

| 1 st Semester | | |
|--------------------------|------------------------------|----|
| ENGL 15/30 | English | 3 |
| FYS | 1 st Year Seminar | 1 |
| EDSGN 100 | Intro to Engineering Design | 3 |
| GA, GH, GS | General Education | 3 |
| CHEM 110 | Chemical Principles 1 | 3 |
| MATH 140 | Calculus 1 | 4 |
| | | |
| | | |
| | Total | 17 |

| 2 nd Semester | | |
|--------------------------|-----------------------|----|
| ECON 2/4 | Economics | 3 |
| CHEM 112 | Chemical Principals 2 | 3 |
| GA, GH, GS | General Education | 3 |
| PHYS 211 | Mechanics | 4 |
| MATH 141 | Calculus 2 | 4 |
| | | |
| | | |
| | Total | 17 |

| 3 rd Semester | | |
|--------------------------|-------------------------|----|
| CMPS 200 | MATLAB | 3 |
| CAS 100 | Speech Communications | 3 |
| EMCH 211 | Statics | 3 |
| MATH 220 | Matrices | 2 |
| MATH 231 | Calculus 3 | 2 |
| PHYS 212 | Electricity & Magnetism | 4 |
| | | |
| | | |
| | Total | 17 |

| 4 th Semester | | |
|--------------------------|----------------------------|------|
| EMCH 212 | Dynamics | 3 |
| EMCH 213 | Strength of Materials | 3 |
| GHA | Health & Physical Activity | 1.5 |
| ME 300 | Thermodynamics | 3 |
| MATH 251 | Differential Equations | 4 |
| PHYS 214 | Wave and Quantum Physics | 2 |
| | | |
| | | |
| | Total | 16.5 |

| 5 th Semester | | |
|--------------------------|-----------------------------------|------|
| EE 212 | Electronic Systems | 3 |
| EMCH 315 | Mech. Response of Engr. Materials | 2 |
| ME 320 | Fluid Dynamics | 3 |
| ME 345 | Instrumentation & Statistics | 4 |
| ME 360 | Machine Components | 3 |
| GHA | Health & Physical Activity | 1.5 |
| | | |
| | | |
| | Total | 16.5 |

| 6 th Semester - SJTU | | |
|---------------------------------|---|----|
| ME 204 ¹ | Heat Transfer | 3 |
| MT 401 ² | Engineering Materials | 3 |
| ETE | Engineering Technical Elective ³ | 3 |
| GA, GH, GS | Intercultural Teamwork | 3 |
| GA, GH, GS | Chinese Culture/History | 3 |
| ENGR 195 | Internship/Research | 1 |
| | | |
| | | |
| | Total | 16 |

¹ ME 204 (ME 410); ² MT 401 (MATSE 259); ³ Technical Electives can be found in Mechanical Engineering & Automation, or Power and Energy

| 7 th Semester | | |
|--------------------------|--------------------------------|----|
| ME 340 | Design Methodology | 3 |
| ENGL 202C | Technical Writing | 3 |
| IE 312 | Manufacturing Processes | 3 |
| ME Lab | Lab | 1 |
| METE | ME Technical Elective | 3 |
| ETE | Engineering Technical Elective | 3 |
| | | |
| | | |
| | Total | 16 |

| 8 th Semester | | |
|--------------------------|----------------------------|----|
| ETE | Engineering Tech Elective | 3 |
| ME 450 | Dynamic System Modeling | 3 |
| GA, GH, GS | General Education | 3 |
| GTE | General Technical Elective | 3 |
| ME 440/441 | Capstone Design Project | 3 |
| ME Lab | Lab | 1 |
| | | |
| | | |
| | Total | 17 |