

# Technical Electives Accepted for MSME

MSME students can take up to two courses as their Technical Electives from the following list.

- ME 135 – Intro to Composite Materials
- ME 136 – Design for Manufacturability
- ME 160 – Intro to Finite Element Method
- ME 165 – Computer Aided Design in ME
- ME 170 – Solar Energy Engineering
- ME 171 – Energy Management in Manufacturing
- ME 172 – Alternative & Renewable Energy
- ME 181 – Fundamentals of Biosensors
- ME 183 – HVAC Systems Design
- ME 185 – Hybrid and Electric Vehicle Fund.
- ME 186 – Automotive Engineering
- ME 187 – Automatic Control Systems Design
- ME 189 – Design and Manuf. Of Microsystems
- ME 190 – Mechatronics System Design
- ME 192 – Robotics and Manufacturing Sys.

## Notes:

- 1) All undergraduate courses used towards an MSME degree must be approved by the Graduate Advisor in advance.
- 2) A course from this list can't be taken if it has been completed as a part of the BSME program at SJSU.
- 3) Courses from other departments may be allowed with advance approval from the Graduate Advisor.