Degrees and Certificates
Agenda
January 9, 2008 2pm-4pm
Sylvania CC Conference Room A

2:00

Overview and Minutes

Introduction of new committee members

New Business:

2:15: Revision: AAS Nursing-Alisa Schneider

2:30: Revision: Certificate in Building Inspection Tech: One and Two Family Dwelling Examiner-

Debra Anderson

2:45: Revision: AAS in Web Site Development and Design Certificate-Ron Bekey

Revision: Certificate: Web Development and Design-Ron Bekey

3:00:Revision: Certificate: Gerontology- Jan Abushakrah

Revision: AAS-Gerontology-Jan Abushakrah

New Certificate in Advanced Behavioral & Cognitive Care- Jan Abushakrah

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PORTLAND COMMUNITY COLLEGE

**Associate of Applied Science/Certificate
Revision Request Form**

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Current Degree/Certificate Title: One-Year Certificate: Gerontology
Proposed Degree/Certificate Title:

Reason for Revision:
 Minor revision to add new Restricted Electives, and to modify Outcomes

Request Implementation Term: Fall 2008

List Current Degree/Certificate Prerequisites:
Sample

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

Current

Course Number	Course Title	Credit
None	None	None

Does Revision involve changing Degree/Certificate Prerequisites?
☒ No   ☐ Yes

If Yes, please list proposed prerequisites:
Proposed

Course Number	Course Title	Credit

Does Revision impact PCC Core Outcomes which Degree and/or Certificates support?
☒ No   ☐ Yes
If Yes, explain:

List Current Degree/Certificate Outcomes: (<u>REQUIRED</u> whether or not Outcomes are changing)
Sample

Current Degree/Certificate Outcome
• Develop JavaScript extensions to web pages • Upload, test and deploy web pages containing JavaScript

Current Degree/Certificate Outcome
• Acquire skills and knowledge to work effectively with and for elders as a gerontology professional, and as a family and community member. • Use gerontological research and theories to plan, implement, and contribute to programs, policies, and social change strategies for and with elders in professional, institutional and community settings. • Work with confidence in the professional field of gerontology, while developing a rewarding career and taking advantage of continuing learning opportunities.

Does Revision involve changing Degree/Certificate Outcomes?
☐ No   ☒ Yes

If Yes, list proposed outcomes:

Proposed Degree/Certificate Outcome
• Apply skills and knowledge to effective work with and for elders as a gerontology professional, and as a family and community member
• Use gerontological research and theories to plan, implement, and contribute to programs, policies, and social change strategies for and with elders in professional, institutional and community settings
• Communicate, collaborate, develop and access appropriate resources, while working with other professionals and with diverse stakeholders in service and program delivery
• Adhere to professional and ethical standards appropriate to one's gerontological specialty, while managing one's career and taking advantage of continuing learning opportunities
• Work as an age specialist in the area of one's prior work experience, credential or degree (if appropriate)
• Pursue the additional 45 credits to earn an AAS Degree in Gerontology (if desired)

For Certificates, does Revision involve changing Related Instruction?
☒ No   ☐ Yes
If Yes, Fill out Template for Related Instruction
(http://www.pcc.edu/resources/academic/eac/degree/forms.html).

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

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

Does Revision involve changing coursework requirements?
☐ No   ☒ Yes

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

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

Current

Course Number	Course Title	Credit
	See Attached List	

Proposed

Course Number	Course Title	Credit
	RESTRICTED ELECTIVES ADDITIONS:	

GRN165	Basic Activity Director Training	2
GRN235	Advanced Care Issues	3
GRN236	Advanced Care Practice	3

Total Number of Credits in Degree/Certificate:

Current Credits: 46
Proposed Credits: 46

Contact Information:

Submitted by: Jan Abushakrah
Contact e-mail: jabushak@pcc.edu

Next Steps:

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

2. Download and print Associate of Applied Science/Certificate Revision Signature Page Form (http://www.pcc.edu/resources/academic/eac/degree/forms.html) and get the appropriate signatures.

3. Staple signed Associate of Applied Science/Certificate Revision Signature Page Form to a hard copy of Associate of Applied Science/Certificate Revision Request Form (electronic version has already been sent in Step 1). Send both forms to Curriculum Office, Rock Creek Campus, Building 5, Room 114 via campus mail.

GERONTOLOGY ONE-YEAR CERTIFICATE <mark>2008-2009 – Changes in Bold, Highlighted</mark>

Students should take GRN181: Exploring the Field of Aging in their first or second term in the program. The **internship (cooperative education)** will provide a unique opportunity for the students to work directly with older adults in different settings. Certificate candidates who are currently working in the field with aging adults and have accumulated at least 200 hours of work experience may petition to receive credit up to 90 hours (3 credits) toward the required hours for worksite placement. Students must complete the program with a grade of "C" or better.

Core Courses: (28 credits)

GRN181	Exploring the Field of Aging	2 credits
GRN282	Gerontology Professional Seminar	1 credit
PSY 215	Human Development	4 credits
SOC 223	Sociology of Aging	4 credits
SOC 230	Introduction to Gerontology	4 credits
SOC 231	Sociology of Health and Aging	4 credits
SOC 232	Death and Dying: Culture and Issues	4 credits
GRN280B	Gerontology Internship Seminar	1 credit
GRN280A	CE: Gerontology Internship	4 credits

Basic Competencies [Apply to Certificate]

WR 121*	English Composition	4 credits
MTH 20**	Basic Math	4 credits

*Or passing a writing course for which WR 121 is a prerequisite
**Or higher, or passing the PCC competency exam for MTH20

Electives (at least 8 credits from the following courses):

AD 101	Alcohol Use & Addiction	3 credits»
GRN165	**Basic Activity Director Training**	**2 credits**
GRN235	**Advanced Care Issues**	**2 credits**
GRN236	**Advanced Care Practice**	**2 credits**
SOC204	Sociology in Everyday Life	4 credits»
SOC 205	Social Change & Social Institutions	4 credits
SOC 213	Diversity in the United States	4 credits»

PHL 207	Ethical Issues in Aging	4 credits»
PSY 101	Psychology and Human Relations	4 credits
PSY 214	Introduction to Personality	4 credits
PSY 222	Family & Intimate Relations	4 credits
MP 111	Medical Terminology	4 credits
HPE 295°	Health & Physical Fitness for Life	3 credits
HE 250	Personal Health	3 credits
BA 101	Introduction to Business	4 credits

° HPE295 requires on-campus initial, midterm and final assessments for Lab.
»These courses are required for the AAS Degree.

Choose one course from the following Restricted Electives*:

CAS 216	Beginning Word: WIN	3 credits
CAS 217	Advanced Word: WIN	3 credits
CAS 133	Basic Computer Skills/MS Office	4 credits
CAS 170	Excel	3 credits
CAS 140	Access	3 credits
CAS 230	Pagemaker	3 credits

*This requirement can be met through proof of comparable, work-based computer skills training.

Note: Students must take Health Education 110 - Cardiopulmonary Resuscitation (1 credit) or acquire training and receive a certificate of completion in the same area from a licensed public or private organization in order to complete the requirements for this certificate.

Proposed Advanced Behavioral & Cognitive Care Certificate of Completion (ABCC)

This certificate is designed to enhance the knowledge and develop the skills of direct care providers to work with older adults experiencing cognitive decline, dementia, and other challenging behavioral and cognitive conditions, in long term care, adult daycare, home, and community settings. The certificate would also be appropriate for any professionals working in aging services, to enhance their ability to work effectively with this population.

Credits earned in this Certificate of Completion fulfill part of the credits required for the one-year Gerontology Certificate and the AAS Gerontology Degree, and may also count toward degrees in nursing or other allied health fields.

Certificate Outcomes

- Work effectively as an advanced care provider with diverse individuals or groups of older adults with cognitive decline, dementia, and other challenging behavioral and cognitive conditions, in long term care, adult daycare, home and community settings
- Apply best practices for dealing with challenging cognitive and behavioral issues, following care plans, providing appropriate documentation and working collaboratively with all stakeholders, including multidisciplinary teams, medical and healthcare professionals, family and community members
- Conduct gerontological research relevant to advanced care issues, and apply the research to practice
- Adhere to professional and ethical care standards
- Continue to develop professional care knowledge and skills through continuing education and training

Certificate Courses

Course Number	Course Title	Credits
GRN181	Exploring the Field of Aging	2
Soc223	Sociology of Aging	4
Soc231	Health and Aging	4
Soc232	Death and Dying	4
AD105	Aging and Addiction	3
GRN280B	Internship Seminar	1
GRN280A	Internship	4*
GRN235	Advanced Care Issues	2
GRN236	Advanced Care Practice	2
Total Credits		**23-26 credits**

*   Up to 3 hours can be waived with documentation of 200 hours of related employment. Students applying for the Certificate should present evidence of prior experience and training to the Gerontology Program Advisor on application for the Certificate to determine eligibility for the waiver.

