Degrees and Certificates Agenda
October 14, 2009
Conference Room B

Old Business:

2:00 Approval of June minutes

New Business

2:15 Nursing: Revision to Nursing Degree: Alisa Schneider-Conversion to the Oregon Consortium of Nursing Education (OCNE) to provide students with a competency based statewide curriculum and access to a streamlined articulation to a Bachelors Degree in Nursing at Oregon Health Sciences University (OHSU).

2:30 Business Administration: Revision to Accounting Degree: Cynthia Killingsworth: Course title change to BA 240 and decrease the number of electives.

2:45 Civil Engineering Technology: New Civil Engineering Technology: Green Technology and Sustainability Degree Option: Greg Gerstner: To provide the student with Green Technology and Sustainability methodologies and philosophies and to improve the marketability of the student.

Mechanical Engineering Technology: New Mechanical Engineering Technology: Green Technology and Sustainability Degree Option: Greg Gerstner: To provide the student with Green Technology and Sustainability methodologies and philosophies and to improve the marketability of the student.

3:00 Automotive Service Technology: New Automotive Service Technology: Automotive Service Education Program Degree Option: Scott Morgan: No record of degree on file with the State.

3:15 Computer Information Systems: New Health Informatics Degree: Mike Talbert: Health Informatics is a relatively new field in health care that has an enormous growth potential. This is a statewide degree that needs to be approved at each community college that is going to offer the degree.

3:30 Interior Design: New Design for Aging in Place Certificate: Amanda Ferroggiaro: Current trends in Interior Design and Remodeling have sparked a remarkable interest in the ability of older adults to plan to stay in their homes longer. They need designers educated in this sector. To create jobs in the Aging in Place Remodeling sector for Portland Community College students.

3:45 Geographic Information Systems Certificate: New: Matt Constantino: The certificate pulls not only from Geography, but also from several other disciplines. The geography SAC chair has connected with each of the impacted SACs and presented the certificate.

4:00 Architectural Design and Drafting AAS: Revision: Elizabeth Metcalf: The revision narrows the focus of this degree to Computer Aided Design. This base degree is complementary to the new AASO which will focus on Architectural Design and Drafting Residential. It aligns with the newly created transfer option to OSU.

Architectural Design and Drafting Residential AASO: New: Elizabeth Metcalf: The new degree is designed to meet the needs of students who want a residential focus. And it was created to align with the OSU Housing Studies degree. This is a degree option. 74% of the courses in the base AAS are included in the new AASO.

Discussion Items: What is the timeline for asking the faculty to make changes to their increased related instruction? The following certificates went from one year to two years:

1. ARCH: Kitchen and Bath
2. AMT: Powerplant
3. CMET: Two Year
4. EMT: Two Year
5. MET: Two Year

Consent Agenda:

Gerontology: Adding GRN 170 Resident Assistant I Training and GRN 171 Resident Assistant II Training to their AAS Degree and Career Pathway Certificate

Landscape Technology: Adding LAT 278 Oregon LCP Exam Preparation to their AAS Degree, Landscape Management Certificate, Landscape Design Certificate and Landscape Construction Certificate. The committee is also asked to approve a formal electives list for each of the previously named Landscape degree and certificates.

Landscape Technology Department Electives Lists							
LAT AAS DEGREE		**LAT CONSTRUCTION CERT**		**LAT MANAGEMENT CERT**		**LAT DESIGN CERT**	
LAT	214	LAT	109	LAT	214	LAT	104
LAT	219	LAT	214	LAT	217	LAT	225
LAT	225	LAT	219	LAT	219	LAT	235
LAT	232	LAT	225	LAT	225	LAT	240
LAT	235	LAT	235	LAT	232	LAT	241
LAT	240	LAT	240	LAT	262	LAT	250
LAT	243	LAT	250	LAT	271	LAT	262
LAT	250	LAT	262	LAT	272	LAT	272
LAT	262	LAT	271	LAT	275	LAT	275
LAT	271	LAT	272	LAT	278	LAT	278
LAT	272	LAT	275	LAT	280B	LAT	280A
LAT	275	LAT	278	LAT	280C	LAT	280B
LAT	278	LAT	280B	HOR	291		
LAT	280B	LAT	280C				
LAT	280C	HOR	255				
HOR	291	HOR	272				
		HOR	291				

Portland Community College	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 RC 5/115

SECTION # 1 OVERVIEW

Current Title:	Nursing	**Proposed Title:**	Nursing
Current Credits:	107	**Proposed Credits:**	90
Overview and rationale for proposed changes:	Conversion to the Oregon Consortium of Nursing Education (OCNE) to provide students with a competency based state wide curriculm and access to a streamlined articulation to a Bachelors Degree in Nursing at Oregon Health Sciences University (OHSU).		
List of specific changes that are being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc).	**Remove all core courses from the old program and replace with new courses.**		

SECTION # 2 REVISION AREAS

Does the revision impact PCC Core Outcomes which the degree supports?	☐ **Yes** **X No**

SECTION # 3 PREREQUISITES AND OUTCOMES

Current Prerequisites	**Does the revision involve changing degree prerequisites?**	**X Yes**	**☐ No**
Course Number	**Course Title or Placement level**		
BI 231	Human Anatomy & Physiology I	4	
BI 232	Human Anatomy & Physiology II	4	
BI 234	Microbiology	5	
WR 121	English Composition	4	
MTH 65	Introductory Algebra or higher	4	
		21	

Proposed Prerequisites

Course Number	**Course Title or Placement level**	
BI 231	Human Anatomy & Physiology I	4
BI 232	Human Anatomy & Physiology II	4
BI 233	Human Anatomy & Physiology III	4
WR 121	English Composition	4
WR 122	English Composition	4
PSY 215	Human Development	4
MTH 95	Intermediate Algebra or higher	4
FN 225	Nutrition	4
Preparatory credits	Social Science/Humanities/Natural science	5
	General Education	8
		45

Current Outcomes: Required whether or not outcomes are being changed.	Does the revision involve changing degree outcomes?	X Yes ☐ No

The graduate of Portland Community College Nursing Program will:

- Use an understanding of the bio-psychosocial sciences in providing or guiding nursing care.
- Apply critical thinking skills and the nursing process to provide safe and effective nursing care.
- Accurately and effectively communicate information in a professional, caring, and timely manner.
- Organized and manage nursing care to groups of clients in diverse settings.
- Provide health promotion, teaching, and counseling; provide appropriate referrals to community resources.
- Integrate knowledge of legal, ethical, and caring principles in the practice of nursing.

Proposed Outcomes:

The 10 competencies defined by faculty in OCNE partner programs are based on a view of nursing as a theory-guided, evidenced-based discipline. The competencies recognize that effective nursing requires a special kind of person with particular values, attitudes, habits and skills. Accordingly there are two categories of competencies, professional competencies, and nursing care competencies. Professional competencies--define the values, attitudes and practices that competent nurses embody and may share with members of other professions;

Nursing care competencies--define relationship capabilities that nurses need to work with clients and colleagues, the knowledge and skills of practicing the discipline and competencies that encompass understanding of the broader health care system. In all cases, the client is defined as the recipient of care, is considered active participant in care, and includes the individual, family or community. Nursing care competencies recognize that a competent nurse provides safe care across the lifespan directed toward the goals of helping client (individuals, families or communities) promote health, recover from acute illness and/or manage a chronic illness and support a peaceful and comfortable death.

