ar fessional Comp mmunication	nd Problem Solving petence)		

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 possi outcomes.	ble that all core outcomes may not be address by the certificate					
Certificate Outcome	Core Outcome					
No change						
U						
Related Instruction						
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.

Current Certificate Information			Proposed Certificate Information			
Course Number	ber Course Title Cr		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)							
Is this a Related Certificate?	🖂 Yes 🗌 No	la thia a Cara	er Dethucu?	🗌 Yes 🖂 No			
IS IT A Related Certificate?		Is this a Care	el Falliway?				
If yes, what is the base degree?	AAS Mechanical Engi Technology	Engineering Will the proposed change affect the Career Pathy Related Certificate?					
If yes, how?							
Is this a statewide certificate	2	If yes, has the change been approved by the consortium?					
□ Yes ⊠ No							
Requester (Please refer to Degree/Certific	d Implementation Term cate timeline implementat	tion guidelines)	ines) For certificate awarded Spring 2014				

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

TO: Degrees and Certificates CommitteeFROM: 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:

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- 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

Portland Community College		CONSENT AGENDA FORM This form maybe used instead of coming to the Degree and Certificate Meeting. Directions: Fill out completely and return electronically to: <u>dac@pcc.edu</u>		 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
Geog Syste		graphic Information ems Requeste Implemer		Winter 2014 d tation Term:	
What type of change are you requesting?	type of change are youCourse title changeAddition of an elective		hange		nber change f an elective
Fill in the s	sections	s below as applicable. If a	a section	is not applicable	, fill in N/A.
Current Course Title:				d Course Title:	
Current Course Number:			Proposed Number:		
	Geo 210	o 240 – Cartographic Principles & Applications, o 210 – Natural Environment, o 250 – Geography of Africa,			
Explanation of Other:					