New Associate of Applied Science (AAS) Degree or Certificate Request Form

Proposed Degree/Certificate Title: Advanced Behavioral & Cognitive Care

Reason for New Degree/Certificate: Provides career path and skill development for direct care workers, resident assistants and home care providers

Requested Implementation Term: Fall 2008

Has Degree/Certificate been validated by the Advisory Committee?
☒ Yes   ☐ No   If No, explain

Proposed Degree/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

List Degree/Certificate Outcomes:

Sample Outcomes
• Demonstrate an ability to analyze one's own subjective experience, interpersonal relationships, and the social-cultural context.
• Upload, test and deploy web pages containing JavaScript

New Degree/Certificate Outcomes
• Work effectively as an advanced care provider with diverse individuals or groups of older adults with cognitive decline, dementia, and other challenging behavioral and cognitive conditions, in long term care, adult daycare, home and community settings
• Apply best practices for dealing with challenging cognitive and behavioral issues, following care plans, providing appropriate documentation and working collaboratively with all stakeholders, including multidisciplinary teams, medical and healthcare professionals, family and community members
• Conduct gerontological research relevant to advanced care issues, and apply the research to practice
• Adhere to professional and ethical care standards
• Continue to develop professional care knowledge and skills through continuing education and training

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

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

3. Social Science

List Degree/Certificate Coursework:

Course Number	Sample Course Title	Credit
CAS 110	Intro to Web Graphic-Fireworks	1
CAS 175	Introduction to Flash	3
Total Credits		4

Course Number	Course Title	Credit
	SEE ATTACHED FOR * EXPLANATION	
GRN181	Exploring the Field of Aging	2
SOC223	Sociology of Aging	4
SOC231	Sociology of Health and Aging	4
SOC232	Death & Dying: Culture and Issues	4
AD105	Aging and Addiction	3
GRN280B	Gerontology Internship Seminar	1
GRN280A	Gerontology Internship	1-4*
GRN235	Advanced Care Issues	2
GRN236	Advanced Care Practice	2
Total Credits		23-26*

For New Certificate's of 45 credits or more: Fill out Template for Related Instruction (http://www.pcc.edu/resources/academic/eac/degree/forms.html).

Impact on Other Areas of Instruction:
Have you talked to other area SACs?
☐ No   ☒ Yes   If Yes, explain how Conferred with AD SAC on inclusion of AD105 Aging and Addiction in the new Certificate of Completion

Contact Information:
Submitted by: Jan Abushakrah
Contact e-mail: jabushak@pcc.edu

Next Steps:
1. a. Save completed New AAS Degree/Certificate Request Form and Submit as an email attachment to curriculum@pcc.edu.
   b. If needed, attach Related Instruction Form (http://www.pcc.edu/resources/academic/eac/degree/forms.html) to the same email.

2. Download and print New AAS Degree/Certificate Signature Page Form (http://www.pcc.edu/resources/academic/eac/degree/forms.html) and get the appropriate signatures.

3. Staple signed New AAS Degree/Certificate Signature Page Form to a hard copy of New AAS Degree/Certificate Request Form (electronic version has already been sent in Step 1). Send both forms to Curriculum Office, Rock Creek Campus, Building 5, Room 114 via campus mail.

Associate of Applied Science/Certificate
Revision Request Form

Current Degree/Certificate Title: Associate of Applied Science Gerontology
Proposed Degree/Certificate Title:

Reason for Revision:
 Minor revision to add new Restricted Electives, and to modify Outcomes

Request Implementation Term: Fall 2008

List Current Degree/Certificate Prerequisites:
Sample

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

Current

Course Number	Course Title	Credit
None	None	None

Does Revision involve changing Degree/Certificate Prerequisites?
☒ No   ☐ Yes

If Yes, please list proposed prerequisites:
Proposed

Course Number	Course Title	Credit

Does Revision impact PCC Core Outcomes which Degree and/or Certificates support?
☒ No   ☐ Yes
If Yes, explain:

List Current Degree/Certificate Outcomes: (<u>REQUIRED</u> whether or not Outcomes are changing)
Sample

Current Degree/Certificate Outcome
• Develop JavaScript extensions to web pages • Upload, test and deploy web pages containing JavaScript

Current Degree/Certificate Outcome
• Acquire skills and knowledge to work effectively with and for elders as a gerontology professional, and as a family and community member. • Use gerontological research and theories to plan, implement, and contribute to programs, policies, and social change strategies for and with elders in professional, institutional and community settings. • Work with confidence in the professional field of gerontology, while developing a rewarding career and taking advantage of continuing learning opportunities.

Does Revision involve changing Degree/Certificate Outcomes?
☐ No   ☒ Yes

If Yes, list proposed outcomes:

Proposed Degree/Certificate Outcome
• Apply skills and knowledge to effective work with and for elders as a gerontology professional, and as a family and community member • Use gerontological research and theories to plan, implement, and contribute to programs, policies, and social change strategies for and with elders in professional, institutional and community settings • Communicate, collaborate, develop and access appropriate resources, while working with other professionals and with diverse stakeholders • Work as an age specialist in the area of one's prior work experience, credential or degree (if appropriate) • Adhere to professional and ethical standards appropriate to one's gerontological specialty, while managing one's career and taking advantage of continuing learning opportunities • Pursue higher education for a bachelor or master degree, beginning at the third-year level (if desired)

For Certificates, does Revision involve changing Related Instruction?
☒ No   ☐ Yes
If Yes, Fill out Template for Related Instruction
(http://www.pcc.edu/resources/academic/eac/degree/forms.html).

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

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

Does Revision involve changing coursework requirements?
☐ No   ☒ Yes

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

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

Current

Course Number	Course Title	Credit
	See Attached List	

Proposed

Course Number	Course Title	Credit
GRN165	RESTRICTED ELECTIVES ADDITIONS: Basic Activity Director Training	2

GRN235	Advanced Care Issues	3
GRN236	Advanced Care Practice	3
GRN265	Activity Professional Training 1	3
GRN266	Activity Professional Training 2	3
AD105	Aging and Addiction	3

Total Number of Credits in Degree/Certificate:
Current Credits: 90
Proposed Credits: 90

Contact Information:
Submitted by: Jan Abushakrah
Contact e-mail: jabushak@pcc.edu

Next Steps:
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GERONTOLOGY CERTIFICATE & DEGREE 2008-2009 – Changes Bold & Highlighted

One year Certificate: Gerontology

Students should take GRN181: Exploring the Field of Aging in their first or second term in the program. The **internship (cooperative education)** will provide a unique opportunity for the students to work directly with older adults in different settings. Certificate candidates who are currently working in the field with aging adults and have accumulated at least 200 hours of work experience may petition to receive credit up to 90 (3 credits) hours toward the required hours for worksite placement. Students must complete the program with a grade of "C" or better.

Core Courses: (28 credits)

GRN181	Exploring the Field of Aging	2 credits
GRN 282	Gerontology Professional Seminar	1 credit
PSY 215	Human Development	4 credits
Soc 223	Sociology of Aging	4 credits
Soc 230	Introduction to Gerontology	4 credits
Soc 231	Sociology of Health and Aging	4 credits
Soc 232	Death and Dying: Culture and Issues	4 credits
GRN280B	Gerontology Internship Seminar	1 credit
GRN280A	CE: Gerontology Internship	4 credits

Basic Competencies [Apply to Certificate]

WR 121*	English Composition	4 credits
MTH 20**	Basic Math	4 credits

*Or passing a writing course for which WR 121 is a prerequisite
**Or higher, or passing the PCC competency exam for MTH20

Electives (at least 8 credits from the following courses):

AD 101	Alcohol Use & Addiction	3 credits»
GRN165	**Basic Activity Director Training**	**2 credits**
GRN235	**Advanced Care Issues**	**2 credits**
GRN236	**Advanced Care Practice**	**2 credits**
SOC 204	Sociology in Everyday Life	4 credits»
SOC 205	Social Change & Social Institutions	4 credits

SOC 213	Diversity in the United States	4 credits»
PHL 207	Ethical Issues in Aging	4 credits»
PSY 101	Psychology and Human Relations	4 credits
PSY 214	Introduction to Personality	4 credits
PSY 222	Family & Intimate Relations	4 credits
MP 111	Medical Terminology	4 credits
HPE 295°	Health & Physical Fitness for Life	3 credits
HE 250	Personal Health	3 credits
BA 101	Introduction to Business	4 credits

° HPE295 requires on-campus initial, midterm and final assessments for Lab.
»These courses are required for the AAS Degree.

