Bellevue 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 200 Macroeconomics
ANTH& 100 Survey of Anthropology
Humanities Elective [HA]

D. Pre-major Program
MATH& 153 Calculus III
PHYS 121 General Engineering Physics I
PHYS 122 General Engineering Physics II
PHYS 123 General Engineering Physics III
CHEM& 161 General Chemistry 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):

ENGL& 235 Technical Writing
MATH& 254 Calculus IV
MATH 238 Differential Equations
BIO and CHEM E Pathway (select at least 20 credits from this list):

CHEM& 162 General Chemistry II
CHEM& 163 General Chemistry III
CHEM& 261 Organic Chemistry I
CHEM& 262 Organic Chemistry II
CHEM& 263 Organic Chemistry III
BIOL& 211 Biology Majors I (for BE pathway)
MATH 208 Linear Algebra (for BE Pathway)

Comp E and EE Pathway:

CHEM& 162 General Chemistry II
MATH 208 Introduction to Linear Algebra
ENGR& 214 Statics (for EE pathway)
ENGR& 224 Thermodynamics

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

MATH 208 Introduction to Linear Algebra
CHEM& 162 General Chemistry II
CHEM& 163 General Chemistry III (for MSE pathway)
BIOL& 260 Microbiology (for CE pathway)
ENGR& 214 Statics
ENGR& 215 Dynamics
ENGR& 224 Thermodynamics
ENGR& 225 Mechanics of Materials
CMST& 220 Public Speaking (for CE pathway)**
CMST& 230 Small 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.

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 John Rarig
509-335-6933 509-335-1219
k.gardner-schrand@wsu.edu jrarig@wsu.edu

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

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

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