SECTION # 3 COURSE BY COURSE COMPARISON

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	**COURSE TITLE**	**CREDITS**	**COURSE NUMBER**	**COURSE TITLE**	**CREDITS**
NUR 104	Introduction to Nursing	2	NRS 110	Foundations of Nursing -Health Promotion	9
FN 270	Normal and Applied Clinical Nutrition	4	NRS 112	Foundations of Nursing in Acute Care I	6
NUR 106	Foundations for Nursing and Client Self Care	9	NRS 221	Nursing in Chronic Illness II and End-of-Life	9
PSY 215	Human Development*	4	NRS 222	Foundations of Nursing in Acute Care II and End-of-Life	9
BI 233	Human Anatomy & Physiology III*	4	NRS 224	Integrative Practicum I	9
NUR 107	Nursing Care for the Perioperative Client/Psychological Adaptation	9	NRS 230	Clinical Pharmacology I	3
PSY 214	Introduction to Personality*	4	NRS 231	Clinical Pharmacology II	3
BI 241	Pathophysiology	3	NRS 232	Pathophysiological Processes I	3
NUR 108	Nursing Care for Clients with Chronic Healthcare Needs	9	NRS 233	Pathophysiological Processes II	3
PHL 205	Contemporary Moral Problems: Biomedical Ethics*	4	BI 234	Microbiology	5
NUR 206	Nursing Care for Clients with Acute Healthcare Needs/Nursing Care of Families	9		General Education	8
NUR 207	Nursing Care for Clients with Complex and Unstable Health Care Needs	9		Social Science/Humanities/Natural Science	17
NUR 208	Nursing Care of Clients with Emergent Health Care Needs	8			
	General Education	8			
	Credit Total	**86**		**Credit Total**	**90**

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

Is this a statewide degree?	**X Yes ☐ No**	**Has the change been approved by the consortium?**	**X Yes ☐ No**	**Are there any career pathway(s) or related certificates attached to this degree?**	**☐ Yes X No**
Is this a degree option?	**☐ Yes X No**	**If yes, name of the base degree:**			
If yes, name of career pathway(s) or related certificate		**Requested implementation date:**		**Fall 2010**	
Submitted By:	**Alisa Schneider**				
Email:	**Alisa.schneider@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, Rock Creek Campus, Building 5, Room 114 via campus mail.

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SECTION # 1 OVERVIEW

Current Title:	Accounting	**Proposed Title:**	Accounting
Current Credits:	92	**Proposed Credits:**	92
Overview and rationale for proposed changes:	**Course title change and credit change to BA 240 and decrease the number of electives.**		
List of specific changes that are being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc).	**1. Change title of BA 240 from Governmental Accounting to Nonprofit Financial Management and Accounting.** **2. Increase credits of BA 240 from 3 credits to 4 credits.** **3. Decrease the number of electives from 12 to 11 credits.**		

SECTION # 2 REVISION AREAS

Does the revision impact PCC Core Outcomes which the degree supports?	☐ **Yes** **X No**

SECTION # 3 PREREQUISITES AND OUTCOMES			
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.	**Does the revision involve changing degree outcomes?**	☐**Yes** ☒**No**	

Students who successfully complete the AAS in Accounting degree will develop skills and knowledge appropriate for entry-level bookkeeping and accounting positions. Upon successful completion of this AAS-Accounting degree, students will be able to:

- Analyze, record, and report accounting information in conformity with Generally Accepted Accounting Principles.
- Use applicable technology available in accounting practice.
- Communicate effectively with business professionals.
- Demonstrate an understanding of the legal, ethical and economic environment of business organizations.
- Use accounting information for decision making.

Proposed Outcomes:
1. **2.** **3.**

SECTION # 3 COURSE BY COURSE COMPARISON

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	**COURSE TITLE**	**CREDITS**	**COURSE NUMBER**	**COURSE TITLE**	**CREDITS**
	General Education	4		General Education	4
BA 111	Introduction to Accounting	3	BA 111	Introduction to Accounting	3
OS131	10-key on Calculators	1	OS131	10-key on Calculators	1
WR 121	English Composition	4	WR 121	English Composition	4
CAS 170	Beginning Excel	3	CAS 170	Beginning Excel	3
	Or			Or	
CAS 171	Intermediate Excel		CAS 171	Intermediate Excel	
BA 211	Principles of Accounting I	3	BA 211	Principles of Accounting I	3
BA 101	Introduction to Business	4	BA 101	Introduction to Business	4
CAS 216	Beginning Word	3	CAS 216	Beginning Word	3
	Or			Or	
CAS 217	Intermediate Word		CAS 217	Intermediate Word	
BA 131	Computers in Business	4	BA 131	Computers in Business	4
	General Education	4		General Education	4
BA 206	Management Fundamentals	3	BA 206	Management Fundamentals	3
BA 212	Principles of Accounting II	3	BA 212	Principles of Accounting II	3
EC 201	Principles of Economics: Microeconomics*	4	EC 201	Principles of Economics: Microeconomics*	4
BA 205	Solving Communication Problems	4	BA 205	Solving Communication Problems	4
	with Technology			with Technology	
BA 226	Business Law I	4	BA 226	Business Law I	4
BA 213	Principles of Accounting III	3	BA 213	Principles of Accounting III	3

BA 228	Computer Accounting Applications	3	BA 228	Computer Accounting Applications	3
EC 202	Principles of Economics: Macroeconomics*	4	EC 202	Principles of Economics: Macroeconomics*	4
BA 177	Payroll Accounting	3	BA 177	Payroll Accounting	3
BA 256	Income Tax	3	BA 256	Income Tax	3
BA 285	Human Relations-Organizations	3	BA 285	Human Relations-Organizations	3
	Business Electives	**6**		**Business Electives (Decrease)**	**5**
BA 222	Financial Management	3	BA 222	Financial Management	3
BA 240	**Governmental Accounting**	**3**	**BA 240**	**Governmental Accounting to Nonprofit Financial Management and Accounting**	**4**
	Or			Or	
BA 242	Introduction to Investments		BA 242	Introduction to Investments	
PHL 202	Introduction to Philosophy:		PHL 202	Introduction to Philosophy:	
	Elementary Ethics*	4		Elementary Ethics*	4
	Or			Or	
PHL 209	Business Ethics*		PHL 209	Business Ethics*	
	Business Electives	6		Business Electives	6
	*Could be used as General Education			*Could be used as General Education	
	Credit Total	**92**		**Credit Total**	**92**

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

Is this a statewide degree?	☐ **Yes** **X No**	**Has the change been approved by the consortium?**	☐ **Yes** ☐ **No**	**Are there any career pathway(s) or related certificates attached to this degree?**	**X Yes** ☐ **No**
Is this a degree option?	☐ **Yes** **X No**	**If yes, name of the base degree:**			

If yes, name of career pathway(s) or related certificate	**Entry-Level Accounting Clerk**	**Does this change affect the career pathway(s) or related certificate?**	☐ **Yes** **X No**	**Requested implementation date:**	**Spring 2010**
Submitted By:	**Cynthia Killingsworth**				
Email:	**Cynthia.Killingsworth@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.
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Portland Community College	NEW ASSOCIATE OF APPLIED SCIENCE DEGREE REEST FORM	Directions: Fill out completely and return electronically to: dac@pcc.edu Signature pages should be intercampus mailed to: Curriculum Office RC 5/115

SECTION # 1 OVERVIEW

Proposed Title:	Civil Engineering Technology AAS- Green Technology and Sustainability Option	**Proposed Credits:**	**108**
Reason for new degree:	To provide the Civil Engineering Technology student with Green Technology and Sustainability methodologies to better prepare the student to practice sustainable engineering.		