Choose one course from the following Restricted Electives*:

CAS 216	Beginning Word: WIN	3 credits
CAS 217	Advanced Word: WIN	3 credits
CAS 133	Basic Computer Skills/MS Office	4 credits
CAS 170	Excel	3 credits
CAS 140	Access	3 credits
CAS 230	Pagemaker	3 credits

*This requirement can be met through proof of comparable, work-based computer skills training.

Note: Students must take Health Education 110 - Cardiopulmonary Resuscitation (1 credit) or acquire training and receive a certificate of completion in the same area from a licensed public or private organization in order to complete the requirements for this certificate.

Associate of Applied Science: Gerontology
Students completing the one-year Gerontology Certificate will have also completed the first year's work toward the Associate degree in Gerontology. Students must meet college graduation requirements including General Education, math and English competencies.

General Education Requirements
All candidates must earn 16 credit hours of General Education. These credits must come from courses taken in the following distribution areas:

1. Arts & Humanities
2. Social Sciences
3. Mathematics, Natural and Physical Sciences

The 16 credit hours must include at least one course from each category and no more than 8 credit hours from any one category. Two of the required courses required in the Gerontology degree may also be used to meet the General Education requirement.

Basic Competencies [Apply for AAS Degree]

WR 121*	English Composition	4 credits
MTH 65**	Introductory Algebra	4 credits

*Or passing a writing course for which WR 121 is a prerequisite
**Or higher, or passing the PCC competency exam for MTH65

Required Courses (21 credits)

AD 101	Alcohol Use & Addiction	3 credits
PHL 207	Ethical Issues in Aging	4 credits
SOC 204	Gen Soc: Sociology in Everyday Life	4 credits
SOC 213	Diversity in the United States	4 credits
GRN280A	CE: Gerontology Internship	6 credits

Restricted Electives (choose 8 credits)

AD 102	Drug Use & Addiction	3 credits
AD 105	**Aging and Addiction**	**3 credits**
AD 154	Case Management & Addiction	3 credits
AD 156	Ethical & Professional Issues	3 credits
FT 102	Injury Prevention & Management	2 credits
FT 106	Analysis of Movement	3 credits
FT 131	Structure & Function of the Human Body	4 credits
FT 202	Fitness and Aging	3 credits
GRN265	**Activity Professional Training 1**	**3 credits**
GRN266	**Activity Professional Training 2**	**3 credits**

HE 252	First Aid: Basics and Beyond	3 credits
HE 212	Women's Health	3 credits
HE 213	Men's Health	3 credits
HE 242	Stress and Human Health	3 credits
HE 251	Community Health	3 credits
PSY 201	General Psychology	4 credits
PSY 202	General Psychology	4 credits
PSY 214	Introduction to Personality	4 credits
PSY 222	Family & Intimate Relations	4 credits
PSY 231	Human Sexuality	4 credits
PSY 232	Human Sexuality	4 credits
SOC 206	Social Problems	4 credits
SOC 218	Sociology of Gender	4 credits

PORTLAND COMMUNITY COLLEGE

Associate of Applied Science/Certificate
Revision Request Form

Current Degree/Certificate Title: Associate of Applied Science Nursing
Proposed Degree/Certificate Title: Same

Reason for Revision:
Conversion to Oregon Consortium of Nursing Education Curriculum to provide students with competecny based state wide coordinated curriculm and access to a streamlined articulation into higher ed. This application is for approval of the revision contigent on curriculum approval of courses in order to get prerequisite information into 2008-9 catalog, literature and on website for students to prepare for entry in 2010.

Request Implementation Term: Fall 2010

List Current Degree/Certificate Prerequisites:
Sample

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

Current

Course Number	Course Title	Credit
Bi 231	Human Anatomy & Physiology I	4
Bi 232	Human Anatomy & Physiology II	4
Bi 234	Microbiology	5
WR 121	English Compostition	4
Mth 65	Introductory Algebra	4
	Reading test	

Does Revision involve changing Degree/Certificate Prerequisites?
☐ No   ☒ Yes

If Yes, please list proposed prerequisites:
Proposed

Course Number	Course Title	Credit
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 225/270	Nutrition	4
MI 234	Microbiology	5
	Social Science (Recommend AATH 103)	4
	Humanities (Recommend PHL 205)	4

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

☒ No   ☐ Yes

If Yes, explain:

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

Sample

Current Degree/Certificate Outcome
• Develop JavaScript extensions to web pages • Upload, test and deploy web pages containing JavaScript

Current Degree/Certificate Outcome
• The graduate of the PCC Nursing Program will: • **Use an understanding of the bio-psychosocial cultural 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.** • **Organize and manage nursing care to groups og 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.**

Does Revision involve changing Degree/Certificate Outcomes?

☐ No   ☒ Yes

If Yes, list proposed outcomes:

Proposed Degree/Certificate Outcome

Professional Competencies:
1.   A competent nurse's personal and professional actions are based on a set of shared core nursing values through the understanding that...
 	
        1.1   Nursing is a humanitarian profession based on a set of core nursing values, including: social justice (from the ANA statement), caring, advocacy, respect for self and others, collegiality, and ethical behavior, and that a competent nurse embodies these values.
 	
        1.2   There are ethical dilemmas embedded in clinical practice; an obligation of nurses is to notice, interpret respond and reflect on these dilemmas using ethical principles and frameworks as a guideline.
 	
2.   A competent nurse develops insight through reflection, self-analysis, and self-care through the understanding that...
 	
        2.1   Ongoing reflection, critical examination and evaluation of one's professional and personal life improves nursing practice.
 	
        2.2   Reflection and self-analysis encourage self-awareness and self-care.

2.3   Pursuing and advocating healthy behaviors enhance nurses' ability to care for client.

3.   A competent nurse engages in ongoing self-directed learning with the understanding that...

3.1   Knowledge and skills are dynamic and evolving; in order to maintain competency one must continuously update.

3.2   There is an array of communication and information technologies available to enhance continuous learning, and it is essential to be able to use these effectively.

4.   A competent nurse demonstrates leadership in nursing and health care through the understanding that...

4.1   An effective nurse is able to take a leadership role to meet client needs, improve the health care system and facilitate community problem solving.

4.2   A competent nurse effectively uses management principles, strategies and tools

4.3   An effective nurse is skilled in working with assistive nursing personnel including the delegation of responsibilities and supervision.

5.   A competent nurse collaborates as part of a health care team through the understanding that...

5.1   The client is an essential member of the healthcare team.

5.2   Successful health care depends on a team effort, and collaboration with others in a collegial team is essential for success in serving clients.

5.3   Learning and growth depend on receiving and using constructive feedback; effective team members must be both open to feedback and able to give useful feedback in a constructive manner.

5.4   Supporting the holistic development of colleagues creates an environment that positively impacts client care.

6.   A competent nurse practices within, utilizes, and contributes to the broader health care system through the understanding that...

6.1   Professional nursing has a legally defined standard of practice.

6.2   The components of the system (e.g., resources, constraints, regulations) must be considered when coordinating care and developing interdisciplinary planning.

6.3   The effective nurse contributes to improvements of the health care system through the collection and analysis of data and involvement in policy decision-making processes and political activities.

6.4   An effective nurse contributes to improving access to health care.

6.5   Each nurse has the responsibility for effective and efficient management and utilization of health care resources.

6.6   Nurses establish and maintain networks to address structural barriers and improve health care delivery outcomes.

7.   A competent nurse practices relationship-centered care through the understanding that...

7.1   Effective care is centered around a relationship with the client that is based on: empathy and caring, a deep understanding of the care experience, developing mutual trust and respect for the autonomy of client.

7.2   The effectiveness of nursing interventions and treatment plans depends, in part, on the attitudes, beliefs and values of clients and these are influenced both by how professionals interact with clients and by the intervention itself.

7.3   Clients reflect the culture and history of their community and their broader population, and that these must be considered in developing nursing interventions.

8.   A competent nurse communicates effectively through the understanding that…

8.1   Effective use of therapeutic communication, to establish a caring relationship, to create a positive environment, to inform clients, and to advocate is an essential part of all interventions.

8.2   When working with colleagues or clients, it is important to insure that accurate and complete communication has occurred.

8.3   Successful communication requires attention to elements of cultural influences, variations in the use of language and a participatory approach.

9.   A competent nurse makes sound clinical judgments through the understanding that...

9.1   Noticing, interpreting and responding require use of best available evidence, a deep understanding of the client experience and community influences, recognition of contextual factors as well as one's own biases that may influence judgments, and sound clinical reasoning.

9.2   Effective nursing judgment is not a single event, but concurrent and recurrent processes that include assessment (data collection, analysis and diagnosis), community and client participation in planning, implementation, treatment, ongoing evaluation, and reflection.

