Today’s Orientation

- Greetings and Speakers
- Who We Are
- Important Info
Who We Are and What We Do

Our people:
- 30 professors / senior lecturers
- 13 administrative and research staff
- 25 postdocs
- 250 graduate students
  - 113 MSE and 137 PhD
- 238 undergraduate students

Our goal:
- Provide you an outstanding education in a leading-edge research environment.
Your Academic Program Staff

John Soos
Sr. Academic Program Coordinator

- Exam Scheduling
- Event Planning
- Teaching Assistant Hiring and Payroll
- Facilities Management
- E-mail List Management
- Records and Website Maintenance
- Graduation Certifications

Mike Bernard
Academic Program Manager

- Academic Advising
- Student Recruiting
- Graduate Application Management
- Student Payroll
- Course Scheduling
- Communications Oversight
- Statistical Reporting
COVID-19 Information

Online resources

• For Grad Students - [https://covidinfo.jhu.edu/information-for-graduate-students/](https://covidinfo.jhu.edu/information-for-graduate-students/)


• International Students - [https://ois.jhu.edu/Immigration_and_Visas/Travel_Information/COVID-19_Immigration-Related_FAQs/](https://ois.jhu.edu/Immigration_and_Visas/Travel_Information/COVID-19_Immigration-Related_FAQs/)
Reminders – Actions to Take

• Submit pre-admission health forms
• Take required introductory courses
• Read your advising manual
• Pay any tuition or fees due
• Submit payroll documents if getting paid
• Enroll for courses after discussing them with your faculty advisor

Visit the New Grad Student page at 
https://me.jhu.edu/education/graduate-studies/advising/for-new-graduate-students/
MEGA

Mechanical Engineering Graduate Student Association

• Your voice in Mechanical Engineering
• Advocates for issues and concerns
• Social events
• Athletic teams
• Dissertation Defense celebrations

• Visit https://me.jhu.edu/mega/ for info and calendar
Milton S. Eisenhower Library

• On the Homewood Campus
• One of 9 Hopkins libraries
• We have our own librarian!

Resources
• Web – [https://library.jhu.edu](https://library.jhu.edu)
• Librarian – Mr. Steve Stich – sstich@jhu.edu
Required Introductory Courses

EN.500.603 Graduate Orientation and Academic Ethics
- 20-minute online tutorial
- Students will be registered and notified when available.
- Must complete in first semester. Don’t wait!

Responsible Conduct of Research
- AS.360.624 (quick - MSE) and AS.360.625 (longer PhD + some MSE)
- Anyone doing research must take course by their 4th semester.
- Offered all semesters and summer

Online Lab Safety + EN.500.601 Research Laboratory Safety
- 8 online modules required; in-person EN.500.601 class optional.
- Must take the 8 online modules before starting research

Opioid Awareness, Effort Reporting, American English Pronunciation (for TA work), and Title IX Anti-Harassment – visit https://me.jhu.edu/education/graduate-studies/advising/for-new-graduate-students/
MSE Degree Requirements

Section A – A set of advisor-approved courses

• 8 courses / 24 credits
  • 6 courses, 3 credits or more each plus...
  • Other courses totaling 6 credits – from Center for Leadership Education or other departments – 1.5-3 credits each
• 2 must be applied math, numerical analysis, or computational
• Almost half must be 530.xxx or 535.xxx Mechanical Engineering
• Up to 2 from Engineering for Professionals
• Up to 4 upper-undergrad level
• No independent research, graduate research, or special studies.

Section B – choose one

• 2 more courses / 6 credits - 530.823 MSE Graduate Research can be one
• Master’s Essay – 6 credits either 530.822 MSE Essay – Co-Op or 530.823 MSE Graduate Research
MSE Degree “Things to Know”

Check your Advising Manual for...

• Sec. 3.5 – selecting courses
• Sec. 3.6 – suggested courses
• Sec. 3.7 – registration and credits
• Sec. 3.8 – EP courses, accepted grades, double-counting between degrees
• Sec. 3.11 – Academic Performance
• Sec. 3.12 – Switching to the Ph.D. program
PhD Degree Requirements

Mechanical Engineering

• Pass the Departmental Qualifier Exam (DQE)
• Teaching Assistant – 2 courses
• Register for and pass EN.530.801 Graduate Research - every semester
• Register for and pass EN.530.803 MechE Graduate Seminar – first three years
• Maintain academic and research performance

University

• 2 semesters of “full-time” residency
• Pass the Graduate Board Oral (GBO) exam
• Submit and defend dissertation
Things to Know

Check your Advising Manual for...

