



OLYMPIC COLLEGE

Associate of Science (Track 2) Major Related Program (AST2/MRP Opt 2)—Pre-Engineering 2011-2012

Bioengineering and Chemical Engineering

This checklist is intended for students with an interest in an **engineering** major at a university in Washington State (Use Associate of Science, Track 2 for transfer outside of Washington). Students should meet with an engineering faculty advisor (see Note 1) and maintain this checklist while at Olympic College. The quarter before expected completion, this checklist, signed by the student and the academic faculty advisor, should be submitted with a graduation application to the Registrar's office. Note: Though courses in a foreign language are not required for the Associate of Science degree, some universities may require two or three quarters of foreign language for admission or for graduation.

Student: _____ Academic Faculty Advisor: _____
Signature: _____ Signature: _____
Major: _____ Transfer to: _____

NOTE: Prior to starting some or all of the following courses, students should:

- Complete ENGL 098 or earn a placement in ENGL& 101
- Complete CHEM& 139 or place into CHEM& 141
- Complete MATH& 142 or MATH& 144 or place into MATH& 151
- Complete ENGR 100, Introduction to Engineering
- Complete PHYS 110 or a rigorous high school physics class

Course Number	Course Title	Credits	Quarter Completed	Grade
REQUIRED COMMUNICATIONS SKILLS				
ENGL& 101	English Composition I	5	_____	_____
ENGL& 235	Technical Writing	5	_____	_____
REQUIRED MATHEMATICS				
MATH& 151	Calculus I	5	_____	_____
MATH& 152	Calculus II	5	_____	_____
MATH& 163	Calculus 3	5	_____	_____
MATH 221	Differential Equations I	5	_____	_____
HUMANITIES AND SOCIAL SCIENCE (15 credits: 5 cr. in Humanities, 5 cr. in Social Science and 5 cr. in either one—see distribution requirements)				
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
REQUIRED SCIENCE				
CHEM& 141/151	General Chemistry I and Lab	6.5	_____	_____
CHEM& 142/152	General Chemistry II and Lab	6.5	_____	_____
CHEM& 143/153	General Chemistry III and Lab	6	_____	_____
CHEM& 241/251	Organic Chem I and Lab	5.5	_____	_____
PHYS 254	Engineering Physics	6	_____	_____
PHYS 255	Engineering Physics	6	_____	_____
PHYS 256	Engineering Physics	6	_____	_____
ELECTIVE COURSES (in consultation with advisor select courses as appropriate for intended major and transfer institution)				
BIO& 201	Majors Biology I	5	_____	_____
BIO& 202	Majors Biology II	5	_____	_____
CHEM& 242/252	Organic Chem II and Lab	6	_____	_____
CS& 141	Computer Science I Java	5	_____	_____
CS 143	Computer Science II Java	5	_____	_____
ENGR& 104	Intro to Design	5	_____	_____
ENGR& 114	Engineering Graphics	5	_____	_____
ENGR& 204	Electrical Circuits	5	_____	_____
ENGR& 214	Statics	5	_____	_____
ENGR& 224	Thermodynamics	5	_____	_____
ENGR 240	Applied Numerical Methods for Engineers	5	_____	_____
MATH 222	Differential Equations II	5	_____	_____
MATH 250	Linear Algebra	5	_____	_____
MATH& 264	Calculus 4	5	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Total: minimum 90 credits required (See Note 2), minimum 2.0 GPA (See Note 3).

5 Jan, 2010 This form maintained by the Engineering Department

- Note 1:** For advising, new students should contact the Science, Engineering and Mathematics Advisor 360-475-7743: SEMAdvisor@olympic.edu
For further advising contact either Dr. Jeff Brown, 360-475-7738, jbrown@olympic.edu or Linnea Hess, 360-475-7727, lhess@olympic.edu.
- Note 2:** It will require more than 90 credits to achieve junior standing, but the total depends on engineering major and transfer university.
- Note 3:** The Direct Transfer Agreement stipulates a minimum 2.75 GPA to be admitted to a Washington university as a junior (see Note 4). Although a 2.75 GPA allows admission to the institution, admission to a specific department in the institution is competitive and generally requires a GPA significantly higher than 2.75; contact advisors at the university for details.
- Note 4:** The University of Washington no longer is party to the DTA; however the minimum GPA for transfer to UW is 2.75.