9.3   Nurses select from a variety of frameworks and clarification systems to organizing data and knowledge for clinical judgment. The choice of framework for assessment and intervention take into account the client's age and cultural perspective, the individual and family capacity for involvement in care, the influence of community and the primary focus of care.

9.4   Clinical judgment involves the accurate performance of skills (cognitive, affective and psychomotor) in the delivery of care to clients while maintaining personal safety.

10.   A competent nurse, in making practice decisions, locates, evaluates and uses the best available evidence, coupled with a deep understanding of client experience and preferences, through the understanding that...

10.1   There are many sources of knowledge, including research evidence, standards

of care, community perspectives, practical wisdom gained from experience, which are legitimate sources of evidence for decision-making.

10.2.   Knowledge from the biological, social, medical, public health, and nursing sciences is constantly evolving; nurses need to update their knowledge continuously, using reliable, current sources of information.

10.3   Nurses need to know how to learn new interventions independently, because the definition of "best practice" of interventions is continuously modified, and new interventions are constantly being developed.
-

For Certificates, does Revision involve changing Related Instruction?
☐ No   ☐ Yes
If Yes, Fill out Template for Related Instruction (http://www.pcc.edu/resources/academic/eac/degree/forms.html).

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

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

Does Revision involve changing coursework requirements?
☐ No   ☒ Yes

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

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

Current

Course Number	Course Title	Credit
FN 270	Normal and Applied Clinical Nutrition	4
PSY 214	Introduction to Personality	4
PSY 215	Human Development	4
Bi 233	Human Anatomy & Physiology III	4
Bi 241	Pathophysiology	3
PHL 205	Contemporary Moral Problems: Biomedical Ethics	4
NUR 104	Introduction to Nursing	2
NUR 106	Foun Nursing/Client Self-Care	9
NUR 107	Psychosocial/Perioper Care	9
NUR 108	Chronic Health Care Needs	9
NUR 206	Acute Health Care/Family	9
NUR 207	Complex/Acute Health Care Need	9
NUR 208	Emergent Health Care Needs	8
	General education courses* 8 credit hours may come from prereqs	8

Proposed

Course Number	Course Title	Credit
NRS 110	Foundations of Nursing -Health Promotion	9
NRS 111	Foundations of Nursing in Chronic Illness I	6
NRS 112	Foundations of Nursing in Acute Care I	6
NRS 221	Nursing in Chronic Illness II and End-of-Life	9
NRS 222	Foundations of Nursing in Acute Care II and End-of-Life	9
NRS 224	Integrative Practicum I	9
NRS 230	Clinical Pharmacology I	3
NRS 231	Clinical Pharmacology II	3
NRS 232	Pathophysiological Processes I	3
NRS 233	Pathophysiological Processes II	3

Total Number of Credits in Degree/Certificate:
Current Credits: 107
Proposed Credits: 105

Contact Information:
Submitted by: Alisa Schneider, Nursing SAC Chair
Contact e-mail: alisa.schneider@pcc.edu

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

2. Download and print Associate of Applied Science/Certificate Revision Signature Page Form (http://www.pcc.edu/resources/academic/eac/degree/forms.html) and get the appropriate signatures.

3. Staple signed Associate of Applied Science/Certificate Revision Signature Page Form to a hard copy of Associate of Applied Science/Certificate Revision Request Form (electronic version has already been sent in Step 1). Send both forms to Curriculum Office, Rock Creek Campus, Building 5, Room 114 via campus mail.

OREGON CONSORTIUM FOR NURSING EDUCATION

Academic Standards
Approved for academic year 2007-2008
October 18, 2006

Admission Standards Policy

- ➢ Consortium partner schools will use shared standards in a point system and a set of core criteria for evaluation and selection of candidates to the consortium curriculum.
- ➢ Faculty in each partner school will make the admission decision based on the terms and standards in this document.
- ➢ An applicant admitted to a community college program partner will be considered co-admitted to OHSU. Students who are affirmed by the community college nursing faculty as having met the progression standards will be assured progression into the upper division work for the baccalaureate degree.
- ➢ Core criteria will include a grade point average (GPA) of 3.0 or better on at least 30 credits of prerequisites taken before application. If the applicant has taken more than the minimum 30 credits of prerequisites prior to the completed application, all prerequisite grades that have been completed will be included in the GPA calculation. Only the prerequisites will be calculated in the GPA for assessment of applicants for admission.
- ➢ Each individual prerequisite must have been achieved with a grade of C or better[1].
- ➢ Each partner school will determine policies for transcript evaluation for applicants whose prerequisites were taken at a college or university that does not use a letter grading system.
- ➢ Each partner school will determine policies for acceptable age of courses.
- ➢ Students may repeat courses in order to raise the GPA. The most recent grade will be used for GPA calculation whether it is higher or lower than previous grades.
- ➢ Anatomy and physiology grade, consistently correlated with success in nursing programs, will be assigned added points. The points will be assigned to the grade for A&P I with additional points for completion of all courses in the A&P sequence.
- ➢ Residency: The residency requirements of each partner school will be used in determining eligibility for application for admission to that school.
- ➢ Criminal History: The ONLC Education Committee document, Criminal History Check Guidelines, will be used in setting procedures and policies for admission and progression decisions.
- ➢ ADA Accommodation: Procedures and guidelines will be developed according to terms in the Intergovernmental Agreement for use in determining admission and reasonable accommodation for applicants with an ADA qualifying disability.

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[1] For purpose of OCNE academic policy, letter grades are used/recognized without +/- designation. Therefore, a C- would be an accepted grade for a prerequisite course.

> ➤ International students: If prerequisites were completed outside the United States, a course-by-course evaluation by a credential evaluation service is required.

Admissions Point System:

In phase 1, applicants will be assessed using 70 points in the following point scale. The top applicants (150 to 200% of available positions) will participate in a proctored essay, or a combination of proctored essay and interview. Faculty will use shared rubrics for assessment and assignment of an additional 30 points for the essay, or essay/interview. Consideration is being given to the development of a regional process for essay/interview.

1. GPA: A maximum of **40** points will be awarded. The recommended application deadline is February 15 with an official transcript verifying winter term grades (if applicable) due no later than the second Friday in spring term. The applicant must provide transcript(s) for a minimum of 30 credits of prerequisites or all prerequisites completed up to 45 credits. Only the prerequisites will be calculated in the GPA for assignment of points in the admission process. Points will be assigned using a linear equation, Points = 24*GPA – 56. **Examples** of the resulting point assignment to various GPA levels follow.

GPA	Equation	POINTS ASSIGNED
4.0	24*4.0-56 =	40
3.76	24*3.76-56 =	34.2
3.45	24*3.45-56 =	26.8
3.13	24*3.13-56 =	19.1
3.00	24*3.00-56 =	16

2. Anatomy and Physiology I Grade: A maximum of **5** points will be awarded to the grade for A&P I. If A&P I was repeated, the points will be awarded on the most recent grade for that course.

A&P Grade	POINTS ASSIGNED
A	5
B	3
C	0

3. Completion of A&P sequence: If the full sequence of A&P courses (I, II and III) have been completed with a grade of C or better, 5 additional points will be awarded

4. Prior Degree: Applicants who hold a prior degree will be awarded points as follows for the highest earned degree: 1 point for an associate degree, 2 points for a baccalaureate degree, or 3 points for a masters or higher degree.

5. Completion of all prerequisites: 5 points will be awarded if all prerequisites have been completed by the end of winter term (completion of application deadline, April 13, 2007).

6. Discretionary Points: Each partner school will be able to select the focus for 12 discretionary points. For example, if the college requires points for residency, some or all of the 12 points could be used for that purpose.

7. Proctored Essay or Proctored Essay/Interview: Up to **30** points will be awarded for the proctored essay, or essay/interview based on shared criteria/scoring rubric. Proposed factors to be used for development of the essay/interview questions, process and rubrics are:

Diversity: The applicant expresses understanding, respect for, and/or experience with varied backgrounds, cultures, ethnicity, and lifestyles.

Personal values: The applicant responds to situational questions in a manner that demonstrates integrity and values compatible with nursing core values and code of ethics.

Communication: The applicant conveys information, feelings, and opinions to others orally and/or in writing. Whether oral or written, information is organized and clear, with appropriate grammar and punctuation.

Motivational fitness: The applicant identifies expectations about nursing role and responsibilities that are congruent with reality, and demonstrates suitability to the role.

Tolerance for stress: The applicant describes strategies/behaviors that would enable maintaining stable performance under pressure.

Transferable skills: The applicant responds to situational questions in a manner that demonstrates skills such as problem solving, curiosity, leadership, critical thinking.

