HONORS MECHANICAL ENGINEERING CURRICULUM GUIDE (132 CREDITS)

**SCIENCE & SYSTEMS**
- MATH160
- PH141
  - PHYSICS I (5)
  - Prerequisite: MATH118 Chem Prep
- MATH161
- PH142
  - PHYSICS I (5)
- MATH261
- CHEM111
  - CHEM 118 Chem Prep
- MATH340

**HONORS ALL-UNIVERSITY CORE CURRICULUM (AUCC)**
- HNRS PY SEM (4)
  - HNRS WRIT SEM (3)
  - HNRS A&M SEM (3)
  - HNRS JR SEM (3)
- HNRS SR SEM (3)
- HNRS THESES SEM (1)
- HNRS THESES SEM (1)
- ADV WRIT
- HNRS 2928
  - HNRS 199
  - Must have one or the other complete prior to taking MECH486A/498A

**MATHMATICS**
- INTRO TO EE (1)
- MECHATRONICS (4)
- ECE204
- CHEM LAB (1)
- CHEM112

**MECHANICS**
- MECH231
  - EXPERIMENTATION (3)
- CIVE261 (SP)
  - STATICS (3)
- MECH235
  - SOLIDS (3)
- MECH326
  - DYNAMICS (3)
- MECH331a
  - MATERIALS (3)
- MECH331b
  - MATERIALS LAB (1)
- MECH332
  - MACHINE DESIGN (3)

**THERMO-FLUIDS**
- MECH337
  - THERMODYNAMICS (4)
- MECH342 & 495 (FA)
  - TE: Technical Elective
- MECH344
  - FLUIDS (3+)

**DESIGN**
- MECH103
  - INTRO TO ME (3)
  - HONOR192
- MECH105
  - PROBLEM SOLVING (3)
  - HONOR193
- MECH301
  - MANUF PROCESSES (2)
  - MECH302
  - DESIGN II (3)
- MECH301A
  - DESIGN III, FEA (3)
- MECH301B
  - DESIGN III, CFD (1)
- MECH304
  - DESIGN PRACTICUM I (4)
- MECH306
  - DESIGN PRACTICUM II (4)

**NEW TO MECH498A (FA)**
- MECH486A OR MECH486B
  - RESEARCH PRACTICUM I (4)
  - MECH488B (SP)
  - CATEGORY 2 (3)

**NOTE:** In order to graduate, students must earn a minimum of a 2.0 cumulative GPA as well as a 2.0 minimum within the following areas: all AUCC courses, and all math, science, and engineering courses. It is highly recommended that students review their Degree Progress Audit at least once each semester in order to track their progress toward graduation. Additionally, most students graduate in 5 years. Students who plan to graduate in 4 years should anticipate summer courses in order to build a balanced schedule.

**Engineering-related summer job or internship recommended**

**FE Exam recommended**

**GRE if interested in graduate school**

**Consider the Integrated Degree Program (IDP+), the accelerated Masters path. If staying at CSU for Master of Science (M.S.)**

**We abide by the Principles of Community**
- Inclusion ∙ Integrity ∙ Respect ∙ Service ∙ Social Justice