Spartan Engineers
Built Better
Getting Started...

- Engineering Majors
  http://www.egr.msu.edu/undergraduate/academics/degree-programs

- Admission to the College
  - Core courses
  - Combo GPA
  - Math GPA
  - Application

- What does Admission Mean?
  - 300 & 400 level courses and graduation
  - EGR Fee every semester for Jr. level & higher

- Advising resources
What can you study?

- Applied Engineering Sciences (AES)
- Biosystems Engineering (BE)
- Chemical Engineering (CHE)
- Civil Engineering (CE)
- Computer Engineering (CpE)
- Computer Science (CSE)
- Electrical Engineering (EE)
- Environmental Engineering (ENE)
- Materials Science and Engineering (MSE)
- Mechanical Engineering (ME)
Admission to the College

- Based on your COMBO GPA
- Completion of core courses
  - EGR 100
  - EGR 102 or CSE 231 or CSE 220 depending on major
  - MTH 132 or LB 118
  - MTH 133 or LB 119
  - CEM 141 or 151 or LB171 (except Computer Science)
  - PHY 183 or LB 273 or PHY 231 + PHY 233B

- Apply during the semester you are enrolled in last core course
COMBO GPA

- **Attain minimum “COMBO” GPA**
  - 3.1 COMBO GPA required for mechanical engineering
  - 2.9 COMBO GPA required for all other majors

- **COMBO GPA Calculation**
  - Your CUM GPA & TECH GPA averaged together
  - Used to determine admission to college
  - [http://www.egr.msu.edu/advising/gpa/gpa-calculations](http://www.egr.msu.edu/advising/gpa/gpa-calculations)

- **Calculating TECHNICAL GPA**
  - Grades from math, science, engineering courses
    - Engineering, Natural Science & some Lyman Briggs courses
  - Degree Navigator: [https://degnav.msu.edu/index.Asp](https://degnav.msu.edu/index.Asp)

**Note that ALL math courses taken at MSU must average 2.0 or higher. No exceptions!**
EGR 102 or CSE 231 or CSE 220

- **EGR 102: Intro. to EGR Modeling (MATLAB)**
  - AES, BE, CE, CHE, ENE, ME, MSE

- **CSE 231: Intro. to Programming I**
  - CSE and CPE ONLY

- **CSE 220: Programming in C**
  - EE ONLY
Overrides to EGR100/102

- EGR100/102 will require override if you are not currently an engineering or LB major
  - Request early, as sections fill
  - Overrides will NOT be granted for full sections
  - [https://www.egr.msu.edu/advising/academics/overrides](https://www.egr.msu.edu/advising/academics/overrides)
Applications are collected throughout the semester and are reviewed during the week after final exams, and notifications made via RO message system.

Submit application if you will be over 56 credits when you finish core courses:
- [https://www.egr.msu.edu/egradmission/](https://www.egr.msu.edu/egradmission/)
- Available after the first week of classes
- Must be submitted by the last day of class of the semester

**DO NOT** submit application if you are:
- A freshmen or sophomore of any major and you will not have attained 56 or more credits by the time you complete core courses
- Change major at [UUDmajor@msu.edu](mailto:UUDmajor@msu.edu) to be considered in application process
What does Admission Mean?

- **Access** to 300 & 400 level courses and graduation. Most 100/200 level classes are open to everyone at MSU, as long as you have pre-requisites met.

- **Minors** are available in engineering:
  - Computer Science (open to anyone at MSU)
  - Materials Science and Engineering (only open to engineering majors)

- **Engineering Fee** – assessed for every admitted student, junior standing or higher.
Advising

- **First Year Students:**
  - Walk-in advising in W-8 Wilson Hall (no appointments necessary)
  - Mon-Thurs 10am-5pm, Fridays 10am-2pm

- **Advising Info:** [https://www.egr.msu.edu/adcalendar/](https://www.egr.msu.edu/adcalendar/)
  - Use appointment calendar for sophomore/junior/senior advising in all majors except AES and ME

- **Mechanical Engineering advising:**
  - Carmellia Davis-King, sophomores only, (517) 355-6616 ext. 2
  - Gaile Griffore, junior/senior only, (517) 355-3338

- **Applied Engineering Sciences advising**
  - Dr. Amanda Idema, soph/jr/senior (517) 355-6616 ext. 1