7. Each partner school will determine a tiebreaker to be used in the event that two or more applicant scores cluster at the cut-off point.

Recommended Progression Standards Policy:
1. Progression in the program requires a grade of C or better in all courses, and an overall GPA of 2.0. Each partner school has the option of allowing pass/no pass, as long as the "pass" is at C or better. Students will be required to place a transcript (may be unofficial for this purpose) in their portfolios on at least an annual basis to demonstrate attainment of the required GPA.
2. One single repeat opportunity will be provided, on a space available basis, for failure to obtain a C or better in a nursing course. A second incident of failure to obtain a C in a nursing course would result in dismissal. Factors that influence the decision to allow a student waiting for a repeat course to continue in the program in the meantime include, but may not be limited to the nature of the failure (e.g. clinical safety), whether the failed course is prerequisite to subsequent courses, and whether the subsequent courses would move the student to the next level. For example, the student who fails a 1st year level or sophomore level course may, in some circumstances, continue to take 1st year or sophomore level courses, but could not progress to 2nd year or junior level courses until all 1st year or sophomore level courses are successfully completed.
3. Conduct standards that may affect progression and dismissal would be in a shared policy (to be developed, e.g. plagiarism, cheating, verbal or physical abuse of others).

The curriculum committee has developed rubrics for assessment of the competencies on which the curriculum is based, as well as benchmarks to be achieved at specific points within the program. These rubrics and benchmarks will be piloted during the first year of curriculum implementation and may be incorporated in the progression standards after the results of the pilots are known.   A grading policy proposal has been developed and is attached for review and input.

Recommended Advanced Placement and Transfer Policy:

1. For transfer between consortium schools – on a space available basis: a) a student in good standing in one partner school, may transfer seamlessly at the beginning of an academic year. A referral is required to assure good standing, which includes meeting both academic and conduct standards. b) transfer at times other than beginning of an academic year, requires review of the student's program of study and documentation of competency attainment matched to the program of study in the new program. Supplemental study may be required to place the student at the appropriate level.

2. For advanced placement of non-consortium students – on a space available basis: a) all prerequisites would be required; comparable transcripted credits for prerequisites and general education would be recognized by college policy. b) advanced placement applicants would engage in a competency assessment process starting with competencies at the beginning of the nursing courses and placed in the program according to individual competency demonstration.

3. For students who completed a portion of the old curriculum and are seeking reentry – each partner school will determine whether and how the student's prior study fits with the new curriculum, and if appropriate, determine the placement based on competency assessment, bridge course work, or other remedial approaches as needed.

Recommended Student Conduct Policy:
1. The Consortium supports the Code of Conduct within each partner school for conduct associated with community living.   While there may be minor differences, these codes essentially require the student to function with integrity and professionalism.   As identified in the progression standards above, the Consortium would reach agreement about conduct standards that may result in dismissal.

In at least two areas, the Consortium sets a shared expectation among partner schools, as follows:
2. Students must abstain from use of alcohol and /or drugs that may affect safe and appropriate functioning in the following situations: a) before and during class and clinical lab, b) while in student uniform, and c) when in the clinical facility, including the time of patient selection or study of patient records.   Students must notify the instructor if taking prescription or over-the-counter medications that may have an adverse effect upon clinical performance. In any event, the instructor decides if the student can safely provide care and remain in the clinical setting.

3. In addition to any dress code within the partner school, students are expected to wear clinical attire not only when caring for patients, but also when in simulation and lab experiences.   Clinical appearance enhances the realism of the simulation experience and thereby enhances the learning.

Recommended Policy Related to Grievance Procedure:
The student's right to due process will be assured through the grievance procedure in either the community college or OHSU.   Complaints or grievances against or involving the community college administration, faculty, staff, services or facilities will use the community college institutional process or grievance procedure. Complaints or grievances against or involving OHSU administration, faculty, staff, services or facilities will use the OHSU institutional process or grievance procedure.

OREGON CONSORTIUM FOR NURSING EDUCATION

**Prerequisite Requirements for Students Applying for Admission to a
Nursing Program in a Partner School**
September 2006

Nursing Pre-requisites
Students are eligible to <u>apply</u> for admission to the nursing major after completion of 30 credits of courses from the prerequisite list. If the 30 credits will be completed during winter term, the student may submit an application by the February 15 deadline and the application will be complete only when the winter term transcript is submitted by the first Friday in spring term, April 13, 2007.   The 30 credits must include at least Anatomy and Physiology I. In addition, an applicant must have demonstrated the required Math competency. Students who are selected for admission to the nursing program must complete the remaining credits to a minimum of 45 credits of prerequisites (by category as indicated) prior to entering nursing courses. Failure to complete all 45 credits will result in forfeiture of acceptance to the program.   All credits must be at a C or better[1]. If a course has been repeated, the most recent grade will be considered.   Application to the nursing program requires a minimum GPA of 3.00 for all completed prerequisites.

<u>Anatomy and Physiology 12 credits</u>: A full sequence of human anatomy and physiology with laboratory, inclusive of all body systems. This sequence must be taken in its entirety. The first term of A&P must be completed prior to or concurrent with application to the nursing program (completed no later than winter term in the application year); the full sequence must be taken prior to the first nursing course*. Note: Chemistry or Biology may be required prior to the A&P sequence at some colleges/universities, please check individual college requirements.*

<u>Nutrition 3 credits</u>: Class should cover biological functions, dietary sources of essential nutrients and the relationship of diet to health.

<u>Written English/English Composition (WR 121 & 122 or equivalent) 6 credits</u>: Class should involve the development and support of ideas through the medium of written English. Remedial English such as sentence structure and punctuation will not be accepted as sufficient to meet the prerequisite. These courses are preparation for scientific or technical writing, which will be required later in the nursing program.

<u>Humanities, Social Science, or Natural Science 14 credits</u>: Selection of these electives may serve as a foundation for a focused area of study, and must include a minimum of at least six credits from the Social Sciences.

<u>Human Development 3 credits</u>: The developmental process of human life covering the full life span. Courses that cover only a part of the life span will not be accepted.

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[1] For purpose of OCNE academic policy, letter grades are used/recognized without +/- designation. Therefore, a C- would be an accepted grade for a prerequisite course.

Electives up to 7 credits: to meet the minimum 45 credits required for entry to nursing school. Electives may include math and foreign language, 100 level or higher, and may include additional course credits when a 4- or 5-credit course is taken to meet a 3-credit requirement. .

Required Competencies

Math 95 or higher: Competency for math 95 or above must be demonstrated for a completed application to the nursing program (no later than the April 15, 2007 deadline for submission of winter term official transcript). Competency may be demonstrated by a math placement test or by successful completion of Math 95 or higher. *Note: If taken for credit, Math 95 may be counted in the required 30-45 credits of prerequisites.   Math 95 credits are not applicable to credits for the Bachelor's degree; however, Math courses that are 100 or higher may be included in the credits that are applied both to the prerequisites and to the degree. The student is advised to consider the prerequisite for Statistics, which will be required later in the nursing program, in choosing a math course, if needed for the admission prerequisite.*

Basic Computer Literacy: Students are advised that success in a nursing program requires that students be computer literate, including at least word processing, use of spreadsheets, and web searches. In some colleges, computer proficiency is an admission requirement. Even when it is not, students without computer experience should seek out opportunities for remediation in this competency prior to entering the nursing program.

Foreign Language Proficiency Requirement: Language proficiency is a baccalaureate graduation requirement that can be met by 1) two years of the same language in high school, 2) two quarters of the same language at the college level, or 3) a language proficiency examination.   College level (100 and above) credits in the foreign languages count toward the 45 prerequisite credits as well as the associate degree and baccalaureate degree credits. Neither high school nor proficiency examination as a means of meeting the language requirement, count in the credits for prerequisites or for the degree. American Sign Language is an accepted language to meet the language requirement.

Students who speak English as a second language will meet the language requirement with demonstrated proficiency in both the primary language and English.   In some circumstances, the student may be required to demonstrate proficiency through examination in either the primary language or in English.

OREGON CONSORTIUM FOR NURSING EDUCATION

**Prerequisite Requirements for Students Applying for Admission to a
Nursing Program in a Partner School**
September 2006

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Students are eligible to <u>apply</u> for admission to the nursing major after completion of 30 credits of courses from the prerequisite list. If the 30 credits will be completed during winter term, the student may submit an application by the February 15 deadline and the application will be complete only when the winter term transcript is submitted by the first Friday in spring term, April 13, 2007.   The 30 credits must include at least Anatomy and Physiology I. In addition, an applicant must have demonstrated the required Math competency. Students who are selected for admission to the nursing program must complete the remaining credits to a minimum of 45 credits of prerequisites (by category as indicated) prior to entering nursing courses. Failure to complete all 45 credits will result in forfeiture of acceptance to the program.   All credits must be at a C or better[1]. If a course has been repeated, the most recent grade will be considered.   Application to the nursing program requires a minimum GPA of 3.00 for all completed prerequisites.