Impact on other areas of instruction: Have you talked to other area SACs? If yes, explain:	☒ **Yes** ☐ **No**	**Explain:** CMET has talked to the other SACs offering the 3 classes additional classes about the possibility of using their class in our option. These SACs have been agreeable and enthusiastic to the Green Technology and Sustainability option within CMET.	**Has degree been validated by the Advisory Committee?**	☒ **Yes** ☐ **No**

SECTION # 2 PREREQUISITES AND OUTCOMES

PROPOSED PREREQUISITES

Course Number	Course Title or Placement level	Credits
	Placement into WR 115	
	Completion of MTH 60 or placement into MTH 65 or higher	
SOC 228	Completion of SOC 228 Introduction to Environmental Sociology	4

PROPOSED OUTCOMES
• Be prepared for employment in the civil, mechanical or manufacturing engineering field. • Solve civil and/or mechanical engineering problems by applying fundamental knowledge of mathematical, computational, scientific and engineering concepts. • Acquire, through experience, the ability to identify, formulate, and design solutions to real-world engineering problems. • Conduct experiments using appropriate laboratory equipment to collect, analyze, and interpret data to acquire scientific knowledge about a stated problem. • Use appropriate techniques, skills and modern engineering equipment and computational tools towards the achievement of set goals and objectives. • Apply project management, time management and technical skills in the planning, design, fabrication, construction, and operation of engineering systems or components. • Create and interpret engineering drawings using modern computerized methods. • Communicate effectively and efficiently both at the individual level and within team settings. • To practice sustainable engineering with a holistic understanding of the impact of engineering solutions in a global, societal, and environmental context. • Apply ethical practice and professional responsibility within the field of civil engineering. • Be prepared to plane and route survey and apply civil engineering CAD software in the appropriate civil engineering setting. • Engage in life-long learning. • Achieve success in continuing their education towards completion of a four-year degree in engineering technology or engineering. • To implement the latest in Green Technology, including wind, PV and solar thermal and geothermal when designing energy-related engineering solutions. • To use ArcView GIS to create, edit, display, query and analyze geographic and tabular data and create maps and charts.

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

SECTION # 3 COURSEWORK

All candidates for the Associate of Applied Science Degree must complete 16 credits of General Education from the General Education/Discipline Studies list. The categories are: 1. Arts and Letters 2. Social Science 3. Science/Math/Computer Science. These credits must include at least one course from each category and no more than two courses or eight credits from any one category. Please identify all General Education listed within your degree.

PROPOSED DEGREE COURSEWORK

COURSE NUMBER	COURSE TITLE	CREDITS
CMET 110	Statics	4
CMET 111	Engineering Tech Orientation	4
CMET 112	Technical Algebra/Trigonometry	4
CMET 113	Engineering Technology Graphics	3
CMET 121	Strength of Materials	4
CMET 122	Technical Engineering Physics	4
CMET 123	Technical Algebra with Analytic Geometry	4
CH 104	General Chemistry*	5
CMET 131	Applied Calculus	8
CMET 227	Applied Electricity Fundamentals	2
WR 121	English Composition	4
	General Education	7
CMET 132	Plane Surveying	3
CMET 133	Materials Technology	3
CMET 221	Environmental Engineering Technology II	4
CMET 213	Fluid Mechanics	3
SP 100	Introduction to Speech Communication* OR	4
SP 111	Public Speaking*	0
CMET 228	Construction Materials	3
CMET 212	Thermodynamics I	4
CMET 211	Environmental Quality	4
CMET 241	Structural Steel Drafting	3
CMET 254	CMET Seminar	1
CMET 214	Route Surveying	3
CMET 233	CET Applied Computer Aided Design	3
CMET 222	Thermodynamics II	4
CMET 223	Project Management	3
CMET 236	Structural Design	3

CMET 280A	Cooperative Education (optional)	0
GEO 265	**Introduction to GIS (New)**	**4**
EET 110	**Introduction to Renewable Energy (New)**	**3**
	***Could be used as General Education** **Credit Total**	**108**

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 degree been approved by the consortium?**	☐ **Yes** ☒ **No**	**Requested implementation date:**	**Fall 2010**
Is this a degree option?	☒ **Yes** ☐ **No**	**If yes, name of the base degree:**		**Civil Engineering Technology AAS**	

Submitted By:	**Greg Gerstner**
Email:	**Greg.gerstner@pcc.edu**

Next steps:

1. Save the completed New Associate of Applied Science Request Form and submit as an e-mail attachment to dac@pcc.edu.
2. Download and print the New Associate of Applied Science Signature Page Form and obtain the appropriate signatures.
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SECTION # 1 OVERVIEW

Proposed Title:	Mechanical Engineering Technology AAS- Green Technology and Sustainability Option	**Proposed Credits:**	**108**
Reason for new degree:	To provide the Mechanical Engineering Technology student with Green Technology and Sustainability methodologies to better prepare the student to practice sustainable engineering.		

Impact on other areas of instruction: Have you talked to other area SACs? If yes, explain:	☒ **Yes** ☐ **No**	**Explain:** CMET has talked to the other SACs offering the 3 classes additional classes about the possibility of using their class in our option. These SACs have been agreeable and enthusiastic to the Green Technology and Sustainability option within CMET.	**Has degree been validated by the Advisory Committee?**	☒ **Yes** ☐ **No**

SECTION # 2 PREREQUISITES AND OUTCOMES

PROPOSED PREREQUISITES

Course Number	Course Title or Placement level	Credits
	Placement into WR 115	
	Completion of MTH 60 or placement into MTH 65 or higher	
SOC 228	Completion of SOC 228 Introduction to Environmental Sociology	4

PROPOSED OUTCOMES
• Be prepared for employment in the mechanical, manufacturing or civil engineering field. • Solve mechanical and/or civil engineering problems by applying fundamental knowledge of mathematical, computational, scientific and engineering concepts. • Acquire, through experience, the ability to identify, formulate, and design solutions to real-world engineering problems. • Conduct experiments using appropriate laboratory equipment to collect, analyze, and interpret data to acquire scientific knowledge about a stated problem. • Use appropriate techniques, skills and modern engineering equipment and computational tools towards the achievement of set goals and objectives. • Apply project management, time management and technical skills in the planning, design, fabrication, construction, and operation of engineering systems or components. • Create and interpret engineering drawings using modern computerized methods. • Communicate effectively and efficiently both at the individual level and within team settings. • To practice sustainable engineering with a holistic understanding of the impact of engineering solutions in a global, societal, and environmental context. • Apply ethical practice and professional responsibility within the field of mechanical engineering. • Be prepared to design machines and manufacturing processes within industry standands and apply mechanical engineering CAD software in the appropriate mechanical engineering setting. • Engage in life-long learning. • Achieve success in continuing their education towards completion of a four-year degree in engineering technology or engineering. • To implement the latest in Green Technology, including wind, PV and solar thermal and geothermal when designing energy-related engineering solutions. • To use ArcView GIS to create, edit, display, query and analyze geographic and tabular data and create maps and charts.

