Ph. D. Program Details

Math Requirement:

- 6 credits of *General Engineering and Advanced Mathematics*. (These courses will be chosen from the list on the Web)

Ph. D. Breadth Requirements:

- Ph.D candidates must complete 6 credits of ME courses *outside their major and allied field*.
  
  *(Allied Field – E.g. Dynamics is an Allied field for Controls and vice versa; Materials is an allied field for Mechanics and so on.)*

Qualifying Exam:

- Normally only administered during the Spring semester.
- Consult with your advisor before signing up.
- Sign up early
Student Responsibilities

• MAKE THE MOST OF YOUR GRADUATE EXPERIENCE.

• All Graduate students are expected to follow the honor code and behave professionally.

• Attend PIE seminars
  • All incoming students
  • All TA’s whether new or continuing – attend Spring seminar if you missed Fall.

• Enroll only for 9 Credit hours
  • Exceptions must be discussed with Advisor and Grad. Coordinator

• Residency Status
  • U. S. Citizens and PR need to become FL residents ASAP. We will not pay out-of-state tuition if you were eligible to become a FL resident but failed to do so.

DIS/SR Courses

• PLAN EARLY!!! – Need to see their faculty advisor in the preceding semester (Oct 14-18, for Sp. 03)
• Do not wait until the first week of classes, starting next semester it may too late.
Research Areas

Dynamic Systems and Controls
Adaptive & *Intelligent* Controls, Robotics, Mechatronics,
Flow Control, Power Engineering

Thermal Sciences (Fluid Mechanics and Heat transfer)
Aeroacoustics, Computational Fluid Dynamics, Flow Diagnostics,
Microflows, Biofluids, *Active Noise & Flow Control*, Magnet Design,
Power Engineering

Mechanics and Materials
Computational Mechanics, Superplasticity, Materials
Processing, Metallurgy, Microscopy, Microtexture, Thin films,
*Magnet Design*
Research Labs/Programs

- Advanced Mechanics and Materials Laboratory (AMML)
- Biomagnetic Engineering Laboratory
- Center for Advanced Power Systems (CAPS)
- Dynamics, Controls, and Mechatronics Laboratory
- Fluid Mechanics Research Laboratory (FMRL)
- National High Magnetic Field Laboratory (NHMFL)
- Applied Superconductivity and Ceramic Processing Lab
- Materials Processing and Applications Laboratory
Faculty Introductions