HONORS MECHANICAL ENGINEERING CURRICULUM GUIDE (132 CREDITS)

SCIENCE & SYSTEMS

First-Year (34)
- MATH160
- PHYSICS I (5)
- CHEM111

Sophomore (36)
- MATH161
- PHYSICS II (5)
- CHEM112

Junior (31)
- MATH261
- CHEM I (4)

Senior (31)
- MATH340
- CHEM I LAB (1)

MECHANICS

- EXPERIMENTATION (5)
- HONORS course or commonly offered as Honors

- CIVE261 (SP)
- MECH231
- CIVE360

- MECH324
- MECH325

MECH342 & 495 (FA)

THERMO-FLUIDS

- MECH103
- MANUF PROCESSES (2)
- MECH201

- MECH105
- MANUF PROCESSES LAB (2)
- MECH202

- MECH200A
- THERMODYNAMICS (4)

- MECH200B
- MANUFACTURING (2)

- MECH344
- MECH348

DESIGN

- DESIGN I - [8-D MODELING] (2)
- DESIGN II (3)

- DESIGN III; PFA (1)
- DESIGN III; CFD (1)

- RESEARCH PRACTICUM I (0)
- RESEARCH PRACTICUM II (4)

HONORS ALL-UNIVERSITY CORE CURRICULUM (AUCC)

- HNRS FY SEM (4)
- HNRS WRIT SEM (3)
- HNRS A&B SEM (3)
- HNRS IR SEM (3)

- HNRS JR SEM (3)
- HNRS THESES SEM II (1)

- HNRS SR SEM (3)
- HNRS Thesis SEM I (1)

NOTE: 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 required 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. Students are encouraged to consider summer courses to build a more balanced schedule. Speak with your advisor to determine if that is an option you would like to explore.

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

PREREQUISITE
- MECH 325, 324: Must have one or the other complete prior to taking MECH486A/498A

COREQUISITE
- Offered 1x a year

Lab course
- Lecture course

Honors course or commonly offered as Honors

Engineering-related summer job or internship recommended
FE Exam recommended
GRE if interested in graduate school
Consider the Accelerated Master’s Program (AMP) if staying at CSU for Master of Science (M.S.) or Master of Engr. (M.E.)