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

SECTION # 3 COURSEWORK

All candidates for the Associate of Applied Science Degree must complete 16 credits of General Education from the General Education/Discipline Studies list. The categories are: 1. Arts and Letters 2. Social Science 3. Science/Math/Computer Science. These credits must include at least one course from each category and no more than two courses or eight credits from any one category. Please identify all General Education listed within your degree.

PROPOSED DEGREE COURSEWORK

COURSE NUMBER	COURSE TITLE	CREDITS
CMET 110	Statics	4
CMET 111	Engineering Tech Orientation	4
CMET 112	Technical Algebra/Trigonometry	4
CMET 113	Engineering Technology Graphics	3
CMET 121	Strength of Materials	4
CMET 122	Technical Engineering Physics	4
CMET 123	Technical Algebra with Analytic Geometry	4
CH 104	General Chemistry*	5
CMET 131	Applied Calculus	8
CMET 227	Applied Electricity Fundamentals	2
WR 121	English Composition	4
	General Education	7
CMET 226	Dynamics	3
CMET 133	Materials Technology	3
CMET 221	Environmental Engineering Technology II	4
CMET 213	Fluid Mechanics	3
SP 100	Introduction to Speech Communication* OR	0
SP 111	Public Speaking*	4
CMET 215	Manufacturing Processes	3
CMET 212	Thermodynamics I	4
CMET 211	Environmental Quality	4
CMET 241	Structural Steel Drafting	3
CMET 254	CMET Seminar	1
CMET 235	Machine Design	3
CMET 237	MET Applied Computer Aided Design	3
CMET 222	Thermodynamics II	4
CMET 223	Project Management	3
CMET 236	Structural Design	3

CMET 280A	Cooperative Education (optional)	0
GEO 265	**Introduction to GIS (New)**	**4**
EET 110	**Introduction to Renewable Energy (New)**	**3**
	***Could be used as General Education** **Credit Total**	**108**

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 degree been approved by the consortium?**	☐ **Yes** ☒ **No**	**Requested implementation date:**	**Fall 2010**
Is this a degree option?	☒ **Yes** ☐ **No**	**If yes, name of the base degree:**		**Mechanical Engineering Technology AAS**	
Submitted By:	**Greg Gerstner**				
Email:	**Greg.gerstner@pcc.edu**				

Next steps:

1. Save the completed New Associate of Applied Science Request Form and submit as an e-mail attachment to dac@pcc.edu.
2. Download and print the New Associate of Applied Science Signature Page Form and obtain the appropriate signatures.
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SECTION # 1 OVERVIEW

Proposed Title:	Automotive Service Technology: Automotive Service Education Program-Option	**Proposed Credits:**	**108**
Reason for new degree:	No record of degree on file with State.		

Impact on other areas of instruction: Have you talked to other area SACs? If yes, explain:	☐ **Yes** ☒ **No**	**Explain:**	**Has degree been validated by the Advisory Committee?**	☒ **Yes** ☐ **No**

SECTION # 2 PREREQUISITES AND OUTCOMES

PROPOSED PREREQUISITES

Course Number	Course Title or Placement level	Credits
MTH 20	Basic Math (Arithmetic)	4
WR 115	Intro to Expository Writing	4
RD115	College Reading	4
General Education	General Education Course	4

PROPOSED OUTCOMES	
Upon completion students will be able to: 1. Demonstrate knowledge and ability to repair cars and light trucks with limited supervision. 2. Demonstrate knowledge and ability to access repair information in a rapidly changing technology. 3. Demonstrate ability to communicate effectively with their employers, customers and co-workers. 4. Develop strategies and processes to solve the vehicle's repair problems. 5. Perform vehicle repair to the highest professional and ethical standards.	
Proposed Degree addresses the following Core PCC Outcomes: (Check all that apply)	☒ **Communication** ☒ **Community and Environmental Responsibility** ☒ **Critical Thinking and Problem Solving** ☒ **Cultural Awareness** ☒ **Professional Competence** ☒ **Self Reflection**

SECTION # 3 COURSEWORK

All candidates for the Associate of Applied Science Degree must complete 16 credits of General Education from the General Education/Discipline Studies list. The categories are: 1. Arts and Letters 2. Social Science 3. Science/Math/Computer Science. These credits must include at least one course from each category and no more than two courses or eight credits from any one category. Please identify all General Education listed within your degree.

PROPOSED DEGREE COURSEWORK

COURSE NUMBER	COURSE TITLE	CREDITS
ASEP 101	Electrical/Electronic and HVAC Systems	12
ASEP 280A	CE: ASEP	12
ASEP 102	Steering, Suspension and Brakes	12
ASEP 280A	CE: ASEP	12
ASEP 103	Engine Repair and Performance	12
ASEP 280A	CE: ASEP	12
ASEP 104	Manual and Automatic Drivetrain	12
ASEP 280A	CE: ASEP	12
Gen Ed	General Education Course Work for AAS Degree	12

	Credit Total	**108**

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 degree been approved by the consortium?**	☐ **Yes** ☐ **No**	**Requested implementation date:**	**Fall 2010**
Is this a degree option?	☒ **Yes** ☐ **No**	**If yes, name of the base degree:**		**Automotive Service Technology**	
Submitted By:	**Scott Morgan**				
Email:	**samorgan@pcc.edu**				

Next steps:

1. Save the completed New Associate of Applied Science Request Form and submit as an e-mail attachment to dac@pcc.edu.
2. Download and print the New Associate of Applied Science Signature Page Form and obtain the appropriate signatures.
3. Staple the signed New Associate of Applied Science Signature Page Form to a hard copy of the New Associate of Applied Science Request Form (electronic version has already been sent in step one). Send both forms to Curriculum Office, Rock Creek Campus, Building 5, Room 114 via campus mail.

