

Bachelor of Science Mechanical Engineering (125 hours) Fall 2024 Four-Year Curriculum Plan

Suggested four-year plan for freshmen entering LMU Fall 2024. Always consult LMU's Undergraduate Catalog and discuss with your academic advisor every semester prior to registering for classes. Timing of courses may deviate from this plan based on several factors.

| | 1st Year Fall | | | 1st Year Spring | |
|-----------------|--------------------------------|---------|----------|-----------------------------------|---------|
| Course | | Credits | Course | | Credits |
| CHEM 111 | General Chemistry I | 4 | Beh/SS | Beh. /Social Science Elect. | 3 |
| ENGL 101 | Composition I | 3 | ENGL 102 | Composition II | 3 |
| ENGR 100 | Engineering Portal | 1 | ENGR 107 | Engr. Graphics | 2 |
| ENGR 104 | Math Applications Engineering | 2 | ENGR 108 | Engr. Computer Skills | 2 |
| LNCN 100 | Lincoln's Life and Legacy | 1 | MATH 250 | Calculus II | 4 |
| MATH 150 | Calculus I | 4 | | | |
| UACT 100 | Strategies for College Success | 1 | _ | | |
| | | 16 | | | 14 |
| | 2nd Year Fall | | | 2nd Year Spring | |
| Course | | Credits | Course | | Credits |
| ENGR 200 | Engr. Profession I | 1 | ME 330 | Thermodynamics I | 3 |
| ES 211 | Statics | 3 | ES 212 | Solid Mechanics | 3 |
| MATH 260 | Elementary Linear Algebra | 3 | ES 214 | Dynamics | 3 |
| MATH 350 | Differential Equations | 3 | MATH 255 | Calculus III | 4 |
| PHYS 251 | University Physics I | 5 | PHYS 252 | University Physics II | 5 |
| | | | | | |
| | | 15 | | | 18 |
| | 3rd Year Fall | | | 3rd Year Spring | |
| Course | | Credits | Course | | Credits |
| ES 250 | Fluid Mechanics | 3 | COMM 200 | Fund. of Speech Communication | 3 |
| ME 210 | ME Materials | 3 | ENGR 300 | Engr. Profession II | 1 |
| PHYS 350 | Intro. to Electronics and Lab | 4 | HIST | History Elective I 121 of 131 | 3 |
| CIVX 300 | American Civics | 2 | MATH 370 | Mathematical Prob. w/Stats | 3 |
| ENGR 304 | Engr. Economics | 2 | ME 310 | Mechanics of Machinery | 3 |
| ME 331 | Thermodynamics II | 3 | ME 340 | Heat Transfer | 3 |
| | | 17 | | | 16 |
| | | | | | |
| | 4th Year Fall | | | 4th Year Spring | _ |
| Course | | Credits | Course | | Credits |
| ENGR 400 | FE Review | 1 | BUSN 250 | Social & Ethical Envi of Business | 3 |
| ME 401 | ME Sr. Design I | 1 | FHE | Fine Arts, Hum., Ethics Elective | 3 |
| ME 410 | Mechanical Component Design | 3 | HIST | History Elective II 122 or 132 | 3 |
| ME 450 | Thermofluid Component Design | 3 | ME 402 | ME Sr. Design II | 3 |
| ME 4xx | ME Design Elective | 3 | ME 4xx | ME Design Elective | 3 |
| ME 4xx | ME Design Elective | 3 | | | |
| | | | | | |
| | | 14 | | | 15 |
| | | | | Total Credits | 125 |