

# Mechanical Engineering Program

YEAR 1		YEAR 2		YEAR 3		YEAR 4	
First Semester	Second Semester	First Semester	Second Semester	First Semester	Second Semester	First Semester	Second Semester
MATH 1850 Calculus I 4 Hours	MATH 1860 Calculus II 4 Hours	MATH 2850 Calculus III 4 Hours	MATH 3860 Differential Equations 3 Hours	MIME 3400 Thermo-dynamics I 3 Hours [CR MATH 3860]	MIME 3410 Thermo-dynamics II 3 Hours	MIME 3450 Energy Laboratory 1 Hour [CR MIME 3440]	MIME 4200 Senior Design Projects 3 Hours [MIME 3320] [CR MIME 3440]
ENGL 1110 College Composition 3 Hours	ENGL 1930 Engineering Technical Writing 3 Hours	MIME 1650 Materials Science & Engineering 3 Hours [CR CHEM 1230]	MIME 2650 Manufacturing Processes 3 Hours	MIME 3330 Mechanics Laboratory 1 Hour [CR MIME 3310]	MIME 3430 Fluid Mechanics 3 Hours	MIME 3440 Heat Transfer 3 Hours	Multi-Cultural Double-Dip Elective 3 Hours
CHEM 1230 College Chemistry 4 Hours	PHYS 2130 Physics I 5 Hours	PHYS 2140 Physics II 5 Hours	CIVE 1160 Mechanics of Materials 3 Hours	MIME 3310 Mechanical Design I 3 Hours [MIME 1650]	MIME 3420 Fluids Laboratory 1 Hour [CR MIME 3430]	Technical Electives 6 Hours	Technical Electives 6 Hours
MIME 1000 Orientation to ME & IE 3 Hours	MIME 1010 Professional Development 1 Hour	CIVE 1150 Engineering Statics 3 Hours	EECS 2340 Circuit Analysis for Non-Majors 3 Hours [PHYS 2140]	MIME 2000 Measurements Laboratory 2 Hours [ENGL 1930]	MIME 3320 Mechanical Design II 3 Hours	Multi-Cultural Elective 3 Hours	Social Sci. or Humanities Elective ### 3 Hours
MIME 1100 Intro to CAD 2 Hours	MIME 2600 Engineering Economics 3 Hours	Total hours: 128 Required	MATH 2890 Numerical Methods and Linear Algebra 3 Hours [MATH 1860]	MIME 3300 Design / Anal of Mechanical Systems 3 Hours [CR MIME 2300]	MIME 3370 Mechanical Vibration 3 Hours [MATH 3860]	MIME 3380 Modeling & Control 3 Hours	Social Sci. or Humanities Elective ### 3 Hours
<b>PRE-REQUISITES:</b> Course Pre-Requisites are indicated with arrows and [brackets] below boxes. [CR means Co-Requisite]		### Many students take hum / soc science courses while on co-op.	Courses with > < must be taken in the same semester.	MIME 2300 Engineering Dynamics 3 Hours [CIVE 1150]	MIME 3360 Vibration Laboratory 1 Hour [CR MIME 3370]	Some courses are offered in diffent semesters in co-op plan B.	Social Sci. or Humanities Elective ### 3 Hours
16 Hours	16 Hours	15 Hours	15 Hours	15 Hours	14 Hours	16 Hours	21 Hours ###