Portland Community College	NEW ASSOCIATE OF APPLIED SCIENCE DEGREE REQUEST FORM	Directions: Fill out completely and return electronically to: dac@pcc.edu Signature pages should be intercampus mailed to: Curriculum Office RC 5/115

SECTION # 1 OVERVIEW

Proposed Title:	Health Informatics AAS	**Proposed Credits:**	**96**
Reason for new degree:	**Health Informatics is a relatively new field in health care that has an enormous growth potential. This is a statewide degree that needs to be approved at each community college that is going to offer the degree.**		

Impact on other areas of instruction: Have you talked to other area SACs? If yes, explain:	☐ **Yes** ☒ **No**	**Explain: This degree will not adversely affect any other program.**	**Has degree been validated by the Advisory Committee?**	☒ **Yes** ☐ **No**

SECTION # 2 PREREQUISITES AND OUTCOMES

PROPOSED PREREQUISITES

Course Number	Course Title or Placement level	Credits
	Completion of WR 115 or higher or placement into WR 121	
	Completion of MTH 65 or higher or placement into MTH 95 or higher	

PROPOSED OUTCOMES

1. Health care System environment
- **Develop and evaluate health care system requirements**
- **Design, implement and deploy a health care system**
- **Evaluate, test, debug and troubleshoot a health care system**
- **Apply operational health care knowledge in addressing Health Informatics system needs**

2. Technology
- **Create effective databases and user interfaces**
- **Query a database using advanced SQL concepts**
- **Develop small programs**
- **Select appropriate technology tools by recognizing tool capabilities and limitations**

3. Personal and Interpersonal
- **Communicate effectively in both oral and written form**
- **Work effectively in teams**
- **Manage time, tasks and projects**
- **Take ownership of Health Informatics career by adapting and learning new skills**
- **Explain concepts, components, & processes of a health care system**
- **Plan and control total cost of ownership (TCO) for a health care system**

4. Network management
- **Install, manage and troubleshoot issues in a network environment**
- **Provide technical support to desktop clients**
- **Identify and evaluate network requirements for a health care organization**
- **Specify and purchase hardware and software for a local area network**
- **Assemble hardware, install software, and configure a local are network**
- **Operate a reliable and secure local area network**
- **Establish and maintain connections between/among local are networks and wide area networks**
- **Use network concepts and terminology to communicate with vendors and users**

5. Business
- **Work with users, managers and associates in helping to define systems requirements for new projects.**
- **Assist in management of small to medium-size projects using project management software and practices**
- **Use accounting principles to increase profitability and decrease cost in a project**
- **Use micro and macro economics knowledge to understand their effect on the economy**

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

SECTION # 3 COURSEWORK

All candidates for the Associate of Applied Science Degree must complete 16 credits of General Education from the General Education/Discipline Studies list. The categories are: 1. Arts and Letters 2. Social Science 3. Science/Math/Computer Science. These credits must include at least one course from each category and no more than two courses or eight credits from any one category. Please identify all General Education listed within your degree.

PROPOSED DEGREE COURSEWORK

COURSE NUMBER	COURSE TITLE	CREDITS
	Required Courses	
CIS 122 Or CIS 133B Or CIS 133J Or CS 161	Software Design* Intro Visual Basic.Net Programming Java Programming I Computer Science I*	4 4 4 4
CIS 125D	Database Application Development I	4
CIS 135T Or CIS 233B Or CIS 233J Or CS 162	XML, Data transformation and Objects Intermediate Visual Basic.Net Programming Java Programming II Computer Science II	4 4 4 4
CIS 140M Or CS 140U	Operating Systems I: Microsoft Into to Unix	4 4
CIS 179	Data Communication Concepts I	4
CIS 244	Systems Analysis	4

CIS 245	Project Management-Information System	4
CIS 275	Data Modeling & SQL Introduction	4
CIS 276	Advanced SQL	4
CIS 280D Or CIS 277H	Cooperative Education: Application Development Intro to Health Informatics	4
MP 109	Basic Medical Terminology	2
HIM 110	Health Information Technology	4
HIM 182	Health Care Delivery Systems	3
HIM 283	Health Information systems	4
HIM 285	Healthcare Financing & Compliance	3
BA 205 BA 211	Solving Communication Problems with Technology Principles of Accounting I	4 3
	*Could be used as General Education	
	Electives	17
	General Education	
Sci./Math/Computer Sci. Arts & Letters SP 111 SP 215 SP 237 Soc. Sci. EC 201 EC 202 PSY 201 Soc 218	Any approved Math/Nat Sci Gen Ed. Class will count Any approved Math/Nat Sci Gen Ed. Class will count, but the following classes are recommended Public Speaking Small group communication: process & theory Gender and communication Any approved Soc. Sci. Gen Ed. Class will count, but the following classes are recommended Principles of Economics: Microeconomics Principles of Economics: Macroeconomics Intro to Psychology – Part I Sociology of Gender	 4 4 4 4 4 4 4
	Electives	
CS 140U	Operating Systems I: Linux (if not taken as a required alternative)	4
CIS 140M	Operating Systems I: Microsoft (if not taken as a required alternative)	4
CIS 145	Microcomputer Hardware and Troubleshooting	4
CIS 188	Introduction to Wireless Networking	4
CIS 189	Wireless Security	4
CIS 225	End User Support	4
CIS 240L	Linux Installation & Configuration	4
CIS 240M	Managing a Windows Server Environment	4
CIS 277D	Database Security	4
CIS 277O	Advanced Database Concepts in Oracle	4

CIS 277T	Web Business Intelligence Development	4
CIS 278	Data Communications Concepts II	4
CIS 279L	Linux Network Administration	4
CIS 284	Network Security	4
CIS 288M	Microsoft Network Administration	4
CIS 289M	Microsoft Active Directory Administration	4
HCL 255	Introduction to Health Care Informatics (Not offered at PCC)	3
HIM 271	Quality Improvement in Healthcare (Co-requisite with HIM 274)	3
HIM 274	Quality Improvement in Healthcare – lab	1
HIM 281	Data management & Analysis I (Co-requisite with HIM 286)	3
HIM 286	Data management & Analysis I – Lab	2
BI 112	Cell Biology for Health Occupations	5
BI 121	Intro to Human Anatomy & Physiology I	4
BI 122	Intro to Human Anatomy & Physiology II	4
BI 231	Human Anatomy & Physiology I	4
BI 232	Human Anatomy & Physiology II	4
BI 233	Human Anatomy & Physiology III	4
MSD 279	Project Management-Intro	4
BA 224	Human Resource Management	3
BA 255	Project Management-Business Environments	4
OS 220	Business Editing Skills	4
MP 110	Basic Medical Terminology	2
MP 111	Medical Terminology	4
WR 122	English Composition	4
WR 227	Technical & Professional Writing I	4
	Credit Total	**96**

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 degree been approved by the consortium?**	☒ **Yes** ☐ **No**	**Requested implementation date:**	**Fall 2010**
Is this a degree option?	☐ **Yes** ☒ **No**	**If yes, name of the base degree:**			

Submitted By:	**Michael W. Talbert**
Email:	**mtalbert@pcc.edu**

Next steps:

1. Save the completed New Associate of Applied Science Request Form and submit as an e-mail attachment to dac@pcc.edu.
2. Download and print the New Associate of Applied Science Signature Page Form and obtain the appropriate signatures.
3. Staple the signed New Associate of Applied Science Signature Page Form to a hard copy of the New Associate of Applied Science Request Form (electronic version has already been sent in step one). Send both forms to Curriculum Office, Rock Creek Campus, Building 5, Room 114 via campus mail.

