Program Description
The Bachelor of Science in Mechanical Engineering (B.S.M.E.) prepares the student to embark upon a professional career in mechanical engineering or to begin a graduate program. University of West Florida Emerald Coast students studying mechanical engineering now have the opportunity to immerse themselves in an engineering and research environment.

About This Major
- **College:** Hal Marcus College of Science and Engineering
- **Degree:** Bachelor of Science in Mechanical Engineering (BSME)
- **Required Hours for Degree:** 130
- **Student Organizations:** American Society of Mechanical Engineers (ASME), National Society of Black Engineers (NSBE), Society of Women Engineers (SWE)
- **Website:** uwf.edu/emeraldcoast
- **Phone Number:** 850.314.6916

Scholarships
The Hal Marcus College of Science and Engineering offers a number of undergraduate scholarships. To apply, candidates must complete the application form, which is available on the Mechanical Engineering website at uwf.edu/me.

Internships and Co-ops
Extensive internship and co-op programs are available that give students the opportunity to earn elective credit, get paid, and get practical, on-the-job experience while working toward their engineering degrees.

Career Opportunities
- Automotive
- Aerospace and Aviation
- Construction Management
- HVAC and Thermal Systems Design
- Machine Design
- Process Engineering
- Project Management
- Quality Assurance
- Structural Design
- Weapon Systems Development
Program Requirements
In addition to the university’s general requirements, students seeking the B.S.M.E. must meet the requirements listed below. Students are required to have a laptop or tablet PC. A minimum course grade of “C” or better is required for a number of the Mechanical Engineering required courses. Please refer to the UWF Academic Catalog for all requirements.*

uwf.edu/me

Common Prerequisites
Total Hours: 27
- CHM 2045+L: General Chemistry I (+Lab)
- MAC 2311: Analytic Geometry and Calculus
- MAC 2312: Analytic Geometry and Calculus II
- MAC 2313: Analytic Geometry and Calculus III
- MAP 2302: Differential Equations
- PHY 2048+L: University Physics I (+Lab)
- PHY 2049+L: University Physics II (+Lab)

Major-Related
Total Hours: 45
- Advisor-approved Electives (21 hours)
- General Engineering Electives (24 hours)

Major
Total Hours: 58
- EEL 3111+L: Circuits I (+Lab)
- EEL 3211+L: Basic Electric Energy Engineering (+Lab)
- EGM 2500: Engineering Mechanics-Statics
- EGN 3365: Engineering Materials
- EGM 3401: Engineering Mechanics-Dynamics
- EGM 3344: Numerical Methods
- EGN 2911L: Sophomore Engineering Design I
- EGN 2912L: Sophomore Engineering Design II
- EGN 3913L: Junior Engineering Design I
- EGN 3914L: Junior Engineering Design II
- EML 3022: Computer Aided Design and Modeling
- EML 3015: Thermal Fluid Systems I
- EML 3016+L: Thermal Fluid Systems II (+Lab)
- EML 3500: Machine Design
- EML 3011+L: Mechanics of Materials (+Lab)
- EML 4804+L: Mechatronic Systems (+Lab)
- EML 4225: Dynamic Systems
- EGN 4950: Capstone Design I
- EGN 4952L: Capstone Design II
- EGS 4032: Professional Ethics
- EGS 1006: Introduction to Engineering
- EGS 3441: Engineering Statistics

Mechanical Engineering
Advisor Contact:
Ms. Lori Anderson
FWB Location
Building 2, Room 205
850.863.6580
landerson2@uwf.edu

*Program requirements subject to change. Refer to the UWF Academic Catalog for official program requirements for the academic year admitted.