WELCOME!

College of Engineering and Applied Science

Class of 2023

Anne Hoehn
Academic Director
Aerospace Engineering & Engineering Mechanics
- Aerospace Engineering-BS, MS, PhD
- Engineering Mechanics-MS, PhD
- Fire Science Technology-AAS, BS

Mechanical & Materials Engineering
- Materials Science-MS, PhD
- Mechanical Engineering-BS, MS, PhD
- Mechanical Engineering Technology-BS

Biomedical Engineering
- Biomedical Engineering-BS, MS, PhD

Chemical & Environmental Engineering
- Chemical Engineering-BS, MS, PhD
- Environmental Engineering-BS, MS, PhD
- Environmental Science-MS, PhD

Engineering Education
- Freshman Engineering Programs
- Research in Teaching & Learning
- Course Development
- Learning Center

Electrical Engineering & Computer Science
- Computer Engineering-BS, MS
- Computer Science-BS, MS
- Computer Science & Engineering-PhD
- Electrical Engineering-BS, MS, PhD
- Electrical Engineering Technology-BS

Civil & Architectural Engineering and Construction Management
- Architectural Engineering-BS
- Civil Engineering-BS, MS, PhD
- Construction Management-BS

Masters of Engineering-MEng
Academic Success

- Staying on Track
- Policies
- Resources
- Tips For Success
- Computing Center
- Co-op
Advising

University of Cincinnati Advising Mission & Vision

MISSION

The Advising Community engages and supports students through teaching & collaboration to achieve their academic, personal, and professional goals.
Advisor Responsibilities are to Help Students...

- Understand The Curriculum
- Know Graduation Requirements
- Be Aware of University Policies & Procedures
- Develop Realistic Goals
- Utilize Resources & Services
- Monitor & Document Progress
- Help Students Get Connected
Student Responsibilities are...

• Connect!
• Be an Active Learner
• Ask Questions
• Become Knowledgeable about College & University Programs, Policies, and Procedures
• Follow Up on Recommendations
• Keep Personal Records
• Accept Responsibility
• Participate!!!!!
CEAS Advisors

Kim Zimmerer
AE, CE, CM

Arnett Glassco
AERO

Megan Bucks
BME, ENVE

Darryl Daniels
CS, EET

Teresa Hamad
CompE, EE

Corinne Patterson
EASE, FEP

Linda Moeller
ChE

Emily Yeatts
ME, MET
CURRICULUM GUIDES

http://ceas.uc.edu/
Academic Progress

- GPA $\geq 2.000$ To Be In Good Standing
- Grades Are Reviewed By Your Advisor Each Term
- Non Passing Grades Are Flagged
- “Double Deficiency Rule”

2\textsuperscript{nd} F, UW, W in a \textit{Required Course}

May Result In Suspension Or Dismissal

TALK TO YOUR ADVISOR
Block Scheduling

- Small Groups of Students
- Enrolled in Common Classes
- Get To Know Each Other
- Form Study Groups
- Develop your own Engineering Identity
- Easiest Way To Register!

Students will receive an email from your advisor this evening with information about your schedule for registration tomorrow
Help in First-year Subjects: Calculus, Physics, Chemistry, Models I and II

8th Floor, Rhodes Hall

2:00 – 6:00 p.m. Monday-Thursday
LEARNING COMMONS

Academic Coaching

Academic Writing Center

Math & Science Support Center

Peer Tutoring

Supplemental Instruction

French Hall West
Math & Science Support (MASS)

- French Hall – West, Room 2133
- Help In Undergraduate Level Subjects
- Tutoring
- Small Group Study
- Workshops
- Wide Range Of Hours
Additional Support

- Experience-Based Learning & Career Education
- Counseling & Psychological Services CAPS
- Accessibility Resources
- Ombuds
Tips for Success

• Go To Class!  
  Go To Class!  
  Go To Class!

• Recognize that being a CEAS Student is a **Full-Time** Job!

