## FRESHMAN YEAR

1. CH 1010 General Chemistry
2. ENGL 1030 Accelerated Composition
3. MATH 1060 Calculus of One Variable I
4. Gen Ed²

16 credits

## SOPHOMORE YEAR

1. ME 2000 Sophomore Seminar
2. ENGR 2080 Engr. Graphics and Machine Design
3. MATH 2100 Intro. to Materials Science
4. PHYS 2210 Calculus of Several Variables

17 credits

## JUNIOR YEAR

1. ENGL 3140 Technical Writing
2. ENGR 2070 Basic Electrical Engineering
3. ME 3120 Manufacturing Processes and Their Application
4. MATH 2080 Introduction to Ordinary Differential Equations

14-15 credits

## SENIOR YEAR

1. ME 4010 Mechanical Engineering Design
2. ME 4020 Internship in Engineering Design
3. ME 4030 Control & Integration of Multi-Domain Dynamic Systems
4. ME 4040 Mechanical Engineering Lab. III
7. Gen Ed²
8. ME 4150* may only be taken once for technical elective credit.

15-16 credits

### Footnotes:

1. ENGR 1050 and ENGR 1060 may be substituted for ENGR 1020
2. See Policy on Humanities and Social Sciences for Engineering Curricula. Six of these credit hours must also satisfy General Education Cross-Cultural Awareness and Science and Technology in Society Requirements. These requirements may be filled in any order.
3. ENGR 1070, ENGR 1080 and ENGR 1090 may be substituted for ENGR 1410
4. Both are required but may be taken in either semester.
5. ROTC students only may substitute AS 4100 or ML 4020.
6. Select MATH 3020 or STAT 4110.
7. Select from ME 4150*, ME 4170, ME 4180, ME 4200, ME 4210, ME 4220, ME 4230, ME 4240, ME 4250, ME 4260, ME 4280, ME 4290, ME 4300, ME 4310, ME 4320, ME 4400, ME 4530, ME 4540, ME 4550, ME 4570, ME 4710 or ME 4930. *ME 4150 may only be taken once for technical elective credit.
8. Select any course that meets the technical requirement (any course listed in footnote 7 or 9); or any 3000- or 4000-level modern language course; or a minor requirement.
9. Select from BE 4240, BE 4400, BIOE 4250, CH 3310, CH 3600, CH 4040, CH 4250, ECE 4700, ECE 4710, EES 4010, EES 4100, EES 4300, IE 4400, IE 4570, IE 4620, IE 4880, MATH 4000, MATH 4100, MATH 4120, MATH 4190, MATH 4340, MATH 4350, MATH 4400, MATH 4530, MATH 4600, MATH 4630, PHYS 3110, PHYS 3310, PHYS 3550, PHYS 4170, PHYS 4200, PHYS 4320, PHYS 4410, PHYS 4520.

All Clemson engineering students begin in our General Engineering program and move into their specified major once the departmental standards are completed. Clemson courses ENGL 1030, MATH 1060 and 1080, PHYS 1220, CH 1010, ENGR 1020 and ENGR 1410/or CHE 1300 must all be completed with a “C” or higher before declaring and starting courses in your engineering major.

### General Education Requirements

<table>
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<tr>
<th>LIT</th>
<th>Non-Lit</th>
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<th>SS2</th>
<th>CCA</th>
<th>STS</th>
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<tr>
<td>LIFE</td>
<td>Palmetto Fellows</td>
<td>Honors</td>
<td>Athlete</td>
<td>RISE</td>
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</table>

### Comments:

Once a student begins coursework at Clemson, the following courses may NOT be transferred to Clemson for the ME degree:

- ME 2010, ME 2030, ME 2040
- ME 2220 Mechanical Engineering Lab. I
- ME 2040 Mechanics of Materials
- ME 2220 Mechanical Engineering Lab. I
- MSE 2100 Intro. to Materials Science
- MATH 2060 Calculus of Several Variables
- MATH 2080 Introduction to Ordinary Differential Equations
- ME 4020 Internship in Engineering Design
- ME 4030 Control & Integration of Multi-Domain Dynamic Systems
- ME 4040 Mechanical Engineering Lab. III
- ME 4050, ME 4540, ME 4550, ME 4570, ME 4710 or ME 4930.
- ME 4150* may only be taken once for technical elective credit.

125 Total Semester Hours