

Mechanical Engineering Master's Student Orientation

Mike Bernard

Academic Program Manager

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Today's Orientation



- Greetings and Speakers
- Who We Are
- Advising Manual Review

Department of Mechanical Engineering

A Word...

Greetings and Speakers

- Department Vice Chair Sean Sun
- Library Liaison Steve Stich
- MEGA Representatives

Up next: who, what, and where...



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Who We Are and What We Do

Our people:

- 24 professors / senior lecturers
- 11 staff members
- 24 postdocs
- 150 grad students
 - 48 MSE and 102 PhD
- 260 undergraduate students



Our goal:

- Provide outstanding education in a leading-edge research environment.

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Where We Are



Mechanical Engineering

- Admin Offices – Latrobe 223
- Prof. Steven Marra – Latrobe 123
- Mike Bernard – Latrobe 230
- Kevin Adams – Latrobe 223

Classes – most in Latrobe, Maryland, Gilman, Hodson, and Krieger Halls.

WSE Manufacturing (Machine Shop) – Wyman Hall

Up next: courses and requirements...

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Required Introductory Courses

360.624 Responsible Conduct of Research

- Online course
- Anyone doing research must take course
- In-person 360.625 course might be required – NIH Training Grants

500.603 Academic Ethics

- 20-minute online tutorial
- Students will be registered and notified when available.
- Must complete in first 8 weeks.

500.401 Research Laboratory Safety

- Offered various semesters
- Should take before starting research.



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MSE Degree Requirements

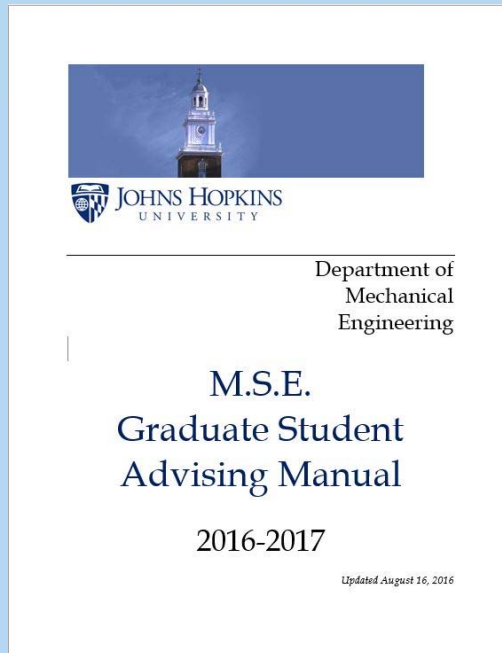
Section A - 8 advisor-approved courses

- 2 must be applied math, numerical analysis, or computational
- Half must be 530.xxx or 535.xxx Mechanical Engineering
- No more than 2 from Engineering for Professionals
- No more than 4 from upper-undergrad level
- No independent research, graduate research, or special studies.

Section B – choose one

- 2 more courses (530.600 MSE Graduate Research can be one)
- Master's Essay (530.602 MSE Thesis Research and Writing)

MSE Degree “Things to Know”



Check your Advising Manual for...

- **Sec. 3.4** – suggested courses
- **Sec. 3.6** – EP courses, accepted grades, double-counting between degrees
- **Sec. 3.10** – Academic Performance
- **Sec. 3.12** – Switching to the Ph.D. program

MSE Degree “Things to Know”

Sec. 4.2 - Seminars

- Don't have to register for courses
- Check out these seminars!
 - **Computational Sensing and Robotics** – Wednesday 12:00
 - **Mechanical Engineering Graduate Seminar** – Thursday 3:00
 - **Environmental and Applied Fluid Mechanics** – Friday 11:00
 - **Mechanics and Materials** – Friday 12:00
 - **Fluid Mechanics** – Friday 3:00



Sec 4.3 – Teaching Assistant

- Opportunity for grading, labs, office hours
- Paid positions at \$18/hour
- International students must pass English Language Assessment

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Safety and Common Sense

Sec. 6 – Campus Safety and Security Tips

- 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

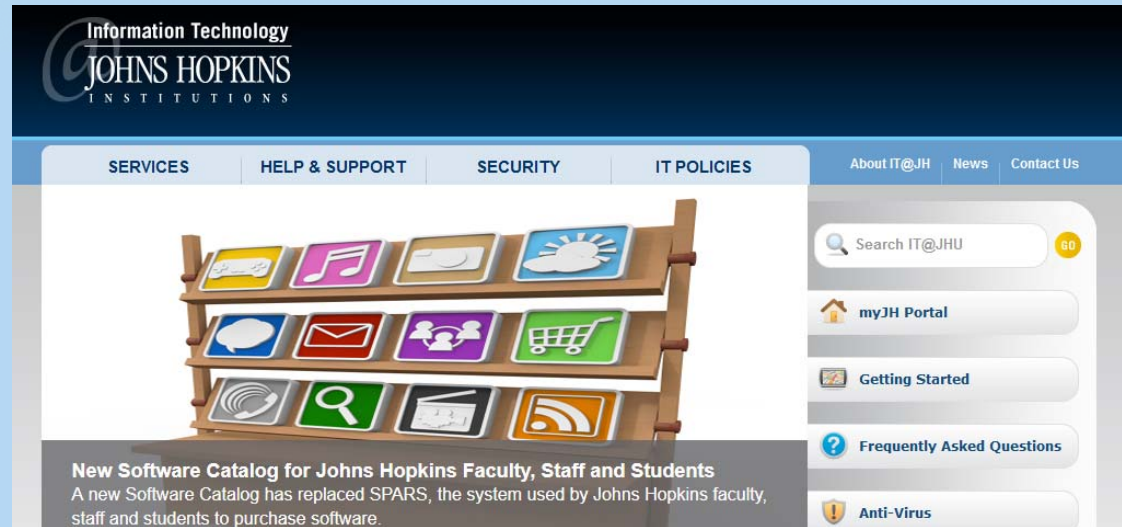


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Computing

Sec 7.3 - Get Started at <http://it.jhu.edu>

- E-mail
- Computer discounts
- Free anti-virus
- Wi-Fi
- Software



This'n'that...

Sec. 9.1-9.2 – MEGA and GRO

Sec. 9.3 – Join the ASME!

Sec. 9.5 – Life outside class, on campus, and in Baltimore.

Sec. 11 – 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!**



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Resources and Contacts

Humans

- Your Advisor
- Mike Bernard mike.bernard@jhu.edu 410-516-7154
- Steven Marra marra@jhu.edu 410-516-0034
- Kevin Adams kadams24@jhu.edu 410-516-5930

Otherwise

- Master's Academic Advising Manual
- 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/>

Best of luck to you this year!



Questions?

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