

**Materials Science and Engineering
Washington State University
Schedule of Studies**

Name _____	ID _____	PSED _____
FALL	FRESHMAN YEAR	SPRING
semester	grade	semester
_____	_____	_____
_____ MSE 110 Intro Materials Sci	2	_____ CptS 121 "C" or CptS 251 "C"
_____ Engl 101 Comp [W]	3	_____ BioS Elective [B] GER
_____ Math 171 Calc I [N]	4	_____ Math 172 Calc II
_____ Chem 105/115 Chem I [P]	4	_____ Chem 106/116 Chem II [P]
_____ GenEd 110/111 [A]	3	_____ GenEd 110/111 [A]
	16	
		16
	SOPHOMORE YEAR	
_____ CE 211 Statics	3	_____ complete writing portfolio
_____ Math 220 Linear Algebra	2	_____ C E 215 Mechanics of Materials
_____ Math 273 Calculus III	2	_____ MSE 201 Materials Science
_____ Phys 201 Engr Physics I [P]	4	_____ Math 315 Diff Equations
_____ Econ 102 Macroeconomics [S]	3	_____ Phys 202 Engr Physics II [P]
_____ Hum Elec [H, G] GER*	3	_____ Intercultural Studies [G,I,K]GER*
	17	_____ ME 220 Materials Laboratory
		17
	JUNIOR YEAR	
_____ Upper Div Phys Sci** _____	3-5	_____ apply for graduation this semester
_____ ME 316 Systems Design [M]	3	_____ Upper Div Phys Sci** _____
_____ MSE 312 Thermodynamics	3	_____ ME 310 Manufacturing Proc.
_____ MSE 302 Electronic Materials	3	_____ EE304 Circuits
_____ MSE 320 Matls struct.-prop. Lab	3	_____ MSE 316 Chem&Phys Reactions
	15	_____ MSE 321 Matls Characterization
		_____ MSE 323 Matls Character. Lab
		16
	SENIOR YEAR	
_____ MSE 413 Mechanics of Solids	3	_____ Hum/SocS Tier III [H,G,S,K,T]
_____ ME 416 Senior Design	3	_____ Tech Elect **** _____
_____ MSE 401 Metallic Materials	3	_____ Engineering Science Elect. ***
_____ MSE 402 Polymeric Materials	3	_____ Engl 402 Pro Tech Writing [W]
_____ MSE 403 Ceramic Materials	3	_____ MSE 426 Senior Thesis II [M]
_____ MSE 425 Senior Thesis I	2	_____ MSE 450 Seminar
	17	15
	total credits 129	

* Econ, Arts/Hum/Intercultural GER's should be selected to provide breadth in humanities and social science. **Students with a PSED of 2000 or later must select one of their G, H, I, K or S GERS from the diversity [D] GER list.** The Tier III (capstone) course must be in humanities or social science. This course should be selected with an advisor's approval.

** Upper Division Physical Science. One year (complete sequence) of Upper division Physical Science to be selected from one of the following sequences: a) Chem 331, 333, 336 or Chem331, 332 (6 credits); b) Chem 340,341,342(8credits); c) Physics 303, 304(6credits).

*** Engineering Science Elective. Select from the following courses: ME 212, 301, 313, 414, 453, 474, 475, MSE 404, EE214, 496 or any MSE course not part of the core curriculum.

**** Technical Elective. One course should be selected from the Upper Division (300-400) offerings in ME, MSE, EE, CE, ChE, Math, Chemistry, Physics or Computer Science. A graduate-level MSE course is acceptable, but once used for the B.S. requirement cannot again be used as credit applied toward a graduate degree.