



## **Minor in Biomechanics Engineering**

Catalog Year 2021-2022

### **I. Math Foundations**

Students must earn a "C" or better in these courses or their equivalents:

<input type="checkbox"/> MAC 2312	Calculus with Analytic Geometry II	4 hrs
<input type="checkbox"/> MAC 2313	Calculus with Analytic Geometry III	4 hrs
<input type="checkbox"/> MAP 2302	Ordinary Differential Equations I	3 hrs

### **II. Engineering Foundations**

<input type="checkbox"/> EGN 3310	Engineering Analysis-Statistics	3 hrs
<input type="checkbox"/> EGN 3321	Engineering Analysis-Dynamics	3 hrs
<input type="checkbox"/> EGN 3343	Thermodynamics	3 hrs

### **III. Mechanics Foundations**

<input type="checkbox"/> EGM 3601	Solid Mechanics	3 hrs
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### **IV. Mechanics Elective**

Students must complete at least 1 of the following:

<input type="checkbox"/> EML 3022C	Introduction to Computer Aided Engineering	3 hrs
<input type="checkbox"/> EML 3034C	Modeling Methods in Mechanical/Aerospace Engineering	3 hrs
<input type="checkbox"/> EML 3303C	Mechanical Engineering Measurements	3 hrs
<input type="checkbox"/> EML 3262	Kinematics of Mechanisms	3 hrs
<input type="checkbox"/> EML 3500	Design and Analysis of Machine Components	3 hrs

### **V. Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.
- Total semester hours must equate to 30 to complete the minor.