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<u>Human Development 3 credits</u>: The developmental process of human life covering the full life span. Courses that cover only a part of the life span will not be accepted.

---

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Basic Computer Literacy: Students are advised that success in a nursing program requires that students be computer literate, including at least word processing, use of spreadsheets, and web searches. In some colleges, computer proficiency is an admission requirement. Even when it is not, students without computer experience should seek out opportunities for remediation in this competency prior to entering the nursing program.

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Students who speak English as a second language will meet the language requirement with demonstrated proficiency in both the primary language and English.   In some circumstances, the student may be required to demonstrate proficiency through examination in either the primary language or in English.

Oregon Consortium for Nursing Education
Curriculum & Sample Program of Study for AAS Exit
Revised for PCC 11/13/07

Preqs to prereqs:
BI 112*-w/genetics (A&P's)-5
WR 115-(Wr 121)-4 placement test possible
Math 60- (Math 95)-4 placement test possible
Read 115- (general)- 3 placement test possible

	Fall	credits	Winter	credits		Spring	credits
Prereqs PCC **(45)**	Bi 231 A&P1 WR 121 PSY 215 Math 95 or higher	4 4 4 4 **16**	Bi 232 A&P2 WR 122 FN 225/270 (after Bi231)	4 4 4 **12**	**A P P L Y**	Bi 233 A&P3 SS- AATH 103** Hum-PHL 205*** Bi 234 Micro (Hum/SS/Natural)	4 4 4 5 **17**
1 **(33)**	NRS 110 Foundations of Nursing-Health Promotion (Hum/SS/Natural) If needed	9 (4) **9** **(12)**	NRS 111 Foundations of Nursing in Chronic Illness I NRS 230 Pharm I NRS 232 Pathophys I	6 3 3 **12**	NRS 112 Foundations of Nursing in Acute Care I NRS 231 Pharm II NRS 233 Pathophys II Year 01 Benchmark	6 3 3 **12**	
2 **(27)**	NRS 222 Nursing in Acute Care II & End-of-Life	9 **9**	NRS 221 Nursing in Chronic Illness II & End-of-Life	9 **9**	NRS 224 Scope of Practice & Preceptorship for AAS completion AAS Benchmark	9 **9**	
May not need	Humanities, Social or Natural Science	3-4? **12-13**	Humanities, Social or Natural Science	3-4? **12-13**	Humanities, Social or Natural Science	3-4? **12-13**	

Total credit hours AAS=105

- * covers OCNE Biology w/genetics requirement
- **required for current Linfield articulation
- *** recommended (currently require)

Associate of Applied Science/Certificate
Revision Request Form

Current Degree/Certificate Title: One-Year Certificate: Building Inspection Technology - One & Two Family Dwelling Examiner

Proposed Degree/Certificate Title: One-Year Certificate: Building Inspection Technology - Residential Structural and Mechanical Inspection and Plans Examination

Reason for Revision:
 To accurately reflect the focus of the certificate, coordinate with typical employment requirements, and to respond to State changes in certification and experience requirements for employment.

Request Implementation Term: Spring 2008

List Current Degree/Certificate Prerequisites:
Sample

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

Current

Course Number	Course Title	Credit

Does Revision involve changing Degree/Certificate Prerequisites?
☒ No   ☒ Yes

If Yes, please list proposed prerequisites:
Proposed

Course Number	Course Title	Credit
	See attached	

Does Revision impact PCC Core Outcomes which Degree and/or Certificates support?
☒ No   ☐ Yes
If Yes, explain:

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

Current Degree/Certificate Outcome
• Develop JavaScript extensions to web pages • Upload, test and deploy web pages containing JavaScript

Current Degree/Certificate Outcome
• Complete a successful internship with a local inspections jurisdiction. • Complete with a passing grade the appropriate national and/or state licensing exam(s). • Understand professional and ethical responsibilities.

• Function and communicate effectively one-on-one and within team of group settings. • Use appropriate techniques, skills and tools as needed in a work environment. • Interpret and apply architectural and engineering drawings in performance of building inspections. • Apply knowledge of construction and structures in the performance of building inspections. • Obtain employment in the Building Inspections field. • Complete successfully, education and practices to maintain inspection licenses. • Participate in life-long learning.

Does Revision involve changing Degree/Certificate Outcomes?

☐ No   ☒ Yes

If Yes, list proposed outcomes:

Proposed Degree/Certificate Outcome
• Reflect on professional and ethical responsibilities • Facilitate effective communication withing group setting and onoe-on-one with skillful application of verbal, non-verbal and written communication. • Actively build skills in use of appropriate inspection and plan review techniques need to work in a code enforcement enviroment • Demonstrate knowledge, skills and disposition necessary to obtain employment in the residential code enforcement field. • Apply and continue to expand knowledge of residential construction and systems. • Complete with a passing grade appropriate state and national certification exams. • Participate in life-long learning.

For Certificates, does Revision involve changing Related Instruction?

☒ No   ☐ Yes

If Yes, Fill out Template for Related Instruction
(http://www.pcc.edu/resources/academic/eac/degree/forms.html).

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

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

Does Revision involve changing coursework requirements?

☒ No   ☐ Yes

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

Sample

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

Current

Course Number	Course Title	Credit
	see attached	

Proposed

Course Number	Course Title	Credit
	see attached	

Total Number of Credits in Degree/Certificate:
Current Credits: 45-47
Proposed Credits: 43

Contact Information:
Submitted by: Debra Anderson
Contact e-mail: debra.anderson4@pcc.edu

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

2. Download and print Associate of Applied Science/Certificate Revision Signature Page Form (http://www.pcc.edu/resources/academic/eac/degree/forms.html) and get the appropriate signatures.

3. Staple signed Associate of Applied Science/Certificate Revision Signature Page Form to a hard copy of Associate of Applied Science/Certificate Revision Request Form (electronic version has already been sent in Step 1). Send both forms to Curriculum Office, Rock Creek Campus, Building 5, Room 114 via campus mail.

Existing Certification Requirements

One-and Two- Family Dwelling Combination: Structural and Mechanical Inspection Certificate
45-47 Credit

INSP 151	International Residential Code Structural	4
INSP 152	International Residential Code Mechanical	2
ARCH 161	Blueprint Reading - Part 1	2
ARCH 162	Blueprint Reading - Part 2	2
ARCH 122	Structural Systems 2	4
ARCH 123	Structural Systems 3	4
ARCH 124	Introduction to Building Systems	3
INSP 202	Plans Exam - Residential	4
INSP 280B	CE: Field Experience	8
MSD 105	Interpersonal Communication	3
CG 209	Job Finding Skills	1
CIS 120	Computer Concepts	4
PSY 101	Psychology & Human Relations	3-4
WR 121	English Composition	3-4

Current courses – strikethrough for those to be eliminated

One-and Two- Family Dwelling Combination: Structural and Mechanical Inspection Certificate
45-47 Credit

INSP 151	International Residential Code Structural	4	
INSP 152	International Residential Code Mechanical	2	
ARCH 161	Blueprint Reading - Part 1	2	
~~ARCH 162~~	~~Blueprint Reading - Part 2~~	~~2~~	
ARCH 122	Structural Systems 2	4	
ARCH 123	Structural Systems 3	4	
~~ARCH 124~~	~~Introduction to Building Systems~~	~~3~~	
INSP 202	Plans Exam - Residential	4	
INSP 280B	CE: Field Experience	~~8~~	change to 10
~~MSD 105~~	~~Interpersonal Communication~~	~~3~~	
CG 209	Job Finding Skills	1	
~~CIS 120~~	~~Computer Concepts~~	~~4~~	
~~PSY 101~~	~~Psychology & Human Relations~~	~~3-4~~	
~~WR 121~~	~~English Composition~~	~~3-4~~	

(31 credits remain)

Courses to be added

ARCH 121	Structural Systems 1	2
CAS 216	Beginning WORD	3
INSP 155	Introduction to Residential Inspection	1

Choose any 6 credits from the list below

MSD 105	Interpersonal Communication	3
MSD 130	Creative Problem Solving	3
MSD 110	Gender Conflict Resolution	1
MSD 119A	Intercultural Communication	1
MSD 151	Dealing with Difficult People	1
MSD 157	Conflict Management	1
MSD 160A	Communication Styles	1
MSD 150	Listening Skills	1
MSD 175B	Direct Comm. in Workplace	1
MSD 176	Non-verbal Communication	1

(12 credits added)

