


Washington State University Vancouver School of Engineering and Computer Science
BS in Mechanical Engineering

Schedule Effective: Fall 2009

Mechanical Engineering Four-Year Plan

Freshman		Sophomore		Junior		Senior	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Calculus I Math 171 [N]	Calculus II Math 172	Lin Algebra Math 220 C	Diff'l Equations Math 315	Thermodynamics Mech 301	Intro to Design & Mfg Mech 310*	Mech Sys Des I Mech 416 [M]	Mech Sys. Design II Mech 417
Chemistry [P] Chem 105 C	Chemistry [P] Chem 106	Physics (Engr) [P] Phys 201 C	Physics (Engr) [P] Phys 202	Fluid Mechanics Mech 303	Dyn. Systems Mech 348*	Therm Sys Design Mech 402	Technical Elective Mech 4xx
Intro ME Mech 101	Engr Graph Mech 103	Statics Mech 211 C	Dynamics Mech 212 C	Instrum. and Measurement Mech 304	Heat Transfer Mech 404	Technical Elective Mech 4xx	Option X.3 Mech 4xx/5xx
GER [H] or [G]	GER [W] Intro Writing Engl 101	Computer Prog CS 251	Mechanics of Materials Mech 215 C	Intro to Eng. Mat. [M] Mech 309	Machine Design Mech 414*	Option X.2 Mech 4xx/5xx	Option X.2 Mech 4xx/5xx
GER [A] GenEd 110	GER [A] GenEd 111	GER [S] EconS 101 or 102	GER [B] Biol. Science	Design Process Mech 314	Option X.1 Mech 4xx/5xx	GER [I], [G], [K] Intercultural	GER Tier III [T][D] Hum./SS w/Diversity
							
16	16	16	16	15	16	14	15

Credits
1
2
3

C = Req'd for certification & must be "C" grade or better.

Technical elective and option areas (X.1, X.2, X.3, respectively):
 Micro/NanoTech: Mech 431 Mech 438/538 Mech 450/550
 Design and Mfg: Mech 485/585 Mech 476/576 Mech 489/589
 Mechatronics: Mech 405 Mech 467/567 Mech 468/568

Shaded lower division courses are required for some subsequent coursework (see catalog descriptions)

*Requires certification as a Mech major