Portland Community College	NEW CERTIFICATE REQUEST FORM	Directions: Fill out completely and return electronically to: dac@pcc.edu Signature pages should be intercampus mailed to: Curriculum Office RC 5/115

SECTION # 1 OVERVIEW

Proposed Title:	Design for Aging in Place		**Proposed Credits:**	**49**	
Reason for new certificate:	Current Trends in Interior Design and Remodeling have sparked a remarkable interest in the ability of older adults to plan to stay in their homes longer. They need designers educated in this sector. To create jobs in the Aging in Place Remodeling sector for Portland Community College students.				
Impact on other areas of instruction: Have you talked to other area SACs? If yes, explain:	▪ **Yes** ☐ **No**	**Explain:** **Other programs will benefit from the cross-departmental nature of this certificate. I have met with the Chairs of Gerontology and Architectural Design and Drafting. Their students may be interested in the certificate.**	**Has certificate been validated by the Advisory Committee?**	▪ **Yes** ☐ **No**	

SECTION # 2 PREREQUISITES AND OUTCOMES

PROPOSED PREREQUISITES

Course Number	Course Title or Placement level	Credits
WR 115	Introduction to Expository Writing	4
RD 115	College Reading	4
MTH 20	Basic Math (Arithmetic)	4

PROPOSED OUTCOMES	
1. **Students will develop a deep understanding of the unique needs of older adults and their interior environments. This will be done through a cross disciplinary course outline that includes coursework in interior design, architectural design and drafting, gerontology, sociology and building construction technology.** 2. **Students who complete the program will be prepared to assist, design and consult individual clients on redesign projects for older adult clients.** 3. **Students will be prepared to work in the field of Design for Aging in Place and be able to be employed by builders, architects and interior designers**	
Proposed Certificate addresses the following Core PCC Outcomes: (Check all that apply)	☐ **Communication** ▪ **Community and Environmental Responsibility** ▪**Critical Thinking and Problem Solving** ▪**Cultural Awareness** ▪**Professional Competence** ☐**Self Reflection**

SECTION # 3 COURSEWORK

PROPOSED CERTIFICATE COURSEWORK		
COURSE NUMBER	**COURSE TITLE**	**CREDITS**
ID 131	Introduction to Interiors	3
ID 120	Interior Products and Materials I	3
ID 121	Sustainable Materials for Residential Interiors	3
ID 125	Computer Drafting for Interior Designers	3
ID 132	Planning Interiors	3
ID 133	Space Planning	3
ID 138	Introduction to Kitchen and Bath Planning	3
ID 236	Lighting Design	3
ARCH 100	Graphic Communication for Designers	3
ARCH 110	Introduction to Architectural Drawing	2
ARCH 132	Residential Building Codes	2
GRN 181	Exploring the Field of Aging	2
GRN 282	Gerontology Professional Seminar	1
SOC 223	Social Gerontology/ Sociology of Aging	4
SOC 230	Introduction to Gerontology	4

SOC 231	Sociology of Health & Aging	4
BCT 100	Overview to the Construction Industry	3
	Credit Total	**49**

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

Is this a Statewide Certificate?	☐ **Yes** ▪ **No**	**Has the certificate been approved by the consortium?**	☐ **Yes** ▪ **No**	**Requested implementation date:**	**Fall 2010**

Certificates 45 credits or more require related instruction. Fill out a Template for Related Instruction located at:
(http://www.pcc.edu/recources/academic/eac/degree/forms.html

List any stand alone Related Instruction courses:	
Submitted By:	**Amanda Ferroggiaro, FDC, Interior Design**
Email:	**amanda.ferroggiaro1@pcc.edu**

Next steps:

1. Save the completed New Certificate Request Form and submit as an e-mail attachment to dac@pcc.edu.
2. Download and print the New Certificate Signature Page Form and obtain the appropriate signatures.
3. Staple the signed New Certificate Signature Page Form to a hard copy of the New Certificate Request Form (electronic version has already been sent in step one). Send both forms to Curriculum Office, Rock Creek Campus, Building 5, Room 114 via campus mail.

Portland Community College	NEW ASSOCIATE OF APPLIED SCIENCE DEGREE REQUEST FORM	Directions: Fill out completely and return electronically to: dac@pcc.edu Signature pages should be intercampus mailed to: Curriculum Office RC 5/115

SECTION # 1 OVERVIEW

Proposed Title:	Certificate in Geographic Information Systems (GIS)		**Proposed Credits:**	**44**	
Reason for new degree:	**To meet the growing need for professionals trained in GIS. Currently there are no environmental-focused GIS certificate programs in the Portland Metro Area.**				
Impact on other areas of instruction: Have you talked to other area SACs? If yes, explain:	☒ **Yes** ☐ **No**	**Explain:** **The certificate pulls not only from Geography, but also from several other disciplines. The geography SAC chair has connected with each of the impacted SACs and presented the certificate.**	**Has degree been validated by the Advisory Committee?**	☐ **Yes** ☒ **No** **Note: The first meeting of the Advisory Cmte is scheduled for October.**	

SECTION # 2 PREREQUISITES AND OUTCOMES

PROPOSED PREREQUISITES

Course Number	Course Title or Placement level	Credits
WR 115	Writing 115 or equivalent placement scores	4
RD 115	Reading 115 or equivalent placement scores	4
MTH 20	Math 60 or equivalent placement scores	4

PROPOSED OUTCOMES	
1. Communicate geographic information, verbally and graphically, to a variety of audiences using geographic tools and technologies **2. Analyze critically geographic problems and questions** **3. Collect, create, analyze, and document geographic information for various applications and disciplines** **4. Use geographic concepts and GIS technologies to input, store, query, and retrieve spatial and attribute data**	
Proposed Degree addresses the following Core PCC Outcomes: (Check all that apply)	☒ **Communication** ☒ **Community and Environmental Responsibility** ☒ **Critical Thinking and Problem Solving** ☐ **Cultural Awareness** ☒ **Professional Competence** ☐ **Self Reflection**

SECTION # 3 COURSEWORK

All candidates for the Associate of Applied Science Degree must complete 16 credits of General Education from the General Education/Discipline Studies list. The categories are: 1. Arts and Letters 2. Social Science 3. Science/Math/Computer Science. These credits must include at least one course from each category and no more than two courses or eight credits from any one category. Please identify all General Education listed within your degree.

