All students will be required to earn a minimum of 90 credits and a 2.00 grade point average to graduate.

Updated 06/2010
### Pre-Major Program [NS]:

#### Physics Sequence

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 121</td>
<td>College Physics I</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>College Physics II</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 123</td>
<td>College Physics III</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 201</td>
<td>Physics for Sci &amp; Eng I</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 202</td>
<td>Physics for Sci &amp; Eng II</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 203</td>
<td>Physics for Sci &amp; Eng III</td>
<td>5</td>
</tr>
</tbody>
</table>

#### Natural Science

**AGRICULTURE**
- AGPR 101 * Intro to Environ Sciences 5
- AGPR 201 Basic Soil Science 5

**ASTRONOMY**
- ASTR 110 The Solar System 5
- ASTR 115 Stellar Astronomy 5
- ASTR 120 Galaxies, the Universe & Cosm 5

**BIOLOGY**
- BIOL 100 Survey of Biology 5
- BIOL 121 * Biology of Women 3 (non lab)
- BIOL 130 General Ecology 5
- BIOL 160 General Biology 5
- BIOL 175 Human Biology 5
- BIOL 202 Vertebrate Zoology 5
- BIOL 205 Introduction to Animal Behavior 5
- BIOL 211 Majors Cellular 5
- BIOL 212 Majors Animal 5
- BIOL 213 Majors Plant 5
- BIOL 221 Systematic Botany (Plant ID) 5

**CHEMISTRY**
- CHEM 110 Chemical Concepts 5
- CHEM 121 Intro to Chemistry 5
- CHEM 122 Intro to Organic Chemistry 5
- CHEM 123 Intro to Biochemistry 5
- CHEM 161 General Chemistry I 5
- CHEM 162 General Chemistry II 5
- CHEM 163 General Chemistry III 5

**ENVIRONMENTAL SCIENCE**
- ENV&S 101 * Intro to Environ Sciences 5

**GEOLOGY**
- GEOG 101 Intro Physical Geology 5
- GEOG 103 Historical Geology 5
- GEOG 110 Environmental Geology 5
- GEOG 115 Survey of Earth Science 5
- GEOG 130 Hist of Life on Earth 5 (non lab)
- GEOG 208 Geology of the Pacific NW 5

**CHEMISTRY**
- CHEM& 110 Chemical Concepts 5
- CHEM& 121 Intro to Chemistry 5
- CHEM& 122 Intro to Organic Chemistry 5
- CHEM& 123 Intro to Biochemistry 5
- CHEM& 161 General Chemistry I 5
- CHEM& 162 General Chemistry II 5
- CHEM& 163 General Chemistry III 5

**ENVIRONMENTAL SCIENCE**
- ENV&S 101 * Intro to Environ Sciences 5

**GEOLOGY**
- GEOG 101 Intro Physical Geology 5
- GEOG 103 Historical Geology 5
- GEOG 110 Environmental Geology 5
- GEOG 115 Survey of Earth Science 5
- GEOG 130 Hist of Life on Earth 5 (non lab)
- GEOG 208 Geology of the Pacific NW 5

**NUTRITION**
- NUTR& 101 Nutrition 5 (non lab)

**OCEANOGRAPHY**
- OCEA& 101 Intro to Oceanography 5

**PHYSICS**
- PHYS 110 Conceptual Physics 5
- PHYS 121 College Physics I 5
- PHYS 122 College Physics II 5
- PHYS 123 College Physics III 5
- PHYS 201 Physics for Sci & Eng I 5
- PHYS 202 Physics for Sci & Eng II 5
- PHYS 203 Physics for Sci & Eng III 5

**WOMEN'S STUDIES**
- WST 121 * Biology of Women 3 (non lab)

### Quantitative Skills [Q]:

**MATH**
- MATH& 151 Calculus I 5
- MATH& 152 Calculus II 5
- MATH& 153 Calculus III 5
- MATH 201 Intro to Statistics 5
- MATH 220 Linear Algebra 5
- MATH 238 Differential Equations 5
- MATH& 254 Calculus IV 5

### Electives:

29 credits

The remaining twenty-nine (29) credits must be approved academic electives and should be planned with the help of an advisor based on the requirements of the specific discipline at the baccalaureate institution where the student plans to attend. For transferring students, 24 of the 29 credit total must be fully transferable as defined by the ICRC guidelines for the Direct-Transfer agreement to be honored by four-year institutions in Washington. A maximum of 5 credits of restricted elective courses will be accepted.