- **Sec. 2.6** – Course Frequency
- **Sec. 3** – Requirements and Performance
- **Sec. 3-5** – DQE, GBO, Dissertation Defense
- **Sec. 9** – Annual Evaluations, Seminars, Ethics
- **Sec. 12** – Financial Aid and Teaching Assistants
- **Sec. 14** – Purchasing and Reimbursements
- **Sec. 15** – Payroll
- **Sec. 16.1** – Lab Safety
More Things to Know – PhD Policies

Check Section 8 of the PhD Advising Manual for Policy Links...

- Time Off and Vacation
- Mentoring Commitments for Students and Advisors
- Graduate Residency and Registration
- Academic Policies
- Rights and Responsibilities
- Probation and Dismissal
Academic Advising – where to get help

• Your faculty advisor

• Graduate Academic Advising page - https://me.jhu.edu/education/graduate-studies/advising/

• Your advising manual

• Advising Week meetings – March/April and October/November

• Academic Staff - Mike Bernard and John Soos
ForagerOne

University-wide marketplace for research opportunities and collaboration

- Find and connect with faculty mentors
- Recruit undergrads and other students across disciplines to support your projects
- Discover PhD/postdoc collaborators
- Get matched with part-time consulting opportunities with companies seeking subject matter experts

Get started by logging in with your JHED credentials at https://foragerone.com/auth/login and creating your profile.
If you have Troubles

Don’t Wait! If you...
...are struggling with course work or exams,
...have trouble attending lectures,
...have emotional or mental health struggles,
...have financial or living space problems,
...are not getting along with your roommates,
...have family concerns,
...feel overwhelmed:

Ask for Help Early – it’s okay!
Talk to your Professor, Faculty Advisor, or Teaching Assistant.

Allison Leventhal
Student Life Administrator
410-516-2328 or aleventhal@jhu.edu

Christine Kavanagh
Associate Dean of Graduate Affairs
410-516-5938 or ckav@jhu.edu

Dr. Annalisa Peterson
Ombuds
410-218-6669 or https://www.jhu.edu/ombuds-office/
Career Services

Career exploration
Connections for jobs
Info sessions for career preparation

Life Design Lab – Masters
Mr. Mark Savage
Life Design Educator
msavag16@jhu.edu
https://studentaffairs.jhu.edu/life-design/

PHutures – PhD
Dr. Roshni Rao – Director
rrao12@jhu.edu
https://provost.jhu.edu/integrative-learning-and-life-design/life-design/phutures/

Mechanical Engineering “Careers and Life” - https://me.jhu.edu/education/careers-and-life/
Seminars

- EN.530.803 MechE Seminar – Thursday 3:00
- Other Seminars
  - EN.530.809 Mechanics and Materials – Friday 3:00
  - EN.620.745 Computational Sensing and Robotics – Wednesday 12:00
  - EN.500.602 Environmental and Applied Fluid Mechanics – Friday 3:00
  - EN.530.807 Fluid Mechanics – Friday 4:00

Teaching Assistant

- Opportunity for grading, labs, office hours, lectures
- Paid positions at equivalent of $19/hour
- International students have English Language requirements
Safety and Common Sense

Campus Safety and Security Tips
- Baltimore is a vibrant, exciting city...
- Plenty of campus police and security staff
- Secure your laptops and valuables
- Back up your work on separate systems or cloud
- Don’t leave items in your car in plain sight
- Use good judgment if walking at night

Hopkins Security
- General Info  410-516-4600
- Safety Escort  410-516-4600
- Emergency     410-516-7777 or 911
Computing

Get Started at http://it.jhu.edu

- E-mail
- Computer discounts
- Free anti-virus
- Wi-Fi
- Zoom
- Microsoft Teams
- Software
Recreation Center

- Membership is free for all graduate students!
- Enjoy the pool, climbing wall, fitness center, weight room, basketball courts!
- Fitness training, swim lessons, and other programs available
- Intramural and club sports leagues and Sports Clubs

https://studentaffairs.jhu.edu/recreation/
In the back of your advising manuals...

- MEGA and GRO
- Join the ASME!
- Life outside class, on campus, and in Baltimore.
- Forms

Info for Graduate Students – https://me.jhu.edu/education/graduate-studies/current-grad-students/

91 Things to Do in Baltimore... try 10 this year!
Resources and Contacts

Humans
• Your Faculty Advisor
• Mike Bernard me-academic@jhu.edu
• John Soos me-academic@jhu.edu
• Prof. Tamer Zaki, Director of Graduate Studies t.zaki@jhu.edu
• Prof. Gretar Tryggvason, Department Head gtryggv1@jhu.edu

Otherwise
• MSE and Ph.D. Academic Advising Manuals http://www.jhu.edu
• Johns Hopkins http://www.me.jhu.edu
• Mechanical Engineering http://www.me.jhu.edu
• Graduate Advising https://me.jhu.edu/education/graduate-studies/advising/
• Top 12 for Grad Students https://me.jhu.edu/education/graduate-studies/current-grad-students/
Best of luck to you this year!

Questions?