## **Mechanical Engineering**

Environmental Literacy "E" Course Writing Intensive "W" Course

Foreign Language Requirement

	Semester One	Semester Two
	CSE 1010: Intro to Computing for ENGR (3 credits)	PHYS 1501Q: Physics for ENGR (4 credits)
shman	CHEM 1127Q: General Chemistry 1 (4 credits)	MATH 1132Q: Calculus II (4 credits)
	MATH 1131Q: Calculus I (4 credits)	ENGR 1166: Foundations of ENGR (3 credits)
	ENGR 1000: Orientation to ENGR (1 credit)	Ged Ed (3 credits)
Fre	ENGL 1007: Writing and Composition (4 credits)	Gen Ed (3 credits)
	16 credits	17 credits

	Semester One	Semester Two
	PHYS 1502Q: Physics for ENGR II (4 credits)	ME 2234: Applied Thermodynamics (3 credits)
Sophomore	ME 2233: Thermodynamic Principles (3 credits)	MATH 2410Q: Elem Diff. Equations (3 credits)
	MATH 2110Q: Multivariable Calculus (4 credits)	CE 2120: Applied Mechanics II (3 credits)
	CE 2110: Applied Mechanics I (3 credits)	PHIL 1104: Social Ethics (CA 1) (3 credits)
	Gen Ed (3 credits)	Gen Ed (3 credits)
		Gen Ed (3 credits)
	17 credits	18 credits

	Semester One	Semester Two
	ME 3263: Intro to Sensors and Data (3 credits)	MSE 2101: Materials Sci and ENGR (3 credits)
unior	ME 3250: Fluid Dynamics (3 credits)	ME 3264: Applied Measurements Lab (3 credits)
	ME 3253: Linear Systems (3 credits)	ME 3242: Heat Transfer (3 credits)
	CE 3110: Mechanics of Materials (3 credits)	ME 3220: Mechanical Vibrations (3 credits)
	Prof. / MathSci Requirement (3 credits)	ME 3XXX: ME Elective (3 credits)
	15 credits	15 credits

	Semester One	Semester Two
	ECE 2000: Electrical and Comp. ENGR (3 credits)	Free Elective (3 credits)
enior	ME 4972: Senior Design I (3 credits)	ME 4973W: Senior Design II (3 credits)
	ME 3255: Computational Mechanics (3 credits)	ME 3XXX: ME Elective (3 credits)
	ME 3227: Design of Machine Elements (3 credits)	Prof. / MathSci Requirement (3 credits)
n	ME 3XXX: ME Elective (3 credits)	Free Elective (3 credits)
	15 credits	15 credits

## **Professional Requirement**

Two courses at the 2000+ level in ENGR, MATH, STAT, physical, or life sciences

Additional Math and Science Requirement

6 credits in 1000+ level MATH, STAT, PHYS, or life sciences

\*\*2000+ level or higher MATH, STAT, PHYS, or life sciences courses may be used to satisfy both requirements\*\*

**Total Credits: 128**