Core Courses required for AST2:

A. Communication Skills
   ENGL& 101 English Composition I

B. Mathematics
   MATH& 151 Calculus I
   MATH& 152 Calculus II

C. Humanities and Social Science
   ECON& 202 Macro Economics
   ANTH& 100 Survey of Anthropology
   Humanities Elective [H]

D. Pre-major Program
   MATH& 153 Calculus III
   PHYS& 241 Engineering Physics I
   PHYS& 231 Engineering Physics I Laboratory
   PHYS& 242 Engineering Physics II
   PHYS& 232 Engineering Physics II Laboratory
   PHYS& 243 Engineering Physics III
   PHYS& 233 Engineering Physics III Laboratory
   CHEM& 161 General Chemistry I w/ Lab

E. Remaining Credits

Pathways described below correspond to the major related pathways (MRPs) defined at:
   http://www.sbctc.edu/docs/education/transfer/2008-as-t_track2_engr_compsci_physics_atmossci.pdf

Elective Requirements for All Pathways (15 credits recommended for all pathways):
   ENGL& 235 Technical Writing
   MATH& 254 Calculus IV
   MATH 255 Differential Equations

BIO and CHEM E Pathway (select at least 20 credits from this list):
   CHEM& 162 General Chemistry II w/ Lab
   CHEM& 163 General Chemistry III w/ Lab
   CHEM& 241 Organic Chemistry I w/ Lab
   CHEM& 242 Organic Chemistry II w/ Lab
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM&amp; 243</td>
<td>Organic Chemistry III w/ Lab</td>
</tr>
<tr>
<td>MATH 243</td>
<td>Linear Algebra (for BE pathway)</td>
</tr>
<tr>
<td>BIOL&amp; 211</td>
<td>Majors Cellular w/Lab (for BE pathway)</td>
</tr>
</tbody>
</table>

**Comp E and EE Pathway:**

<table>
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<tr>
<th>Course</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>CHEM&amp; 162</td>
<td>General Chemistry II w/ Lab</td>
</tr>
<tr>
<td>MATH 243</td>
<td>Linear Algebra</td>
</tr>
<tr>
<td>ENGR&amp; 214</td>
<td>Statics (for EE pathway)</td>
</tr>
<tr>
<td>C S&amp; 131</td>
<td>Computer Science I C++</td>
</tr>
<tr>
<td>CS 162</td>
<td>C++2</td>
</tr>
<tr>
<td>CS 260</td>
<td>Data Structures in C++</td>
</tr>
</tbody>
</table>

**Mechanical, Civil, Materials Science, and Other Engineering Pathway (select at least 20 credits from this list):**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 243</td>
<td>Linear Algebra</td>
</tr>
<tr>
<td>BIOL&amp; 260</td>
<td>Microbiology w/Lab (for CE pathway)</td>
</tr>
<tr>
<td>CHEM&amp; 162</td>
<td>General Chemistry II w/ Lab</td>
</tr>
<tr>
<td>CHEM&amp; 163</td>
<td>General Chemistry III w/ Lab (for MSE pathway)</td>
</tr>
<tr>
<td>ENGR&amp; 214</td>
<td>Statics</td>
</tr>
<tr>
<td>ENGR&amp; 215</td>
<td>Dynamics</td>
</tr>
<tr>
<td>CS&amp; 131</td>
<td>Computer Science I C++ (for ME pathway)</td>
</tr>
<tr>
<td>CMST&amp; 220</td>
<td>Public Speaking (for CE pathway)</td>
</tr>
</tbody>
</table>

**Advantages of the AST2 Degree When Transferring to WSU**

- Courses designated [H]-Humanities and [S]-Social Science by your Community College are accepted as [HUM] and [SSCI] by WSU.
- [BIOL]-Biological Science UCORE Requirement is waived by WSU if your degree program does not require Biology.

For general questions about this document or to report an error, please contact Kasey Schertenleib at kasey@wsu.edu or 509-335-6613.
**WSU Writing Portfolio**

At WSU, completion of the Junior Writing Portfolio is a General Education Requirement for graduation. Transfer students entering with 60 or more credits must initiate the Junior Writing Portfolio by the end of their first semester at WSU. To this end, you should save examples of writing from coursework completed at your Community College. Instructor sign-off is required. For more information, please visit:

www.writingprogram.wsu.edu/units/writingassessment/midcollege/writingportfolio/

**Alternative Options for Obtaining WSU Engineering Credits**

- Check with neighboring Colleges to see if alternative engineering electives are available which are transferable to WSU.
- Consider enrolling in WSU Summer Session courses prior to Fall enrollment.

**For specific questions regarding transfer equivalencies, please contact one of the WSU academic coordinators listed below:**

**School of Bioengineering and Chemical Engineering**
Maria Greaney-Curry  
509-335-1041  
mgreaney@wsu.edu

**Department of Civil and Environmental Engineering**
Kelli Gardner-Schrand  
509-335-6933  
k.gardner-schrand@wsu.edu
John Rarig  
509-335-1219  
jarig@wsu.edu

**School of Electrical Engineering and Computer Science**
Josh Whiting  
509-335-2446  
joshwhiting@wsu.edu
Alli Guyer  
509-335-0636  
alliguyer@wsu.edu

**School of Mechanical and Materials Engineering**
Debi Mundell  
509-335-7386  
debi.mundell@wsu.edu
Paul Veridian  
509-335-8582  
paul.veridian@wsu.edu

**Distance Degree Programs in Bremerton/Everett**
Linda Howell  
509-335-2483  
linda.howell@wsu.edu