

# Mechanical Engineering at UAF

Year 1		Year 2		Year 3		Year 4	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
MATH251(4) Calculus I F/S	MATH252(4) Calculus II P: M251 F/S	MATH253(4) Calculus III P:M252 F/S	MATH302(3) Diff Eqns P:M253 F/S	ES301(3) Engr Analysis P: M302 ES201 F/S		ME408(3)(L) Vibrations P: ES201 ES210 ES301 F	
CHEM105(4) Chemistry F/S	CHEM106(4) Chemistry P: Ch105 F/S	PHYS211(4) Physics C:M252 F/S	PHYS212(4) Physics P: P211 C: M253 F/S	ES307(3) Elec Engr P: M252 F/S	ME308(3)(L) Meas & Instr P: ES331 S	ME486(1) Design C: ME441,senior F	ME487(3) Design P: ME486 S
ES101(3)(L) Intro Engr F/S	ES201(3)(L) Comp Tech P: M151 or M152 or C: M251 F/S	ES209(3) Statics C:P211 M251 P: ES101 F/S	ES210(3) Dynamics P: ES209 F/S	ES331(3) <sup>a</sup> Mech Matrls P: ES208 or 209 P: M252 F/S			ME403(3) Mech Design P: ES331 S
			ES346(3) Thermodyn. P: M251 P211 F/S	ME302(4)(L) Dyn Machine P: ES210 C:ES301 F	ME313(3) ME Thermo P: ES346 Ch106 C: ES341 S	ME441(3) H&M Trans P: ES301 ES341 ES346 F	ME415(3)(L) Therm Sys P:ME313 ME441 ES341 C: ME308 S
		ME321(3)(L) Ind Processes F			ES341(4) <sup>a</sup> (L) Fluid Mech P: ES 208 or 210 P: M252 F/S		
					ME334(3)(L) Matls Science P: Ch106 P212 S	ESM450(3) Econ A & O P: ES201 senior F/S	
ENGL111X(3)	ENGL211X(3)		LS100X(1)		Tech Elective(3) <sup>b,c</sup>	ME elective(3) <sup>b,d</sup>	ME Elective(3) <sup>b,d</sup>
COMM131X(3)	GenEd (3)	GenEd (3)	GenEd (3)	GenEd (3)		GenEd (3)	Ethics(3)
17	17	17	17	16	16	16	15

a = For aerospace option, ES331 and ES341 in year 3 may need to be swapped to meet ME450 co-requisite.

b = For aerospace option, electives must be ME450, ME451, ME452, & ME453.

For petroleum option, electives must be ME409, ME416, ME464, & PETE426.

c = Must be 400-level, or higher, engineering course (except CE603).

d = Must be 400-level Mechanical Engineering course

last modified Nov. 14, 2016