Proposed 1-year Certificate

Residential Building and Mechanical Inspection and Plans Examination
43 Credits

INSP 151	International Residential Code Structural	4
INSP 152	International Residential Code Mechanical	2
INSP 155	Introduction to Residential Inspection	1
INSP 202	Plans Exam - Residential	4
INSP 280B	CE: Field Experience	10
ARCH 161	Blueprint Reading - Part 1	2
ARCH 121	Structural Systems 1	2
ARCH 122	Structural Systems 2	4
ARCH 123	Structural Systems 3	4
CG 209	Job Finding Skills	1
CAS 216	Beginning WORD	3

Choose any 6 credits from the list below

MSD 105	Interpersonal Communication	3
MSD 130	Creative Problem Solving	3
MSD 110	Gender Conflict Resolution	1
MSD 119A	Intercultural Communication	1
MSD 151	Dealing with Difficult People	1
MSD 157	Conflict Management	1
MSD 160A	Communication Styles	1
MSD 150	Listening Skills	1
MSD 175B	Direct Comm. in Workplace	1
MSD 176	Non-verbal Communication	1

PORTLAND COMMUNITY COLLEGE

Associate of Applied Science/Certificate
Revision Request Form

Current Degree/Certificate Title: Web Site Development Certificate
Proposed Degree/Certificate Title: Web Site Development and Design Certificate

Reason for Revision:
 The 2-year Web Site Development and Design Degree (AAS) was officially approved by the state earlier this fall. They also approved two short-term Certificates of Completion, which included "Development and Design" in the titles. We are making a few changes in the one-year certificate so the title aligns with the other degrees and all of the courses will count toward the two-year degree.

Request Implementation Term: Winter 2008

List Current Degree/Certificate Prerequisites:
Sample

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

Current

Course Number	Course Title	Credit
n/a	n/a	n/a

Does Revision involve changing Degree/Certificate Prerequisites?
☒ No   ☐ Yes

If Yes, please list proposed prerequisites:
Proposed

Course Number	Course Title	Credit

Does Revision impact PCC Core Outcomes which Degree and/or Certificates support?
☒ No   ☐ Yes
If Yes, explain:

List Current Degree/Certificate Outcomes: (<u>REQUIRED</u> whether or not Outcomes are changing)
Sample

Current Degree/Certificate Outcome
• Develop JavaScript extensions to web pages • Upload, test and deploy web pages containing JavaScript

Current Degree/Certificate Outcome
• Demonstrate competence in business-level communication skills • Demonstrate proficiency in key web site development tools • Demonstrate familiarity in a variety of additional web site development tools • Demonstrate familiarity with business issues, especially as they relate to web

site development.
- Identify key issues in telecommunications, security and scalability
- Identify key design issues including human factors, visual interface, customer and business partner considerations.

Does Revision involve changing Degree/Certificate Outcomes?
☒ No   ☐ Yes

If Yes, list proposed outcomes:

Proposed Degree/Certificate Outcome
•

For Certificates, does Revision involve changing Related Instruction?
☒ No   ☐ Yes
If Yes, Fill out Template for Related Instruction
(http://www.pcc.edu/resources/academic/eac/degree/forms.html).

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

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

Does Revision involve changing coursework requirements?
☐ No   ☒ Yes

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

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

Current

Course Number	Course Title	Credit
The format of this degree does not fit this form. Please see attached pages (from the PCC catalog) for complete course list.	See attached pages from PCC catalog.	

Proposed

Course Number	Course Title	Credit
The format of this degree does not fit this	1) Move CAS 110 from "Required Courses" to "Restricted Electives"	

form. Please see changes on the right.	2) Move CAS 246 from "Required Courses" to "Restricted Electives" 3) Add CAS 215 (Cascading Style Sheets) to "Required Courses" (note: CAS 215 approved by Curriculum Committee 11/07).	

Total Number of Credits in Degree/Certificate:
    Current Credits: 48
    Proposed Credits: 48

Contact Information:
    Submitted by: Ron Bekey
    Contact e-mail: rbekey@pcc.edu

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

2. Download and print Associate of Applied Science/Certificate Revision Signature Page Form (http://www.pcc.edu/resources/academic/eac/degree/forms.html) and get the appropriate signatures.

3. Staple signed Associate of Applied Science/Certificate Revision Signature Page Form to a hard copy of Associate of Applied Science/Certificate Revision Request Form (electronic version has already been sent in Step 1). Send both forms to Curriculum Office, Rock Creek Campus, Building 5, Room 114 via campus mail.

Web Site Development Certificate
- Minimum 48 credits.

CAREER AND PROGRAM DESCRIPTION

A Web Site Development Certificate is intended to meet business career needs for entry-level positions that assist web site developers, HTML programmers, web designers, web producers, and web technologists. Certificate completers will be able to create functional web sites and assist in the production of professional dynamic web sites. Administrative support personnel and entrepreneurs will gain the necessary skills to develop and manage departmental and personal web sites.

Certificate Outcomes

Students who successfully complete the Web Site Development Certificate will develop skills and knowledge appropriate to an entry-level position in a web-related career. Students will also gain "hands-on" experience of the applications used to produce professional web sites.

PROGRAM PREREQUISITES AND REQUIREMENTS

Students must be competent with basic composition and math skills, word processing, spreadsheet, and basic formatting skills for common office documents. Basic browser navigation, searching the web, and file management skills are also essential to be successful in this program. Recommended classes to obtain these skills: WR 121, MTH 20, CAS 104, CAS 133, CAS 170, CAS 216, OS 120, BA 101, BA 131. All CAS/OS courses applied to this certificate must be passed with a "C" grade or better.

COURSE OF STUDY

Programs are located at Cascade, Rock Creek, and Sylvania campuses. The program is targeted to students and working professionals who wish to specialize in web site creation and maintenance.

These courses are not listed in the order in which they should be completed. It is critical that you see a CAS/OS instructor or pick up a "Recommended Course Sequence" planning sheet to use when planning your schedule. Recommended course sequences will differ from campus to campus.

Required Courses - Minimum 36 credits

CAS 110	Introduction to Web Graphics Fireworks	1
	or	
CAS 208	Beginning Photoshop for the Web	3
CAS 111D	Beginning Web Site Creation: Dreamweaver	3
CAS 112D	Intermediate Dreamweaver	3
CAS 175	Introduction to Flash	3
CAS 206	Principles of HTML/XHTML	4
CAS 246	Integrated Computer Projects	4
CAS 280W	CE: Work Experience	2
CIS 178	Applied Internet Concepts	4
BA 207	Introduction to E-Commerce	4
	or	
CIS 243	Essentials of E-Commerce Information Systems	4
MM 120	Multimedia Design	2
BA 205	Solving Communication Problems with Technology	4
	or	
MM 270	Writing for Multimedia	3
BA 223	Principles of Marketing	3
	or	
BA 239	Advertising	3

Restricted Electives - Total to equal 12 credits

CAS 111F	Beginning Web Site Creation: FrontPage	3
CAS 213	Enhancing Web Pages with JavaScript	4
CAS 214	Beginning ColdFusion	4
MM 130	Multimedia Graphics Video & Audio Production	3
MM 140	Multimedia Authoring I	3
MM 230	Graphics for Multimedia	4
MM 231	Vector Graphics & Animation for the World Wide Web	3

ASSOCIATE OF APPLIED SCIENCE/CERTIFICATE REVISION SIGNATURE PAGE

_____ RECOMMENDED ( ) NOT RECOMMENDED** ( )
SAC CHAIR (signature indicates full SAC approval)

_____
DATE

_____RECOMMENDED ( ) NOT RECOMMENDED** ( )
SAC ADMINISTRATIVE SUPPORT

_____
DATE

Please attach this page to the New AAS Degree/Certificate Request Form and mail to the Curriculum Office, Rock Creek Campus 5/114 via campus mail.

_____RECOMMENDED ( ) NOT RECOMMENDED** ( )
EAC DEGREES & CERTIFICATE COMMITTEE

_____
DATE

_____RECOMMENDED ( ) NOT RECOMMENDED** ( )
DEAN OF INSTRUCTION

_____
DATE

_____RECOMMENDED () NOT RECOMMENDED** ( )
CAMPUS PRESIDENT

_____
DATE

_____RECOMMENDED ( ) NOT RECOMMENDED** ( )
EAC COMMITTEE CHAIR

_____
DATE

_____ APPROVED ( ) NOT APPROVED** ( )
VICE PRESIDENT for ACADEMIC and STUDENT AFFAIRS

_____   _____
DATE   IMPLEMENTATION TERM

**Indicate Reason(s):

<div align="center">

PORTLAND COMMUNITY COLLEGE

Associate of Applied Science/Certificate
Revision Request Form

</div>

Current Degree/Certificate Title: AAS: Web Site Development and Design
Proposed Degree/Certificate Title: (same--no change)

Reason for Revision:
 The 2-year Web Site Development and Design Degree (AAS) was officially approved by the state earlier this fall. We had a new class (Cascading Style Sheets and DHTML) under development which had not been approved by the Curriculum Committee at that time. Now that it has been approved, we want to add it to the certificate. We also found out that one of the business classes we put in the degree is not offered every term, so we want to offer the same choice of two business classses that we offer in the 1-year web certificate.

