College of Engineering...

**Attributes** (what we offer)
- Research that is iterative, creative, and impactful and confronts 21st century challenges head-on
- An agile approach
- A supportive culture that connects research from the lab to the real world
- Learning that is immersive, practical, and hands-on

**Benefits** (what they get)
- Solutions to complex global problems that can’t be found in a textbook
- Globally-minded engineers to make real-world impacts
- Cutting-edge knowledge to our communities and beyond

**So that...**
we serve as a force for **positive change** in a world without boundaries

**Research**
- Robotics
- Power electronics
- Autonomous systems
- Public health and safety
- Additive manufacturing

**Culture**
- Knowledge transfer
- Close industry relationships
- Spirited, supportive alumni
- Inclusivity

**Learning**
- Experiential (e.g. senior design teams)
- Collaborative and cooperative
- Inter-disciplinary
- Applied

**Cybersecurity**
- Cybersecurity

**Robotics**
- Reduced travel barriers of time and distance (Hyperloop)
- Automated systems and processes through robotics and AI (MBZIRC)
- Improved contaminated water supplies (Flint)

**Power electronics**
- Access to alumni networks (SpaceX)
- Pathways to hiring industry leaders (Lockheed Martin)
- In-demand skills
- Ability to make resource-appropriate decisions

**Autonomous systems**
- Travel abroad and community-based projects
- Early on-ramps to STEM (Thinkabit)

**Public health and safety**
- Reduced energy usage while helping grow capability of electronic systems (CPES)