### Physical Ed [PE]:

Three (3) unduplicated activity classes required. Waived for military service and by physician recommendation only. A maximum of six (6) physical education activity credits will be counted toward the AS Degree.

**Activity Classes**
- HPER and DANCE 100-199

---

**Important Notice:** The Associate in Science Transfer (AS-T) Degree, Option II is designed to prepare students for upper division study in the areas of engineering, computer science, physics, and atmospheric science. Completing the AS-T degree will prepare students for upper division study; it does not guarantee students admission to the major. A cumulative GPA of 2.0 or higher is required for successful completion of this degree.

Students completing this AS-T will receive the same priority consideration for admission to the baccalaureate institution as they would for completing the Associate in Arts DTA Degree and will be given junior status by the receiving institution. Additional general education requirements, cultural diversity requirements, and foreign language requirements, as required by the transfer institution, must be met prior to the completion of a baccalaureate degree. Students need to meet with department advisors at the baccalaureate institution to determine an appropriate educational plan.

**This is an Advising Tool Only.**

For the most current information see: [www.wwcc.edu/programs](http://www.wwcc.edu/programs)
### COMMUNICATIONS [C]:

<table>
<thead>
<tr>
<th>ENGLISH I &amp; II</th>
<th>Communication Studies</th>
<th>Sociology Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101</td>
<td>CMST 102: Interpersonal Communication</td>
<td>CMST 220: Public Speaking</td>
</tr>
<tr>
<td>ENGL 102</td>
<td>CMST 105: Oral Interpretation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CMST 201: Intercultural Communication</td>
<td></td>
</tr>
</tbody>
</table>

A minimum of five (5) credits in Humanities, a minimum of five (5) credits in Social Sciences, plus an additional five (5) credits in either Humanities or Social Sciences.

### HUMANITIES & SOCIAL SCIENCES

#### HUMANITIES [H] [HP]:

- **ART**
  - ART& 100: Art Appreciation 5
  - ART 124*: Women in Art History 5
  - ART 127: History of Western Art I 5
  - ART 128: History of Western Art II 5
  - ART 129: History of Western Art III 5

- **COMMUNICATIONS**
  - CMST 102: Interpersonal Communication 3
  - CMST 105: Oral Interpretation 3
  - CMST 201: Intercultural Communication 5

#### SOCIAL SCIENCE [S]:

- **ANTHROPOLOGY**
  - ANTH 100: Survey of Anthropology 5
  - ANTH 206: Cultural Anthropology 5

- **BUSINESS**
  - BUS& 101: Intro to Business 5

- **CRIMINAL JUSTICE**
  - CJ 112: Criminology 5
  - CJ 202: Crime & Delinquency 5

- **ECONOMICS**
  - AGRI 201: Microeconomics in Agriculture 5
  - ECON 100: Survey of Economics 5
  - ECON& 201: Micro Economics 5
  - ECON& 202: Macro Economics 5

- **EDUCATION**
  - EDUC& 202: Intro to Education 5

- **GEOGRAPHY**
  - GEOG 201: Intro to World Reg. Geography 5

- **HISTORY**
  - HIST& 116: *Western Civilization I* 5
  - HIST& 117: *Western Civilization II* 5

- **POLITICAL SCIENCE**
  - AGRI 222: *Agricultural Policy* 5
  - POLS 120: *The American Presidency* 5
  - POLS& 202: American Government 5

- **PSYCHOLOGY**
  - PSYC& 100: General Psychology 5

- **SOCIOLOGY**
  - SOC 101: Intro to Sociology 5
Residence Requirements for Transfer Degrees (Effective 03/2008):

1. A minimum of 30 credits that apply toward the degree earned at WWCC.
2. A minimum of two (2) quarters in attendance at WWCC.

<table>
<thead>
<tr>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
<th>SUMMER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WST 210</td>
<td>POLS 211</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 120</td>
<td>POLS 120</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WST 113</td>
<td>PSYC 113</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Students may receive credit for only one of the cross-listed courses in each of the following pairs:

*EQUIVALENT CROSS-LISTED COURSES:

<table>
<thead>
<tr>
<th>AGRI 222</th>
<th>HIST 212</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 222</td>
<td>HIST 212</td>
</tr>
<tr>
<td>WST 124</td>
<td>ART 124</td>
</tr>
<tr>
<td>ENGL 251</td>
<td>WST 124</td>
</tr>
</tbody>
</table>

Graduation Reminder:

You must complete an application form for each certificate/degree one to two quarters before the anticipated date of graduation. This will help to verify all requirements have been met. Forms are available on the Web and at Admissions.