Ph.D in Mechanical Engineering

Grandfather

MATH 530  Mathematics for Scientists and Engineers  4

Select 2 courses from the following:  6

- CIV 560  Advanced Mechanics of Materials
- MECH 529  Advanced Mechanical Systems
- MECH 532/BIOM 532  Materials Issues in Mechanical Design
- MECH 538  Mechanical Engineering Thermodynamics
- MECH 539  Advanced Fluid Mechanics
- MECH 544  Advanced Heat Transfer

Electives

Electives  1  2-32

Master Degree Credit

Master Degree Credit  2  30

Dissertation

Dissertation: Bioengineering
Dissertation: Energy Conversion
Dissertation: Environmental Engineering
Dissertation: Heat and Mass Transfer
Dissertation: Industrial and Systems Engineering
Dissertation: Mechanics and Design
Dissertation: Computer-Assisted Engineering
Dissertation: Robotics
Dissertation: Solar Engineering
Dissertation: Computational Fluids
Dissertation: Materials
Dissertation: Plasma
Dissertation: Motorsport Engineering

Program Total Credits  72

A minimum of 72 credits are required to complete this program.

1  Select courses with approval of advisor and graduate committee.

2  A maximum of 30 credits may be accepted from an engineering master's degree.

Of the 72 minimum credits required for this program, at least 21 credits must be at the 500-level or above and earned at CSU. Minimum of 15 credits with the MECH subject code. Minimum 12 credits in regular courses numbered 500 and above (not including dissertation, independent study, or supervised teaching).