WELCOME!

College of Engineering and Applied Science
Class of 2022

Anne Hoehn
Academic Director
Academic Success

• Staying on Track
• Policies
• Resources
• Tips For Success
• Computing Center
• Co-op
CEAS DEPARTMENTS

Aerospace Engineering and Engineering Mechanics

Biomedical Engineering

Chemical and Environmental Engineering

Civil and Architectural Engineering and Construction Management

Electrical Engineering and Computer Science

Mechanical and Materials Engineering

Engineering Education
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!!!!!
CURRICULUM GUIDES & DEGREE AUDIT

http://ceas.uc.edu/
University General Education

Foundational Skills:
• English Composition (2 courses)
• Quantitative Reasoning

Breadth of Knowledge
• Fine Arts (FA)
• Historical Perspectives (HP)
• Humanities & Literature (HU)
• Natural Science
• Social Science (SS)
University General Education

- Diversity & Culture (DC)
- Social & Ethical Issues (SI)
Academic Progress

- GPA $\geq 2.000$ To Be In Good Standing
- Grades Are Reviewed By Your Adviser Each Term
- F, UW, W, NP Grades Are Flagged
- “Double Deficiency Rule”

2nd F, UW, W in a Required Course
May Result In Suspension Or Dismissal

TALK TO YOUR ADVISOR
Learning Communities

- Groups Of 15-25 Students in the Same Major
- Take 4-5 Classes Together
- Meet with an Upper Class Peer Leader
- Get To Know Each Other
- Form Study Groups
- Easiest Way To Register!
CEAS Learning Center

- 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 Assistance Center

Resources

Academic Coaching

Academic Writing Center

Math & Science Support Center

Peer Tutoring

French Hall West
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
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
College of Engineering & Applied Science
Office of College Computing (OCC)
Student Instructional Computing

2017-18 Academic Year
CEAS OCC Website:
http://ceas.uc.edu/about/CollegeComputing.html

CEAS OCC Computer Policies:
http://ceas.uc.edu/about/CollegeComputing/Computing_Policies.html

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: CAECM has departmental requirements
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?**
  - UC Bookstore
  - Dell, Newegg Online
  - Best Buy, Sam’s, WalMart, etc.
  - take “Specifications” with you

- **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](http://www.uc.edu/ucit.html), under Hardware/Software

» Microsoft DreamSpark
OCC Labs

- **OCC Computer Labs**
  - 6+2 User Account – provided at registration
  - 10 Labs – 400 systems; classes scheduled
  - 3 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 – 4 year Replacement cycle
  - Software determined by Faculty
OCC Services

- **Lab Computing Services**
  - 1 GB (CEAS Domain) + Unlimited (Box@UC) Data Storage
  - Virtual Labs both Windows and Linux

- **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?
EXPERIENCE-BASED LEARNING AND CAREER EDUCATION
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
- Architectural engineering
- Construction management
- Electrical engineering technology
- Environmental engineering

Sophomore
- S3
- S4
- S5
- S6
- S7
- S8
- Biomedical engineering
- Chemical engineering
- Civil engineering
- Computer engineering
- Computer science
- Electrical engineering
- Mechanical engineering technology
- Aerospace engineering

Pre-Junior
- C1
- C2
- C3
- C4
- C5
- ICP

Junior
- C6
- C7
- C8

Senior
- C9
- C10
- C11

School
- Co-op
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