

## Pre-Requisite Requirements for Applicants without a BSME

Group 1: **Non- Engineering Degree**- do not have MATH 340 (differential equations) or PH 142 (physics II)

- Must be admitted as a second bachelor's candidate until completion of the Junior level courses required by research area of interest
- Must complete calculus through differential equations (MATH 160, 161, 261 and 340) and Physics I and II (PH 141 and 142).
- Must have a 3.25 in the Undergraduate curriculum during studies toward the second BS with "B" grades or better in each of the specified **junior** level courses
- Once the student has met the above requirements an application can be made to the Graduate Program and the student will be evaluated for admission into the research area

Group 2: **Non-Engineering Degree**- have MATH 340 and PH 142

- Will be considered for admission to the Graduate Program as conditional admits.
- Conditional status will be removed when the student completes the junior level courses required by the research area with "B" grades or better in each course.

Group 3: **Non- Mechanical Engineering Degree**- have an Engineering degree in another discipline (Electrical, Civil, etc.)

- Will be considered for admission directly into the Graduate Program.
- May be required to take undergraduate prerequisites as deemed necessary by advisor.

Undergraduate courses required by research areas for Groups 1 and 2:

Advanced Materials and Plasma

Engineering

Any 3 of:

MECH 325

MECH 331

MECH 342

MECH 337

MECH 344

CIVE 360

Energy Conversion

MECH 337

MECH 342

MECH 344

MECH 307

Motorsport Engineering

MECH 337

MECH 342

MECH 331

MECH 324

CIVE 360

Bioengineering

MECH 331

MECH 337

CIVE 360

Dynamic Systems

Any 3 of:

MECH 307

MECH 324

MECH 325

MECH 342