Spokane Falls Community 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-transferassoscience.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
ANTH& 100  Survey of Anthropology
Humanities Elective [HA]

D. Pre-major Program
MATH& 153  Calculus III
PHYS 201  Engineering Physics I
PHYS 202  Engineering Physics II
PHYS 203  Engineering Physics III
CHEM& 161  General Chemistry w/ Lab I

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):
MATH& 254  Calculus IV
MATH 274  Elementary Differential Equations
ENGL& 235  Technical Writing

BIO and CHEM E Pathway (select at least 20 credits from this list):
CHEM& 162  General Chemistry w/ Lab II
CHEM& 163  General Chemistry w/ Lab III
CHEM& 241/251  Organic Chem w/ Lab I
CHEM& 242/252  Organic Chem w/ Lab II
CHEM& 243/253  Organic Chem w/ Lab III
ENGR 210  Electric Circuit Theory (for BE pathway)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>MATH 220</td>
<td>Elementary 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>MATH 220</td>
<td>Elementary Linear Algebra</td>
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<tr>
<td>ENGR 190</td>
<td>Electronic Logic</td>
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<td><strong>Mechanical, Civil, Materials Science, and Other Engineering Pathway (select at least 20 credits from this list):</strong></td>
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<tr>
<td>MATH 220</td>
<td>Elementary 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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<td>CS 255</td>
<td>C for Engineers</td>
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<tr>
<td>ENGR 201</td>
<td>Statics</td>
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<td>ENGR 202</td>
<td>Dynamics</td>
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<tr>
<td>ENGR 203</td>
<td>Mechanics of Materials</td>
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<td>ENGR 210</td>
<td>Electric Circuit Theory</td>
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<tr>
<td>CMST&amp; 220</td>
<td>Public Speaking (for CE pathway)*</td>
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<tr>
<td>CMST&amp; 230</td>
<td>Small Group Communication (for CE pathway)*</td>
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<tr>
<td><em>(Only one of CMST&amp; 220 or CMST&amp; 230 needed for CE pathway, may also fulfill requirement in section C)</em></td>
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This document is accurate as of February 23, 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 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 [HUM] and [SSCI] by WSU.
- [BIOL]-Biological Science UCORE Requirement 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
509-335-1041
mgreaney@wsu.edu

Department of Civil and Environmental Engineering
Kelli Gardner-Schrand and John Rarig
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509-335-1219
k.gardner-schrand@wsu.edu
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School of Electrical Engineering and Computer Science
Josh Whiting
509-335-2446
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School of Mechanical and Materials Engineering
Pullman Campus
Priscilla Hastay
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Bremerton/Everett
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