

Mechanical Eng. Curriculum: International Studies Option 2007-2008

University of Wyoming

FRESHMAN YEAR					
Fall Semester			Spring Semester		
MATH 2200	Calculus I	4	MATH 2205	Calculus II	4
ES 1000	Orientation to Engineering (I,L)	1	ES 2110	Statics	3
ES 1060	Introduction to Engineering Computing	3	COJO 1010	Public Speaking (O)	3
CHEM 1020	General Chemistry I	4		US & Wyo Constitutions (V)	3
ENGL 1010	English Comp I (WA)	3		Math/Science Elective¹	3
PE 1001	PE Activity	1			
TOTAL HOURS		16	TOTAL HOURS		16

Summer after Freshman Year		
Lang 1010	First year foreign language I	4
Lang 1020	First year foreign language II	4
TOTAL HOURS		8

SOPHOMORE YEAR					
Fall Semester			Spring Semester		
MATH 2210	Calculus III	4	MATH 2310	Applied Differential Equations I	3
ES 2120	Dynamics	3	ES 2310	Thermodynamics I	3
ES 2410	Mechanics of Materials	3	ME 2020	Design of Experiments	2
PHYS 1220	Engineering Physics II	4	ENGL 2005	Writing in Technology & Sciences (WB)	3
Lang 2030	Second year foreign language I	4		CHEM 1030 <i>or</i> PHYS 2310 Waves/Optics	
				<i>or</i> PHYS 2320 Modern Physics	3/4
			Lang 2040	Second year foreign language	3
TOTAL HOURS		18	TOTAL HOURS		17-18

Summer after Sophomore Year		
ES 2210	Electric Circuit Analysis	3
ES 2330	Fluid Dynamics	3
TOTAL HOURS		6

JUNIOR YEAR					
Fall Semester			Spring Semester (Study Abroad ¹)		
ME 2160	Thermofluids Lab I	2	ME 3170	Machine Design	3
ME 3010	Intermediate Mechanics of Materials	3	ME 3450	Properties of Materials	3
ME 3020	System Dynamics	3		Technical Elective²	3
ME 3040	Thermodynamics II	3			
ME 3360	Fund. of Transport Phenomena	3			
TOTAL HOURS		14	TOTAL HOURS		9

SENIOR YEAR					
Fall Semester			Spring Semester		
ME 4010	Vibrations <i>or</i> EE 4620 Auto Controls	3	ME 4020	Mechatronics	3
ME 4060	Systems Design I	2	ME 4070	Systems Design II (WC)	4
	ME Elective ³	3		ME Solids Elective ⁴	
	ME Elective ³	3		ME Fluids Elective ⁵	3
	Math/Science Elective¹	3		Business Elective⁶	3
TOTAL HOURS		14	TOTAL HOURS		16
TOTAL HOURS TO BSME DEGREE: 134					

¹ Math/Science Electives must be chosen from a Department approved list.

² Technical Elective: Must have prior approval of the advisor. May be chosen from any engineering discipline, mathematics, science, or business.

³ ME Elective: Any ME course

⁴ ME Solids Electives: ME 4040, 4100, 4210, 4215

⁵ ME Fluids Electives: ME 3400, 4240, 4340, 4350, 4430, 4470

⁶ Business Elective: ACCT 1010, BADM 1040, DSCI 3210, DSCI 4260, FIN 3250 or others as approved by advisor.

Required courses (including ME Solids Elective, ME Fluids Elective, and (2) ME Electives) only total 42 upper division hours (48 hours required).

As a result, 2 of the 4 elective courses appearing in bold face above must be at 3000+ level

Degree candidates must meet academic requirements of the college and have an average grade point average of 2.00 in all ME courses completed at UW.