Mechanical Engineering
Master’s Student Orientation

January 26, 2021

Today’s Orientation

• Greetings
• Who We Are
• Important Info
Who We Are and What We Do

Our people:
- 30 professors / senior lecturers
- 11 administrative and research staff
- 25 postdocs
- 206 grad students
  - 74 MSE and 132 PhD
- 216 undergraduate students

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

Your Academic Program Staff

Kevin Adams
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/
- International Students - https://ois.jhu.edu/Immigration_and_Visas/Travel_Information/COVID-19_Immigration-Related_FAQs/

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
Library

Milton S. Eisenhower Library

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

Resources
• Web – 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!

AS.360.624 Responsible Conduct of Research
• Online course, about 2 hours.
• Anyone doing research must take course.
• One exception – NIH funded projects: take AS.360.625 in-person

(Maybe) EN.500.601 Research Laboratory Safety
• 8 online modules required; in-person class optional.
• Must take modules before starting research

Opioid Awareness, Effort Reporting, Accent Reduction (for TA work), and Title IX Anti‐Harassment – visit https://me.jhu.edu/newgrads/ for info
MSE Degree Requirements

Section A - 8 advisor-approved courses
- 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
  (530.820 MSE All-Course - Graduate Research can be one)
- Master’s Essay
  (530.821 MSE Essay - Research and Writing or
  530.822 MSE Essay – Co-Op)

Academic Advising – where to get help
- Your faculty advisor
- Graduate Academic Advising page - https://me.jhu.edu/graduate-studies/academic-advising-graduate/
- Your advising manual
- Checkout sheet
- Advising Week meetings – March/April and October/November
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. 3.13 – Switching to the Ph.D. program

If you have Academic Troubles

Don’t Wait!
- If you are struggling with any course homework or exams...
- If you are having trouble attending lectures...
- If you are experiencing any difficulties...

Ask for Help Early – it’s okay and welcomed!
- Talk to your Professor, Faculty Advisor, or Teaching Assistant.
- Allison Leventhal, Student Life Administrator – 410-516-2328 or aeventhal@jhu.edu
- Christine Kavanagh, Assistant Dean of Graduate Affairs – 410-516-5938 or ckav@jhu.edu
- Prof. Sri Sarma, Vice Dean – 410-516-3481 or ssarma2@jhu.edu.
Seminars / Teaching Assistants

Seminars – 1 credit – optional for master’s students

• 530.803 MechE Seminar
  • Mechanical Engineering Graduate Seminar – Thursday 3:00

• Other Seminars
  • Mechanics and Materials – Monday 3:00
  • Computational Sensing and Robotics – Wednesday 12:00
  • Environmental and Applied Fluid Mechanics – Friday 3:00
  • Fluid Mechanics – Friday 4:00

Teaching Assistant

• Opportunity for grading, labs, office hours, lectures
• Paid positions at $18/hour
• International students have English Language requirements

Career Services

Life Design Laboratory

• Career services and exploration
• Connections for jobs
• Information sessions on career preparation

Resources

• Mr. Mark Savage, Life Design Educator – msavag16@jhu.edu
• Life Design Lab - https://studentaffairs.jhu.edu/life-design/
• Mechanical Engineering “Careers and Life” - https://me.jhu.edu/careers-and-life/
Safety and Common Sense

Campus Safety and Security Tips
• Baltimore is a vibrant, exciting city... but it is a 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
This’n’that...

In the back of your advising manuals...

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

Top 12 for Graduate Students –
http://me.jhu.edu/t12/top-12-graduate-students/

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

Resources and Contacts

Humans

• Your Advisor
• Mike Bernard me-academic@jhu.edu
• Kevin Adams me-academic@jhu.edu
• Prof. Rajat Mittal mittal@jhu.edu
• Prof. Gretar Tryggvason gtrygv1@jhu.edu

Otherwise

• MSE and Ph.D. Academic Advising Manuals
• Johns Hopkins http://www.jhu.edu
• Mechanical Engineering http://www.me.jhu.edu
• Graduate Advising http://me.jhu.edu/graduate-studies/academic-advising-graduate/
• Top 12 http://me.jhu.edu/t12/top-12-graduate-students/
Advising Manual Quiz Challenge!

Who is the winner?

Best of luck to you!

Questions?