Cascadia 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-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 Macroeconomics
ANTH& 206 Cultural Anthropology
Humanities Elective [HA]

D. Pre-major Program
MATH& 163 Calculus 3
PHYS& 221 Engineering Physics I
PHYS& 222 Engineering Physics II
PHYS& 223 Engineering Physics III
CHEM& 161 General Chemistry with 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_atmossoci.pdf

Elective Requirements for All Pathways (15 credits recommended for all pathways):
ENGL& 235 Technical Writing
MATH& 264 Calculus 4
MATH 238 Differential Equations

BIO and CHEM E Pathway (select at least 20 credits from this list):
CHEM& 162 General Chemistry with Lab II
CHEM& 163 General Chemistry with Lab III
CHEM& 241 Organic Chemistry I
CHEM& 242 Organic Chemistry II
CHEM& 243 Organic Chemistry III
CHEM 254  Organic Chemistry Lab A
CHEM 255  Organic Chemistry Lab B
BIOL& 211  Majors Cellular (for BE pathway)

MATH 208  Linear Algebra (for BE Pathway)

**Comp E and EE Pathway:**

CHEM& 162  General Chemistry with Lab II
MATH 208  Linear Algebra
ENGR& 214  Statics (for EE pathway)

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

MATH 208  Linear Algebra
CHEM& 162  General Chemistry with Lab II
CHEM& 163  General Chemistry with Lab III (for MSE pathway)
BIOL& 260  Microbiology (for CE pathway)
ENGR& 214  Statics
ENGR& 215  Dynamics
ENGR& 225  Mechanics of Materials
CMST& 220  Public Speaking (for CE pathway)**
CMST& 230  Group Communication (for CE pathway)**
***(Only one of CMST& 220 or CMST& 230 needed for CE pathway, may also fulfill requirement in section C)***

This document is accurate as of October, 2016. The latest version can be found at www.vcea.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 a distance education course through Washington Online. https://www.waol.org/
- 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 Johnathan Rarig
509-335-6933 509-335-1219
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School of Electrical Engineering and Computer Science
Josh Whiting Alli Guyer
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School of Mechanical and Materials Engineering
Debi Mundell Paul Veridian
509-335-7386 509-335-8582
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Distance Degree Programs in Bremerton/Everett (EE/CS, ME)
Linda Howell
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