



# University of New Haven

## SAMPLE FOUR YEAR PLAN BS MECHANICAL ENGINEERING

### Study Abroad Option

The curriculum in our degree programs is structured so that students move through classes in a prescribed order. Prerequisites are important and are strongly enforced. This is the plan for completing this degree in eight semesters, including one semester abroad. Students work closely with their academic advisor to have their courses pre-approved before their semester abroad. Meet with your advisor as soon as you can to discuss a plan of action that works best for you.

FIRST YEAR			
Fall		Credits	
CC1.1	ENGL 1112 Seminar in Academic Inquiry	3	
CC3.1	CHEM 1115 General Chemistry I	3	
CC3.1	CHEM 1117 General Chemistry I Lab	1	
CC3.2	MATH 1117 Calculus I	4	
MR	EASC 1107 Intro to Engineering	3	
CC2.1	COMM1130 Principles of Communication	3	
	Total Credits this semester	17	

Spring	STUDY ABROAD	Credits
CC8.1	Global & Intercultural Awareness	3
MR	EASC 1112 Methods of Engr Analysis	3
MR	EASC 1101 Short Engr Reports PITCH	1
MR	CHEM 1116 General Chem II	3
MR	CHEM 1118 General Chem II Lab	1
CC3.2	MATH 1118 Calculus II	4
CC9.1	Perspectives on Creative Arts	3
	Total Credits this semester	18

SECOND YEAR			
Fall		Credits	
CC5.1	UNIV 1141 Life on Earth	3	
CC3.1	EASC 2211 Modeling Engr Systems	3	
MR	EASC2213 Materials Engr Systems	3	
CC3.2	MATH2203 Calculus III	4	
CC4.1	PHYS1150 Mech/Heat/Waves w/lab	4	
MR	MECH 1001 M. E. Skills Workshop	0	
	Total Credits this semester	17	

Spring		Credits
MR	PHYS 2205 Electromg & Optics w/lab	4
MR	MECH 1101 Engineering Graphics	2
MR	EASC 2222 Mechanics & Materials	3
MR	EASC 2224 Fluid-Thermal Systems	3
MR	EASC 1109 Project Plan & Develop	2
MR	MATH 2204 Differential Equations	3
	Total Credits this semester	17

THIRD YEAR			
Fall		Credits	
MR	MECH 3300 Dymanics	3	
MR	MECH 3305 Engr Thermodynamics	4	
MR	MECH 3309 Adv. Str. & FEA Modeling	3	
MR	MECH 2215 Instrumental Lab	2	
MR	EASC 2230 Fund Analog Devices	3	
	Total Credits this semester	15	

Spring		Credits
MR	MECH 3316 W Mechanics Lab PITCH	3
MR	MECH 3321 Incompress Fluid Flow	3
MR	MECH 3330 Fund Mech Design	3
MR	Restricted Elective	3
MR	EASC 2232 Proj Mgmt & Engr Econ	3
MR	MECH 3398 Internship (300 Hours)	0
	Total Credits this semester	15

FOURTH YEAR			
Fall		Credits	
MR	MECH 4404 Heat Transfer	3	
MR	MECH 4497 M. E. Senior Design I	3	
MR	MECH Technical Elective	3	
MR	Math or Engy Analysis Elective	3	
CC6.1	Historical Perspectives	3	
	Total Credits this semester	15	

Spring		Credits
MR	MECH 4415 Thermo/Fluids Lab	2
MR	MECH 4498 Senior Design II	3
MR	MECH Technical Elective	3
MR	MECH Technical Elective	3
CC7.1	EASC 2215	3
	Total Credits this semester	14

Minimum Total Credits: 128

Code	
CC	Required University Core Competency - see advisor for selection
MR	Major Requirement - Minimum 2.00 QPR