PROPOSED DEGREE COURSEWORK

COURSE NUMBER	COURSE TITLE	CREDITS
CORE COURSES		28 credits
GEO 105	Human Geography	4
GEO 106	Geography of the Developed World	4
GEO 107	Geography of the Developing World	4
GEO 265	Introduction to GIS	4
GEO 266	GIS Analysis	4
GEO 267	Application Topics in GIS	4
SP 111	Public Speaking	4
ADDITIONAL COURSES	ADDITIONAL COURSES (Choose 16 additional credits from the following list of courses) –	

BI 145	Introduction to Wildlife Conservation and Management	4
BI 200	Principles of Ecology: Field Biology	4
BI 202	Botany: An Introduction to the Plant Kingdom	4
ESR 150	Environmental Studies Orientation	1
ESR 160	Intro to Environmental Systems	4
ESR 173	Environmental Science: Geological Perspectives	4
ESR 201	Applied Environmental Studies: Science/Policy Consideration	4
ESR 202	Applied Environmental Studies: Pre for Problem Solving	4
ESR 150	Environmental Studies Orientation	1
G 201	Physical Geology	4
G 202	Physical Geology	4
G 207	Geology of the Pacific Northwest	3
HOR 290	Introduction to Landscape Design	3
CSS 200	Soils and Plant Nutrition	3
G 201	Physical Geology	4
G 202	Physical Geology	4
G 207	Geology of the Pacific Northwest	3
	Credit Total	**44**

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 degree been approved by the consortium?**	☐ **Yes** ☐ **No**	**Requested implementation date:**	**Fall 2010**

Is this a degree option?	☐ **Yes** ☒ **No**	**If yes, name of the base degree:**	
Submitted By:	**Matt Constantino**		
Email:	**Matthew.constantino@pcc.edu**		

Next steps:

1. Save the completed New Associate of Applied Science Request Form and submit as an e-mail attachment to dac@pcc.edu.
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Portland Community College	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 RC 5/115

SECTION # 1 OVERVIEW

Current Title:	Architectural Design and Drafting	**Proposed Title:**	Architectural Design and Drafting
Current Credits:	98	**Proposed Credits:**	99
Overview and rationale for proposed changes:	**For years the ARCH students have been mainly divided into two groups. One, that's main interest is in computer aided drafting and one that's main interest is residential design. Over the years we have advised these students into electives or substituted courses to meet their needs and interests. This, along with the newly created transfer option to OSU, has developed the need for two degree options. The base degree is changing to focus more on computer applications. The new degree option focuses on residential design and aligns with the requirements of the OSU transfer.**		
List of specific changes that are being proposed (i.e. may include, addition or deletion of courses, title changes, credit changes, prerequisite changes, outcome changes, course changes, etc).	**1. Take ARCH 100 out of required and move it to the electives list** **2. Take ARCH 137 out of required and move it to the electives list** **3. Take ARCH 200 out of required and move it to the electives list** **4. Add ARCH 256 to the list of required list** **5. Add three electives from the CAD list** **6. Take ARCH 110 out of the electives list and add it to the required list** **7. Take ARCH 127 out of the electives list and add it to the required list** **8. Add ARCH 247 to the electives list** **9. Add ID 131 to the electives list** **10. Add ID 238 to the electives list** **11. Add BCT 116 to the electives list** **12. Add BCT 108 to the electives list** **13. Remove ARCH 140 from the electives list**		

SECTION # 2 REVISION AREAS

Does the revision impact PCC Core Outcomes which the degree supports?	☐ **Yes** **X No**

SECTION # 3 PREREQUISITES AND OUTCOMES

Current Prerequisites	**Does the revision involve changing degree prerequisites?**	☐ **Yes**	**X No**
Course Number	**Course Title or Placement level**		
	Must place into Math 60 or higher		
	Must place into Writing 115 or higher		

Proposed Prerequisites		
Course Number	**Course Title or Placement level**	

Current Outcomes: Required whether or not outcomes are being changed.	**Does the revision involve changing degree outcomes?**	**X Yes** **No**

- Design a residence or small commercial building responsive to its site, and user needs, and codes.
- Apply knowledge of construction and building systems to develop a building design, and subsequently to the production of Construction Documents using NCBDC Standards.
- Demonstrate understanding of materials used in construction, including their sizes, composition, advantages/disadvantages, and appropriate applications.
- Demonstrate understanding of energy efficient and sustainable design principles through design of residential and small commercial buildings.
- Demonstrate understanding and application of ethics practices, as related to building industry standards and NCBDC Code of Ethics and

Bylaws, along with standard business practice.

- Develop ability to create architectural drawings, using CAD applications, in addition to appropriate graphic and verbal presentations.

Proposed Outcomes:

- Design a residential or small commercial building responsive to site conditions, user requirements, codes and construction standards, and aesthetic considerations.
- Produce architectural drawings using a range of computer-aided drafting software.
- Select and recommend building systems, structural systems, construction materials, and structural components responsive to the building's design.
- Produce a set of construction documents that describe the construction requirements for a building, using accepted industry practices.
- Communicate with design professionals, clients, and engineers, using industry specific terminology and graphics.
- Complete all phases of the design and documentation process with consideration of its impact on the natural environment.

SECTION # 3 COURSE BY COURSE COMPARISON

CURRENT DEGREE INFORMATION			PROPOSED DEGREE INFORMATION		
COURSE NUMBER	**COURSE TITLE**	**CREDITS**	**COURSE NUMBER**	**COURSE TITLE**	**CREDITS**
ARCH 100	Graphic Communication for Designers	3	**ARCH 100**	**Graphic Communication for Designers (remove)**	0
			ARCH 110	**Intro To Architectural Drawing (add)**	2
ARCH 124	Introduction to Building Systems	3	ARCH 124	Introduction to Building Systems	3
ARCH 126	Introduction to AutoCAD	3	ARCH 126	Introduction to AutoCAD	3
			ARCH 127	**Introduction to Google SketchUP (add)**	3
ARCH 200	Introduction to Architecture	4	**ARCH 200**	**Introduction to Architecture (remove)**	0
ARCH 101	Architectural Graphics I	3	ARCH 101	Architectural Graphics I	3
ARCH 111	Working Drawings I	3	ARCH 111	Working Drawings I	3
ARCH 121	Structural Systems I	2	ARCH 121	Structural Systems I	2
ARCH 132	Residential Building Codes	2	ARCH 132	Residential Building Codes	2
ARCH 136	Intermediate AutoCAD	3	ARCH 136	Intermediate AutoCAD	3
ART 215	History of American Residential Architecture	3	ART 215	History of American Residential Architecture	3
ARCH 102	Architectural Graphics II	3	ARCH 102	Architectural Graphics II	3
ARCH 112	Working Drawings II	3	ARCH 112	Working Drawings II	3
ARCH 113	Site Planning	2	ARCH 113	Site Planning	2
ARCH 122	Structural Systems II	4	ARCH 122	Structural Systems II	4
ARCH 133	Commercial Building Codes	2	ARCH 133	Commercial Building Codes	2