Request Implementation Term: Winter 2008

List Current Degree/Certificate Prerequisites:
Sample

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

Current

Course Number	Course Title	Credit
n/a	n/a	n/a

Does Revision involve changing Degree/Certificate Prerequisites?
☒ No   ☐ Yes

If Yes, please list proposed prerequisites:
Proposed

Course Number	Course Title	Credit

Does Revision impact PCC Core Outcomes which Degree and/or Certificates support?
☒ No   ☐ Yes
If Yes, explain:

List Current Degree/Certificate Outcomes: (<u>REQUIRED</u> whether or not Outcomes are changing)
Sample

Current Degree/Certificate Outcome
• Develop JavaScript extensions to web pages • Upload, test and deploy web pages containing JavaScript

Current Degree/Certificate Outcome
• Communicate effectively about web-related topics • Develop web pages and web sites that meet industry standards

•	Demonstrate basic competence in web design
•	Demonstrate advanced expertise in either web programming or web design
•	Design and complete a web-related project.

Does Revision involve changing Degree/Certificate Outcomes?
☒ No   ☐ Yes

If Yes, list proposed outcomes:

Proposed Degree/Certificate Outcome
•

For Certificates, does Revision involve changing Related Instruction?
☒ No   ☐ Yes
If Yes, Fill out Template for Related Instruction
(http://www.pcc.edu/resources/academic/eac/degree/forms.html).

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

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

Does Revision involve changing coursework requirements?
☐ No   ☒ Yes

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

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

Current

Course Number	Course Title	Credit
The format of this degree does not fit this form. Please see attached pages (from the PCC catalog) for complete course list.	See attached pages from PCC catalog.	

Proposed

Course Number	Course Title	Credit
The format of this degree does not fit this form. Please	1) Change BA 223 (Principles of Marketing, 3 cr) to *either* BA 223 *or* BA 239 to match the certificate (it currently says BA 223 only). BA 239 is Advertising, also 3 credits.	

see changes on the right.	2) Add CAS 215 (Cascading Style Sheets) to "Required Courses" (note: CAS 215 approved by Curriculum Committee 11/07). Please note that this does not change the total credits in the degree. It simply means that the student will take 3 fewer credits in the "electives".	

Total Number of Credits in Degree/Certificate:
    Current Credits: 93
    Proposed Credits: 93

Contact Information:
    Submitted by: Ron Bekey
    Contact e-mail: rbekey@pcc.edu

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

2. Download and print Associate of Applied Science/Certificate Revision Signature Page Form (http://www.pcc.edu/resources/academic/eac/degree/forms.html) and get the appropriate signatures.

3. Staple signed Associate of Applied Science/Certificate Revision Signature Page Form to a hard copy of Associate of Applied Science/Certificate Revision Request Form (electronic version has already been sent in Step 1). Send both forms to Curriculum Office, Rock Creek Campus, Building 5, Room 114 via campus mail.

math competency exam).

CAREER AND PROGRAM DESCRIPTION

Web design and development represents a significant and growing industry segment that combines computer programming, extensive knowledge of software applications and proficiency in multimedia techniques. This program prepares students to plan, create, manage, supervise, and market web-based business operations, products, and services. These skills are transferable to a wide variety of web-related careers.

AAS Degree Outcomes

The Computer Applications/Office Systems (CAS/OS), Computer Information Systems (CIS) and Multi-Media (MM) departments have partnered to create an Associate of Applied Science (AAS) two-year degree option. This interdisciplinary degree option combines back-end programming and development skills with front-end design skills to prepare students for a wide variety of web-related careers. Furthermore, students in this program will learn the designing, implementing, testing, and troubleshooting skills needed for web site construction and e-commerce applications, as well as incorporating multimedia techniques into web sites with audio and video applications.

In addition to foundational Web Design and Development skills, this program has two distinct focuses for students to choose from:

Web Development – This emphasis will focus on web application development, networking, and server setup.

Web Design – This emphasis will focus on multimedia, graphical as well as layout aspects of web site design.

COURSE OF STUDY

All students must complete General Education and Development and Design Requirements. Students will choose either the Development Emphasis or the Design Emphasis. Students must take all courses listed under Requirements for the chosen emphasis. They must also choose sufficient credits from the Electives section to make up the rest of the 93 credits for the degree.

Development and Design Requirements- 52 credits minimum

CAS 111D	Beginning Web Site Creation: Dreamweaver	3
CAS 112D	Intermediate Dreamweaver	3
CAS 206	Principles of HTML/XHTML	4
CIS 120	Computer Concepts I	4*
CIS 121	Computer Concepts II	4*
CIS 178	Applied Internet Concepts	4
MM 120	Multimedia Design	2
CAS 208	Beginning PhotoShop for the Web	3
BA 207	Introduction to E-Commerce	4
or		
CIS 243	E-ssentials of E-Commerce Information Systems	4
BA 223	Principles of Marketing	3
BA 205	Solving Communication Problems with Technology	4
or		
MM 270	Writing for Multimedia	3
or		
WR 227	Technical Writing I	4
BA 101	Introduction to Business	4

AAS Web Site Development and Design *(Pending State Approval)*

Minimum 93 credit hours which includes 77 credit hours of required program courses plus General Education credit hours and electives. Students must also meet Associate Degree Comprehensive Requirements and Associate of Applied Science Requirements. This includes Math 65 (not required if students have passed the

CAS 280W	Cooperative Education:
	Web Site Development	4
MSD 279	Project Management	3
WR 121	English Composition	4

| | Video and Audio Files | 3 |
| MM 245 | Internet Delivery Methods | 3 |

Any other course in either emphasis area

* Up to 2 of these classes may be used toward General Education requirements.

Development Emphasis Requirements-
28 credits

CAS 213	Enhancing Web Pages with
	JavaScript	4
or		
CIS 233S	Internet Web Page Scripting	4
CAS 214	Beginning ColdFusion	4
or		
CIS 234S	Web Application Development
	Using .NET	4
or		
CIS 195P	PHP Web Development I	4
CIS 122	Software Design	4
CIS 133B	Introduction to Visual Basic .NET
	Programming	4
or		
CIS 133J	Java Programming I	4
CIS 125D	Database Application
	Development I	4
CIS 287I	Web Server Administration	4
CIS 179	Data Communication Concepts I	4

Design Emphasis Requirements- - 27 credits

CAS 175	Introduction to Flash	3
ART 115	Basic Design	3*
ART 116	Basic Design	3*
MM 130	Multimedia Graphic Video
	and Audio Production	3
MM 140	Multimedia Authoring I	3
MM 160	Marketing Yourself as a
	Multimedia Professional	2
MM 220	Multimedia Design II	3
MM 230	Graphics for Multimedia	4
MM 231	Vector Graphics & Animation
	for the World Wide Web	3

Development and Design Electives - Choose classes to make
93 credits total

CIS 275	Data Modeling and
	SQL Introduction	4
CIS 276	Advanced SQL	4
CIS 233B	Intermediate Visual Basic .NET
	Programming	4
or		
CIS 233J	Java Programming II	4
CIS 234B	Advanced Visual Basic .NET
	Programming	4
or		
CIS 234J	Java Programming III	4
ART 140	Digital Photography	3
ART 197	Artist's Skills/Practical Issues	3
MM 235	Digital Video Editing and
	Production	3
MM 236	Internet Delivery of Digital

ASSOCIATE OF APPLIED SCIENCE/CERTIFICATE REVISION SIGNATURE PAGE

_____ RECOMMENDED ( ) NOT RECOMMENDED** ( )
SAC CHAIR (signature indicates full SAC approval)

_____
DATE

_____RECOMMENDED ( ) NOT RECOMMENDED** ( )
SAC ADMINISTRATIVE SUPPORT

_____
DATE

Please attach this page to the New AAS Degree/Certificate Request Form and mail to the Curriculum Office, Rock Creek Campus 5/114 via campus mail.

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EAC DEGREES & CERTIFICATE COMMITTEE

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CAMPUS PRESIDENT

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VICE PRESIDENT for ACADEMIC and STUDENT AFFAIRS

_____   _____
DATE   IMPLEMENTATION TERM

**Indicate Reason(s):