

This is to serve as an initial guide for your first year in engineering as a MTH 110 start. You'll get future semester plans in your advising appointment, but you can see the required coursework on the MTH124 and MTH 201 major specific guides.

| 1st Year | | | | | |
|---|-----------|--|-----------|----------------------|----------|
| Fall | | Winter | | Spring/Summer | |
| MTH 110: College Algebra | 4 | MTH 124: Precalculus | 5 | *MTH 201: Calculus 1 | 4 |
| *WRT 150: Strategies in Writing or WRT 120 and WRT 130 | 4 | *CHM 115: Chemistry 1 | 4 | | |
| General Education Course | 3 | *EGR 100: Intro to EGR | 1 | | |
| General Education Course | 3 | *EGR 111: Intro to EGR Graphics | 1 | | |
| | | *EGR 104: Appl Program for EGR 1 | 2 | | |
| Total | 14 | Total | 13 | Total | 4 |
| 2nd Year | | | | | |
| Fall | | Winter | | Spring/Summer | |
| *MTH 202: Calculus 2 | 4 | *MTH 203: Calculus 3 | 4 | | |
| *EGR 108: Appl Program for EGR 2 | 2 | *EGR 185: First-Year EGR Design | 2 | | |
| *EGR 113: Intro to CAD/CAM | 1 | *STA 220: Statistical Modeling for EGR | 2 | | |
| *PHY 230: Physics 1 | 5 | *EGR 220: EGR Measure & Data | 1 | | |
| General Education | 3 | ^Major Specific Course | 4 | | |
| Total | 15 | Total | 13 | | |

Students starting below MTH 201 are not able to complete a BSE in 4 years. Your degree timeline is dependent on your academic success as well as your degree requirements. It is important to meet with your advisor to discuss your degree timeline.

Secondary Admission Requirements:

Detailed application and admission requirements available at <https://www.gvsu.edu/engineering/secondary-admission-to-engineering-majors-44.htm>

- ✓ A GPA of 2.7 or above in Engineering Foundation courses. Foundation courses are designated by an asterisk (*) on this guide. A full list of foundation courses can be found on the major guides.
- ✓ Completion of each course in the Engineering Foundation **with a grade of C (2.0) or above**, with no more than one repeat per course.
- ✓ Completion of preparation for placement in the cooperative engineering education course, EGR 289.

| General Education Requirements | |
|---|--|
| WRT 150: Strategies in Writing (grade of "C" or higher required) or WRT 120 and WRT 130 (grade of "C" or higher required in both) | Life Sciences |
| Physical Sciences (CHM 115) | Philosophy and Literature |
| Arts | Mathematical Sciences (MTH 201) |
| 2 Social Behavioral Sciences (one must be ECO 210 or 211) | Global Perspectives |
| Historical Analysis (consider HSC 202) | U.S. Diversity |
| 2 Issues Courses (prerequisite: must have 55+ credits) | 2 Supplemental Writing Skills Courses (prerequisite: WRT 130 or WRT 150) |

| ^Major Specific Course | |
|---|---|
| Biomedical Engineering: BMS 202 | Interdisciplinary Engineering: General Education |
| Computer Engineering: General Education | Mechanical Engineering: EGR 209 |
| Electrical Engineering: General Education | Product Design & Manufacturing: General Education |