• Expect to Spend > 50 Hours Per Week

• Limit Part-Time Jobs

• Use Resources

• Get Involved – Get Connected
Tips for Success

• If you commute, plan to *study with others* on Campus

• The dorm is *not conducive to study* — use the Library or any of the College buildings for study
QUESTIONS?
New Student Convocation &
College Day

Friday, August 24, 2018  9:30 am
NIPPERT STADIUM

Wear Red and Black!
College of Engineering & Applied Science
Office of College Computing (OCC)
Student Instructional Computing

2018-19 Academic Year
Student Owned Computing

- **Required by Start of Freshman Year**
- **Policy Rationale**
  - Cannot support personal computing
  - Can provide computer labs with CEAS software
  - Requirement allows costs to be included in financial aid considerations
- **Minimum requirements**
  - Note: AEEM, CAECM & MME have departmental requirements – available on OCC website
Why Own a Laptop?

► CEAS Students are Mobile
  - Use laptop in library, classroom, home, etc.
  - Faculty distribute information in Electronic Form
  - Access to course materials via Blackboard
  - CAUTION: NEVER leave a laptop unattended!

► University-wide Wireless
  - Support for wireless (802.11 b/g)
  - Encrypted
  - Wall-to-wall coverage in Engineering buildings
  - Portable set-up help in 636 ERC
Laptop Purchasing

► What Operating System? Windows vs. Macs
  ▪ Recommend Windows

► Where to buy?
  ▪ CEAS Dell Portal
    www.Dell.com/UC_CEAS

► How to spend $$$ wisely?
  ▪ MEMORY, MEMORY, MEMORY!
  ▪ Do not buy anti-virus software!
    McAfee is FREE to students!
Software Considerations

» Office365 (Windows/Mac) - Free Digital Download

» Instructions from http://www.uc.edu/ucit.html, under Hardware/Software

» Microsoft DreamSpark
OCC Labs

➢ OCC Computer Labs
  ▪ 6+2 User Account – provided at registration
  ▪ 12 Labs – 400 systems; classes scheduled
  ▪ 4 non-scheduled Lab – 125 systems
  ▪ 24 X 7 Access – 617 ERC, 548 Baldwin & Old Chem 803
  ▪ Video security in all Labs

➢ Focus on CEAS Workstations
  ▪ Hardware – 3-4 year Replacement cycle
  ▪ Software determined by Faculty
OCC Services

► Data Storage
  - 5 GB (CEAS Domain)
  - Unlimited (Box@UC) Data Storage

► Printing Services
  - 600 Pages per Semester quota
  - On-Request Color Printing for Projects, Reports 300 Pages Max. per Semester
  - Color Plotter (42”) per Instructor request
  - Mobile Printing
Resources

► College Computing
  Main Office – 636 ERC
► Student Consultants in
  Computer Labs
► OCC Staff:

Joe Dowd
Computer Systems Administrator
(513) 556-4821
Joe.Dowd@uc.edu

Mark Fassler
Information Technology Analyst
(513) 556-5307
Mark.Fassler@uc.edu

Megan Pfaltzgraff
Director of College Computing
(513) 556-1243
Megan.Pfaltzgraff@uc.edu
Questions?
Cooperative Education (Co-op)

- We invented it in 1906!
- Year-round participation with alternating between school and work terms
- Multiple progressive work terms
- Breadth and depth of work experiences
- Experiences must be career and/or discipline related
Cooperative Education (Co-op)

- Students participate in **paid full-time** work experiences (35+ hours / week)
- Student will receive **appropriate supervision**
- Student will be **formally evaluated**
- Students will complete **FIVE** semesters of co-op for combined 20 months of full-time employment
Cooperative Education (Co-op)

- 3600+ placements annually
  - 1200+ employers
  - $35 million in total student wages earned
- Average hourly salary is $17.24
- Students earn $55k over five semesters of co-op
Cooperative Education (Co-op)

Advantages of Co-op

- Confirm **major** and **career** direction
- **Test drive** your chosen field
- **Networking** with professionals
- **Earn money** to finance cost of education
- **Concrete** skill development
- Keeps you **motivated**
- Develop **maturity, confidence**
Commercial Partnerships
What is the Role of the Co-op Advisor?

