

# Department of Bioengineering

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Welcome Class of 2012!  
&  
Orientation



# The Essentials

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R is for ThuRsday  
(We Don't Get it Either!)

Skirkanich = SKER-CAN-ITCH (We  
Think?)

# Orientation

Where are you?

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University of Pennsylvania

School of Engineering & Applied Science



You are here!

# *Who is Bioengineering?*

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Approximate Numbers:

400 Undergraduate Students

125 Graduate Students

25 Primary & Secondary Faculty

50 Graduate Group Faculty

25 Staff & Post-Doctoral Fellows

625 People

## Who are the important people to know?



# Catherine Lawrence, Program Coordinator

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[cathy37@seas.upenn.edu](mailto:cathy37@seas.upenn.edu)

*Bioengineering's Control Tower:*

*Read her emails – She knows everything about everything*

# Valerie Dorn, Associate Director for Advising

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[vrdsn@seas.upenn.edu](mailto:vrdsn@seas.upenn.edu)

*She knows the rules!*

# Department Chair: Dr. David Meaney

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# BE100 Teachers

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Dr. Susan  
Margulies



Dr. Dan Bogen



Dr. Elizabeth  
Widenbrant

# BE Freshman Faculty Advisors

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Dr. Jason  
Burdick



Dr. Christopher  
Chen



Dr. Kenneth  
Foster



Dr. Beth  
Winkelstein



Dr. Paul  
Ducheyne



Dr. Daniel  
Hammer



# BE Freshman Faculty Advisors

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Dr. Ravi  
Radhakrishnan



Dr. Andrew  
Tsourkas



Dr. Casim  
Sarkar



Dr. Gershon  
Buchsbaum



# Other Resources

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- Special Program Advisors
- Advising for Graduate School, Pre-med, Pre-Law, Business, and Entrepreneurship
- Study abroad advisor
  - Dr. Dan Bogen
- Academic Programs Office (111 Towne)

# Academic Planning

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- Courses
- Degrees, Majors, & Minors
- Career-Planning:
  - Medicine, Law, Business, Graduate School
- Study-Abroad

# Student Services

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- APO: Academic Programs Office (111 Towne)
- SHS: Student Health Services
- CAPS: Counseling and Psychological Services
- Office of Learning Resources
- Tutoring Center
- Writing Center
- Mentor Programs
- Library

# Your To-Do List

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- Read your PENN email
- Read the material that we sent you
- Sign up for the correct courses
- Take every placement exam you possibly can
- Don't worry about BSE vs. BAS
- Read your PENN email

# BSE/BAS Freshman Year

## (Subject to Variation from AP Credits)

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<u>Fall Semester</u>	<u>Spring Semester</u>
BE-100	SSH/Writing Requirement
CHEM-101	CHEM-102
CHEM-053	CHEM-054
MATH-104	MATH-114
PHYS-140 (Pre-Meds: PHYS-150)	PHYS-141 (Pre-Meds: PHYS-151)

# AP Credits

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- Consider applying for or taking the placement tests for all AP credits for which you can reasonably qualify

*Pre-Meds beware.*

- Bioengineering AP credit site

<http://www.seas.upenn.edu/be/undergrad/curriculum/ap/>

# Course Waivers

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- BE recognizes all official documented waivers given by other Penn programs and they will appear on the transcript

A waiver relieves you from taking the requirement or a prerequisite for an advanced course. Waivers do NOT count as having taken the course or towards your total distributional requirements, you have to take another course in the category instead.

*Pre-Meds beware*

# Flexibility

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- Two degrees: BAS & BSE
- Electives
- Substitution of courses by petition:
  - Engineering for engineering
  - Science for science
- BUT, our responsibility is your BE degree

# Can't Get the Course You Want?

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- Keep trying
- Visit departmental office
- Talk with professor
  
- After YOU do these three, then contact Ms. Catherine Lawrence  
([cathy37@seas.upenn.edu](mailto:cathy37@seas.upenn.edu))

# Plan on Graduate School, Medical School, or Research & Development?

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Make research experience an important component of your curriculum

# Research Experience

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- The lab is different from the classroom
- One-year senior design (BSE) or senior project (BAS)
- Two more research or independent study course units allowed towards degree requirements.
- Independent biomedical research can be done anywhere at Penn, including the Hospital of the University of Pennsylvania, Children's Hospital, Veterans Administration Hospital and more.
- Great credential for jobs, graduate school and medical school and source of professional recommendations.

# Things Freshmen Do ... But Shouldn't

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- Don't take required courses.
- Transfer in their minds.
- Don't seek help early.
- Forget that they're among equals.
  - Competition is MUCH stiffer.
  - EVERYONE has a tough time.

# More Things Freshmen Do ... But Shouldn't

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- Forget that we are here to help.
  - PENN is a very people-oriented, friendly place
- Forget that an ounce of prevention is worth a pound of cure.
  - Do it **NOW!**
  - Follow-Up

# Next

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- Questions
- Picnic
- More information coming by e-mail:  
**CHECK YOUR SEAS ACCOUNT!**

# Student Societies

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- Biomedical Engineering Society (BMES)  
Student Chapter

[www.seas.upenn.edu/~bmes](http://www.seas.upenn.edu/~bmes)

- IEEE Engineering in Medicine and Biology  
Society (EMBS)

# BMES Board

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**President:** Matthew Canver '10

**Vice President:** Charlotte Tsui '09

**Secretary:** Dan Irwin '10

**Treasurer:** Dheepa Sekar '10

**Webmaster:** Steve McGill '10

Freshman Representative: Could Be You!

Freshman Representative: Could Be You!

# EMBS Board

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**President:** Matthew Canver '10

**Vice President:**

**Secretary:**

**Treasurer:**

**Webmaster:**

Freshman Representative:

Freshman Representative: