WELCOME!

College of Engineering and Applied Science

Class of 2021

Anne Hoehn
Academic Director
CEAS

Departments of….
Aerospace Engineering and Engineering Mechanics

Biomedical, Chemical, and Environmental Engineering

Civil and Architectural Engineering and Construction Management

Electrical Engineering and Computing Systems

Mechanical and Materials Engineering

Engineering Education
Academic Success

» Staying on Track
» Policies
» Resources
» Tips For Success
» Computing Center
» Co-Op
Learning the Language
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.
Adviser 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!!!!!
Parent Responsibilities are to….

- Keep Lines of Communication Open
- Encourage Independence & Responsibility
- Encourage Students to Get Connected
- Stay Informed
- Be Realistic
- Be Flexible
CEAS Advisers

Kim Zimmerer  
AE, CE, CM

Arnett Glassco  
AERO

Darryl Daniels  
CS, EET

Teresa Hamad  
CompE, EE

Rod Roseman  
FEP, EASE

Linda Moeller  
BME, ChE, EnvE

Emily Yeatts  
ME, MET
CURRICULUM GUIDES & DEGREE AUDIT

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

Two Bok Courses are Required, One Each in Two of These Four Areas:

• Fine Arts (FA)
• Historical Perspectives (HP)
• Humanities & Literature (HU)
• Social Science (SS)
GenEd Breadth of Knowledge (BoK)

Two BoK Courses, One in Each of These Two Areas are Required:

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

- GPA $\geq 2.000$ To Be In Good Standing
- Grades Are Reviewed By Your Adviser Each Term
- F, UW, X, W, WX, NP Grades Are Flagged
- “Double Deficiency Rule”
  
  2\textsuperscript{nd} F, UW, X, W, WX in a \textit{Required Course}
  May Result In Suspension Or Dismissal
- Grade Replacement Policy – 15\textsuperscript{th} Day

TALK TO YOUR ADVISERS – THEY ARE YOUR FRIENDS!
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
Math & Science Support (MASS)

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

Resources

Academic Coaching

Academic Writing Center

Math & Science Support Center

Peer Tutoring

Supplemental Instruction

French Hall West
Additional Support

- Center for Exploratory Studies
- Counseling Center
- Disability Services
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 to Study
College of Engineering & Applied Science

Office of College Computing (OCC)

Student Instructional Computing

2016-17 Academic Year

UNIVERSITY OF Cincinnati
CEAS OCC Website: http://ceas.uc.edu/about/CollegeComputing.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?
UC Co-op

it’s not just a job,
it’s an .....
Adventure
Adventure Course Exploration
(ok, it’s also a job)
Course Expectations

Students:
- Course where the classroom is offsite
- eLearning via “job”
- End-of term reflection

Employers:
- Major related assignment
- Mentor assessment
Course Outcomes

Students:
- Hard/soft skills
- Vocational trajectory
- Job + higher $$

Employers:
- Qualified and Proven talent
Co-op Invented @ UC in 1906

Experiential Learning is a part of the University’s GenEd requirement for graduation.

- 6000+ placements
- 1500+ organizations
- $50 million in wages
- $16/hr
- $40k per 5 semesters

* Locations of CEAS Placements, 2014
Co-op Invented @ UC in 1906

Experiential Learning is a part of the University’s GenEd requirement for graduation.

- 6000+ placements
- 1500+ organizations
- $50 million in wages
- $15/hr
- $40k per 5 semesters

Caution: Growth is outside SW Ohio
Commercial Partnerships

Honeywell
Duke Energy
Luxottica
Honda
Gulfstream
NASA
Messer
Belcan
GE Aviation
Bayer
P&G
TOYOTA
bp
Dow
Ford
Kroger
Martini
Intel
Commercial Partnerships

Caution

75% of opportunities come from firms you would not immediately recognize.
Co-op
(a form of Experiential Learning)

Student
- Specific learning objective
- Classroom is “off campus”
- Reflective practice

Co-op Faculty
- Responsible for Employer relationships
- Assist Employer in defining experiences

Concrete Experience
(doing / having an experience)

Active Experimentation
(planning / trying out what you have learned)

Reflective Observation
(reviewing / reflecting on the experience)

Abstract Conceptualisation
(concluding / learning from the experience)
Year 1

**Fall**
- Academic Priority
- Learning Community
- Adjustment to collegiate life

**Spring**
- Intro to Co-op Course
- Resume/Interview skill development
- Begin job search

*Survey Results:*
*Students interested in opportunities outside of Cincinnati.*

- Yes 78%
- No 22%
Year 1

Fall
- Academic Priority
- Learning Community
- Adjustment to collegiate life

Spring
- Intro to Co-op Course
- Resume/Interview skill development
- Begin job search

Survey Results:
Students interested in opportunities outside of Cincinnati.

Caution
Off Campus Housing contract may limit flexibility.
Year 2-5

Co-op
- Learning modules
- Skill development
- Vocational Exploration
- Network

School
- Post work reflection with co-op faculty
- Academic review with academic advisor
Co-op Options

International Co-op
- Japan / Germany
- Language development
- Cultural Course

Other
- Hong Kong Experience
- Singapore Experience
- EL Learning Courses
- Self-Directed

Engineers w/o Borders, Research, Study Abroad)
International Co-op

Final two experiences will be spring/summer abroad

3.0 minimum GPA for participation

Language and cultural courses for student prep

Not one event has changed my life as much as this experience. I now fear no map, subway, adventure, entrée, beverage, or autobahn. My tolerance is now my strongest trait.”
Year 5

Co-op
- Consolidate co-op experience
- Interview for full time position with co-op firm
- Enable co-op Network

School
- Senior Design Capstone
- Graduate School?
- Fall campus interviews
Success Factors

Ownership

- GPA
- Resume
- Job Placement
- Job Performance
- Extracurricular
Success Factors

Ownership

Caution

Initial co-op resume contains grades from 1st semester.

- Extracurricular
Tools for Success

Co-op Faculty
- We’re here for the journey
- Educator/Instructor
- Advisor

Other
- Learning Communities
- ACCEND/Honors/Pre-Med
- University Organizations
- Academic Advisors
UC ProPEL
Division of Professional Practice & Experiential Learning
www.uc.edu/propel