• **WE ADVISE** by meeting with students individually or in groups, providing career advice

• **WE TEACH** the Introduction to Cooperative Education course (PD 1011) and/or the Mid-Curricular Co-op Community course (PD 2050), and through reflection after co-op rotations

• **WE DEVELOP JOBS** by maintaining relations with companies and reach out to new employers for new co-op opportunities for students
The Co-op Philosophy

• Co-op as a form of Experiential Learning
• Learning is off campus in the workplace
• Specific learning objectives for each co-op term focused on professional development
• Students debrief with faculty every school term
Requirements for Co-op

Students must apply and are accepted into the co-op program by meeting these eligibility requirements

- **Certified** by the college
- Successfully taking the **Intro to Co-op** course
- **Completed first year of coursework** in the academic program
What to Expect: Year 1

Fall
- Build academic record
- Participate in a Learning Community
- Adjust to collegiate life

Spring
- Enroll in the Intro to Co-op Course
- Begin the job search process
- Resume, interview skill development
What to Expect: Years 2 - 4

While on co-op
- Learning modules on professional soft skills
- Technical skill development
- Career exploration
- Networking

While in classes
- Post-co-op debrief with co-op faculty
- Review academic progress with discipline-specific academic advisors
Co-op Timeline

Freshmen
- S1
- S2
- S3
- C1
- C2
- C3
- C4
- C5
- C6
- C7
- C8

Sophomore
- S1
- S2
- S3
- C1
- C2
- C3
- C4
- C5
- C6
- C7
- C8

Pre-Junior
- S1
- S2
- S3
- C1
- C2
- C3
- C4
- C5
- C6
- C7
- C8

Junior
- S1
- S2
- S3
- C1
- C2
- C3
- C4
- C5
- C6
- C7
- C8

Senior
- S1
- S2
- S3
- C1
- C2
- C3
- C4
- C5
- C6
- C7
- C8

Courses:
- Architectural Engineering
- Construction Management
- Electrical Engineering
- Environmental Engineering
- Biomedical Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Mechanical Engineering
- Mechanical Engineering Technology
- Aerospace Engineering

Schools:
- Army (ARMY)
- USAF (USAF)
What to Expect: Years 2 - 4

Note on housing

• Students may make housing decisions in the spring semester BEFORE securing a co-op job

• Ask about co-op flexibility when looking for off-campus housing
What to Expect: Year 5

• While on Co-op
  – Interview for full-time position with co-op company
  – Enable co-op network

• Coming back to classes
  – Senior design capstone project
  – Participate in the Career Fair
  – Fine tune resume, interview skills
  – Graduate school?
International Opportunities

• International Experience Programs
  • Singapore, Hong Kong, Toronto, Cape Town, Santiago, London
  • Full-time, semester long professional experience

• International Co-op Program
  • Germany or Japan
  • Two co-op rotations
  • Intensive language & cultural preparation

• Short-term, Faculty-Led Study Abroad
  • Two weeks long
  • Company visits and cultural immersion
What Should I be Doing to Prepare for the Co-op Job Search Process?

• Mandatory does not equal guarantee
  • Must must prepare yourself to become a viable candidate for a co-op job
• Maintain a high grade point average
  • A high GPA enhances the chance for a co-op job
• Prepare a draft of your resume that includes everything you were involved in high school and the community
• Volunteer in the community
• Use your breaks (winter and summer) to prepare for the job search process
• The co-op faculty will be following up with students during the fall semester
EXPERIENCE-BASED LEARNING
AND CAREER EDUCATION

7th Floor
Steger Student Life Center
(513) 556-2667

www.uc.edu/careereducation/
experience-based-learning/co-op