# MECHANICAL ENGINEERING
## Recommended course plan

| YEAR | FIRST SEMESTER | HOURS | SECOND SEMESTER | HOURS |
|---|---|---|---|---|
| FRESHMAN | Writ 101 – First Year Writing I | 3 | Writ 102 – First Year Writing II | 3 |
| | Chem 105/115 – General Chemistry I | 4 | Chem 106/116 – General Chemistry II | 4 |
| | Math 261 – Calculus I | 3 | Math 262 - Calculus II | 3 |
| | Humanities or Fine Arts | 3 | ME 101 – Intro to Mechanical Engineering | 1 |
| | Social Science | 3 | Humanities or Fine Arts | 3 |
| | | | Social Science | 3 |
| | TOTAL CREDIT HOURS | 16 | TOTAL CREDIT HOURS | 17 |
| SOPHOMORE | Math 263 – Calculus III | 3 | Math 264 – Calculus IV | 3 |
| | Phys 211/221 – Calc-based Physics | 4 | Math 353 – Differential Equations | 3 |
| | CSCI 251 – Programming for Engineering | 3 | Phys 212/222 – Calc-based Physics | 4 |
| | | | ENGR 309 – Statics | 3 |
| | ME 201 – Engineering Graphics | 2 | ENGR 321 – Thermodynamics | 3 |
| | Humanities or Fine Arts | 3 | | |
| | TOTAL CREDIT HOURS | 15 | TOTAL CREDIT HOURS | 16 |
| JUNIOR | Engr 310 – Engineering Analysis I | 3 | ENGR 323 – Fluid Mechanics | 3 |
| | Engr 312 – Mechanics of Materials | 3 | ME 324 – Intro. to Mechanical Design | 3 |
| | ENGR 313/314 – Materials Science | 4 | ME 325 – Intermediate Dynamics | 3 |
| | ENGR 330 – Engineering Systems Analysis | 3 | ENGR 361 – Electric Circuit Theory Lab | 1 |
| | | | ENGR 420 – Engineering Analysis III | 3 |
| | Engr 360 – Electric Circuit Theory | 3 | ECON 310 – Engineering Economy | 3 |
| | TOTAL CREDIT HOURS | 16 | TOTAL CREDIT HOURS | 16 |
| SENIOR | ME 401 – Thermo-Fluid Dynamics | 3 | ME 402 – Propulsion | 3 |
| | ME 416 – Structures & Dynamics Lab | 1 | ME 419 – Energy and Fluids Lab | 1 |
| | ME 426 – Kinematics | 3 | ME 428 – Dynamics of Machinery | 3 |
| | Thermal/Fluid Elective | 3 | ME 438 – Senior Design | 3 |
| | Design Elective | 3 | ENGR 553 – Heat Transfer | 3 |
| | Social Science | 3 | Engineering Elective | 3 |
| | TOTAL CREDIT HOURS | 16 | TOTAL CREDIT HOURS | 16 |
| | | | **MINIMUM TOTAL CREDIT HOURS** | **128** |

Visit engineering.olemiss.edu/advising for full course information.

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