Advanced Manufacturing and Applied Robotics

**Freshman**
- **Fall (16 units)**
  - CHEM 107: General Chemistry for Applied Sci (4)
  - MECH 100/L: Graphics I / Lab (2)
- **Spring (16 units)**
  - MECH 200: Graphics II (2)
  - EECE 215: Practical Circuits and Electronics (4)

**Sophomore**
- **Fall (15 units)**
  - MECH 210/L: Material Science and Engineering/Lab (4)
  - AMAR 260: Applied Advanced Manufacturing (4)
  - MECH 140: Intro to Design and Automation (2)
- **Spring (16 units)**
  - AMAR 316: Introduction to Plastics (3)
  - AMAR 360: Computer Integrated Manufacturing (4)
  - AMAR 300: Applied Math and Prog for Adv Manf (3)

**Junior**
- **Fall (16 units)**
  - AMAR 318: Advanced Plastics and Composites (3)
  - CIVL 302W: Eng Sustainability and Econ Analysis (3)
  - AMAR 352W*: Industrial Management (3)
- **Spring (15 units)**
  - AMAR 458: Project Management (3)
  - MECA 380: Measurements & Instrumentation (3)
  - OSCM 306: Operations Management (3)

**Senior**
- **Fall (13 units)**
  - AMAR 440AW*: Capstone Design I (3)
  - AMAR 420: Robotics for Advanced Manufacturing (4)
  - AMAR 451: Quality Management (3)
- **Spring (13 units)**
  - AMAR 477: Nanoscale Device Manufacturing (3)
  - AMAR 440B: Capstone Design II (3)
  - AMAR 460: Robotic Manufacturing Systems (4)
  - Tech Elective (3)

*Minimum grade of C- required.
W: Writing Intensive
*One US Diversity (USD) and one Global Cultures (GC) course are required.