ARCH 137	AutoCAD Architecture	3	**ARCH 137**	**AutoCAD Architecture (remove)**	0
ARCH 201	Design Studio I	6	ARCH 201	Design Studio I	6
ARCH 224	Active & Passive Building Systems	4	ARCH 224	Active & Passive Building Systems	4
ARCH 123	Structural Systems III	4	ARCH 123	Structural Systems III	4
ARCH 202	Design Studio II	6	ARCH 202	Design Studio II	6
	ARCH Elective	6		ARCH Electives	6
ARCH 203	Design Studio III	6	ARCH 203	Design Studio III	6
ARCH 280	CE: Architectural Design & Drafting	4	ARCH 280	CE: Architectural Design & Drafting	4
			ARCH 256	**Advanced AutoCAD (add)**	3
				CAD Elective (add)	**3**
				General Education	16
	Credit Total			**Credit Total**	
	Electives			**Electives**	
ARCH 110	Introduction to Architectural Drawing		**ARCH 110**	**Introduction to Architectural Drawing (Moved to required above)**	
ARCH 280	CE Architectural Design & Drafting		ARCH 280	CE Architectural Design & Drafting	
ID 133	Space Planning		ID 133	Space Planning	
ID 135	Professional Practice for Designers		ID 135	Professional Practice for Designers	
ID 138	Introduction to Kitchen & Bath Planning		ID 138	Introduction to Kitchen & Bath Planning	
ID 236	Lighting Design		ID 236	Lighting Design	
ARCH 131	Sustainable Structures		ARCH 131	Sustainable Structures	
ARCH 204	Sustainable Design Studio		ARCH 204	Sustainable Design Studio	
ID 121	Sustainable Materials for Residential Interiors		ID 121	Sustainable Materials for Residential Interiors	
BCT 206	Sustainable Construction		BCT 206	Sustainable Construction Practices	
ARCH 237	Introduction to Autodesk Revit		ARCH 237	Introduction to Autodesk Revit	
ARCH 140	Chief Architect		**ARCH 140**	**Chief Architect (remove)**	
ARCH 127	Introduction to Google Sketch-up		ARCH 127	Introduction to Google Sketch-up	
			ARCH 100	**Graphic Communication for Designers (add)**	
			ARCH 137	**AutoCAD Architecture (add)**	3
			ARCH 200	**Introduction to Architecture (add)**	3
			ARCH 247	**Intermediate Revit (add)**	4
			ID 131	**Introduction to Interiors (add)**	3
			ID 238	**Advanced Kitchen and Bath (add)**	
			BCT 116	**Alternative Building Design (add)**	
			BCT 108	**Introduction to Building Science- Energy Efficient Housing (add)**	

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

Is this a	☐ **Yes X No**	**Has the change been approved by the**	☐ **Yes** ☐ **No**	**Are there any career pathway(s) or related certificates attached to this**	**X Yes** ☐ **No**

statewide degree?		**consortium?**		**degree?**	
Is this a degree option?	☐ **Yes X No**	**If yes, name of base degree**			
If yes, name of career pathway(s) or related certificate	**Sustainable Building Certificate Kitchen and Bath Certificate**	**Does this change affect the career pathway (s) or related certificate?**	☐ **Yes X No**	**Requested Implementation date:**	**Spring 10**
Submitted By:	**Elizabeth Metcalf**				
Email:	emetcalf@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.
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Portland Community College	NEW ASSOCIATE OF APPLIED SCIENCE DEGREE REQUEST FORM	Directions: Fill out completely and return electronically to: dac@pcc.edu Signature pages should be intercampus mailed to: Curriculum Office RC 5/115

SECTION # 1 OVERVIEW

Proposed Title:	Architectural Design and Drafting-Residential	**Proposed Credits:**	97
Reason for new degree:	This degree option is being added to meet the needs of students who want a residential focus. It was also created to align with OSU Housing Studies degree.		

Impact on other areas of instruction: Have you talked to other area SACs? If yes, explain:	☒ **Yes** ☐ **No**	**Explain:** **The new degree path requires several interior design courses. This has been discussed and approved by the Interior Design SAC.**	**Has degree been validated by the Advisory Committee?**	☒ **Yes** ☐ **No**

SECTION # 2 PREREQUISITES AND OUTCOMES

PROPOSED PREREQUISITES

Course Number	Course Title or Placement level	Credits
	Must place into Math 60 or higher	
	Must place into Writing 115 or higher	

PROPOSED OUTCOMES

- Design a residential building responsive to site conditions, user requirements, codes and construction standards, and aesthetic considerations.
- Produce architectural drawings using manual and computer-aided drafting.
- Select and recommend building systems, structural components, construction and finish materials, and lighting responsive to a residential building's design and interior systems.
- Produce a set of construction documents that describe the construction requirements for a residential building, using accepted industry practices.
- Communicate with design professionals, clients, and engineers, using industry specific terminology and graphics.
- Complete all phases of the design and documentation process with consideration of its impact on the natural environment.
- Qualify for transfer to Oregon State University's Housing Studies Program.

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

SECTION # 3 COURSEWORK

All candidates for the Associate of Applied Science Degree must complete 16 credits of General Education from the General Education/Discipline Studies list. The categories are: 1. Arts and Letters 2. Social Science 3. Science/Math/Computer Science. These credits must include at least one course from each category and no more than two courses or eight credits from any one category. Please identify all General Education listed within your degree.

PROPOSED DEGREE COURSEWORK

COURSE NUMBER	COURSE TITLE	CREDITS
ARCH 100	Graphic Communication for Designers	3
ARCH 110	Introduction to Architectural Drawing	2
ARCH 124	Introduction to Building Systems	3
ARCH 126	Introduction to AutoCAD	3

ARCH 200	Introduction to Architecture	4
ARCH 101	Architectural Graphics I	3
ARCH 111	Working Drawings I	3
ARCH 121	Structural Systems I	2
ARCH 132	Residential Building Codes	2
ARCH 136	Intermediate AutoCAD	3
ART 215	History of American Residential Architecture	3
ARCH 102	Architectural Graphics II	3
ARCH 110	Intro to Arch. Drawing	2
ARCH 100	Graphic Communication for Designers	3
ARCH 110	Introduction to Architectural Drawing	2
ARCH 113	Site Planning	2
ARCH 122	Structural Systems II	4
ARCH 201	Design Studio I	6
ARCH 224	Active & Passive Building Systems	4
ARCH 203	Design Studio III	6
ARCH 280	Cooperative Education: Architectural Design and Drafting	4
ID 121	Sus. Matls. For Res. Interiors	3
ID 131	Intro to Interiors	3
ID 133	Space Planning	3
ID 138	Intro to Kitchen and Bath	3
ID 236	Lighting	3
ID 238	Advanced Kitchen and Bath	3
	CAD Elective	3
	General Education	16
	CAD Electives	
ARCH 127	Introduction to Google SketchUP	3
ARCH 137	Introduction to AutoCAD Architecture	3
ARCH 237	Introduction to Revit Architecture	3
ARCH 247	Intermediate Revit Architecture	3
	Credit Total	**97**

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 degree been approved by the consortium?**	☐ Yes ☐ No	**Requested implementation date:**	**Fall 2010**
Is this a degree option?	☒ Yes ☐ No	**If yes, name of the base degree:**		**Architectural Design and Drafting**	
Submitted By:	**Elizabeth Metcalf**				
Email:	**emetcalf@pcc.edu**				

Next steps:

1. Save the completed New Associate of Applied Science Request Form and submit as an e-mail attachment to dac@pcc.edu.
2. Download and print the New Associate of Applied Science Signature Page Form and obtain the appropriate signatures.
3. Staple the signed New Associate of Applied Science Signature Page Form to a hard copy of the New Associate of Applied Science Request Form (electronic version has already been sent in step one). Send both forms to Curriculum Office, Rock Creek Campus, Building 5, Room 114 via campus mail.