Wenatchee Valley College
Suggested Courses for Pre-engineering Majors (AST2) For Transfer to Washington State University, Pullman Campus

Sections in this document refer to sections of the AST2 degree program found at: http://www.sbctc.edu/college/_e-transferassocinscience.aspx

Note: Please consult with an academic advisor to determine which of the following courses are appropriate for AST2 degree completion in your particular area of interest.

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
   Humanities Elective [HA]
   Humanities or Social Science Elective [SS]

D. Pre-major Program
   MATH& 153  Calculus III
   PHYS& 221  Engineering Physics I
   PHYS& 222  Engineering Physics II
   PHYS& 223  Engineering Physics III
   CHEM& 61  General Chemistry w/ Lab I

E. Remaining Credits
Pathways described below correspond to the major related pathways (MRPs) defined at: http://www.sbctc.edu/college/transfer/as_t_track2_engr_pathways_As_Proposed.doc

Elective Requirements for All Pathways (10-20 credits recommended for all pathways):
   MATH& 254  Calculus IV
   MATH 238  Differential Equations
   ENGL& 235  Technical Writing (May be available through www.waol.org)
   ENGR& 204  Electrical Circuits (May be available through www.waol.org)

BIO and CHEM Pathway:
   CHEM& 162  General Chemistry w/ Lab II
   CHEM& 163  General Chemistry w/ Lab III
   BIOL& 211  Majors Cellular (for BE pathway)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MATH 211</td>
<td>Linear Algebra (for BE Pathway)</td>
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<td></td>
<td><strong>Comp E and EE Pathway:</strong></td>
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<tr>
<td>CHEM&amp; 162</td>
<td>General Chemistry w/ Lab II</td>
</tr>
<tr>
<td>MATH 211</td>
<td>Linear Algebra</td>
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<tr>
<td>ENGR 211</td>
<td>Statics (for EE pathway)</td>
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<td></td>
<td><strong>Mechanical, Civil, Materials Science, and Other Engineering Pathway:</strong></td>
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<tr>
<td>MATH 211</td>
<td>Linear Algebra</td>
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<tr>
<td>BIOL&amp;260</td>
<td>Microbiology (for CE pathway)</td>
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<tr>
<td>CHEM&amp; 162</td>
<td>General Chemistry w/ Lab II</td>
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<tr>
<td>CHEM&amp; 163</td>
<td>General Chemistry w/ Lab III (for MSE pathway)</td>
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<tr>
<td>ENGR 211</td>
<td>Statics</td>
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<tr>
<td>ENGR 212</td>
<td>Dynamics</td>
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<tr>
<td>CMPSC 143</td>
<td>C++ Programming II (May be available through <a href="http://www.waol.org">www.waol.org</a>)</td>
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<tr>
<td>CMST&amp; 220</td>
<td>Public Speaking (for CE pathway)</td>
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This document is accurate as of February 26, 2016. The latest version can be found at [www.cea.wsu.edu/transferstudents](http://www.cea.wsu.edu/transferstudents).

For general questions about this document or to report an error, please contact Kasey Schertenleib at [kasey@wsu.edu](mailto:kasey@wsu.edu) or 509-335-6613.
Advantages of the AST2 Degree When Transferring to WSU

- Courses designated [H]-Humanities and [S]-Social Science by your Community College are accepted as [H] and [S] by WSU.
- [B]-Biological Science General Education Requirement (GER) is waived by WSU if your degree program does not require Biology.

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. http://www.summer.wsu.edu/

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
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mgreaney@wsu.edu

Department of Civil and Environmental Engineering
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School of Electrical Engineering and Computer Science
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School of Mechanical and Materials Engineering
Pullman Campus
Priscilla Hastay
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