Multidisciplinary Engineering

Catalog Year 2024-2025

Note: This is a recommended sequence and shifts are likely to occur due to prerequisite completion and course availability.

Semester One	Semester Two
CHEM 1127Q: General Chemistry I (4 credits)	CHEM 1128Q: General Chemistry II (4 credits)
MATH 1131Q: Calculus I (4 credits)	MATH 1132Q: Calculus II (4 credits)
CSE 1010: Intro to Computing for Engineers (3 credits)	ENGR 1166: Foundations of Engineering (3 credits)
ENGL 1007: Writing and Composition (4 credits)	Gen Ed (3 credits)
	Gen Ed (3 credits)
15 credits	**17 credits**

Semester Three	Semester Four
PHYS 1501Q: Physics for Engineers I (4 credits)	PHYS 1502Q: Physics for Engineers II (4 credits)
MATH 2110Q: Multivariable Calculus (4 credits)	MATH 2410Q: Elem. Differential Equations (3 credits)
CHEG 2103: Intro to Chemical Engineering (3 credits)	CE 2110: Applied Mechanics I (3 credits)
MSE 2001/2101: Materials Sci. & Engin. I (3 credits)	MSE 2002/2102: Materials Sci. & Engin. II (3 credits)
Area Elective (3 credits)	Area Elective (3 credits)
17 credits	**16 credits**

Semester Five	Semester Six
CE/ENVE 3120: Fluid Mechanics (4 credits)	STAT 3025Q Statistical Methods (3 credits)
ECE 2001: Electrical Circuits (4 credits)	CE 3110: Mechanics of Materials (3 credits)
ME 2233 **or** MSE 3001 **or** CHEG 2111 (3 credits)	Gen Ed (3 credits)
PHIL 1104: Philosophy & Social Ethics (CA 1) (3 credits)	Area Elective (3 credits)
Area Elective (3 credits)	Area Elective (3 credits)
17 credits	**15 credits**

Semester Seven	Semester Eight
ENGR 4001: MDE Design I (3 credits)	ENGR 4002W: MDE Design II (3 credits)
ENGR Elective (2000+) (3 credits)	ENGR Elective (3000+) (3 credits)
ENGR Elective (3000+) (3 credits)	Gen Ed/Free Elective* (4 credits)
Gen Ed (3 credits)	Area Elective (3 credits)
Area Elective (3 credits)	Area Elective (3 credits)
15 credits	**16 credits**

*as needed to reach total degree credits

See reverse for important general education and major specific information.

Total Credits: 128