Topics for This Session

This presentation briefly touches the following topics—

- ✓ Brief Introduction to UAB Engineering Degrees and Policies

- ✓ Curriculum Requirements

- ✓ First-Term Schedule and Registration

- ✓ Review of Individual Schedules and Questions

- ✓ Next Steps after Orientation and Registration

UAB Engineering Degrees

Engineering Majors

- ✓ **Biomedical Engineering**

- ✓ **Civil Engineering**

- ✓ **Electrical Engineering**

- ✓ **Engineering Design**

- ✓ **Materials Engineering**

- ✓ **Mechanical Engineering**

Engineering Minors

- ✓ Applied Mechanics
- ✓ Biomedical Engineering
- ✓ Civil Engineering
- ✓ Electrical Engineering
- ✓ Engineering Design
- ✓ Engineering Science (not for engineering majors)
- ✓ Engineering World Health

- ✓ Environmental Engineering
- ✓ Materials Engineering
- ✓ Mechanical Engineering: Thermal Systems
- ✓ Mechanical Engineering: Mechanical Systems
- ✓ Neuroengineering
- ✓ Software Engineering

Policies

Engineering Laptop Policy

- All UAB engineering students must have a laptop:
  www.uab.edu/engineering/home/laptop

- Students who need assistance installing required software can request help from the School of Engineering IT group in EEC 264

- Please check with instructors on the first day of class to learn what software is required for each course

- Windows-based laptops only. Apple products or computers that use a Linux operating system may not run required engineering software

Undergraduate Catalog

- Information on all UAB degrees, degree requirements, and policies

- catalog.uab.edu/undergraduate/schoolofengineering

Advising in Engineering

Engineering Advisors

- You can see who your advisor is in BlazerNET

- Schedule appointments with your advisor with the Appointment Manager

Student Groups	Advisor
Last Names D – S and all postbaccalaureate students	Dr. Zoe Dwyer
Last Names A - C and T - Z	Prof. Andy Sullivan

Academic Advising

- Academic advising is mandatory for all engineering majors each term

- You will meet with your advisor at least once each term

- Registration Access Code (RAC) is required to register, drop/add, or withdraw from courses

RACs change each term, so the RAC you use to register tomorrow will not allow you to register for the next term.

Courses and Registration

Course Information

- Course numbering
  - 100-level are freshmen level courses
  - 200-level are sophomore level courses
  - 300-level are junior level courses
  - 400-level are senior level courses

- Register for at least **12 hours** to be considered a **full-time student**

- Registration for more than 18 hours requires course overload approval—this is NOT a good option for first-term freshmen

- Engineering degrees require successful completion of **128 specific hours**

Engineering Degree Requirements

- **128 Specified Hours**

- **43 of the 128 hours** are part of the Blazer Core Curriculum
  - *Local Beginnings* (3 hours)
  - *Academic Foundations* (16 hours)
    - Writing; Quantitative Literacy; Reasoning; Communicating in the Modern World
    - Quantitative Literacy is defined as MA 125 Calculus I for engineering majors
  - *Thinking Broadly* (21 hours)
    - History and Meaning; The Creative Arts; Scientific Inquiry; Humans and their Societies
    - Scientific Inquiry is defined as PH 221 & PH 222 General Physics I & 2 for engineering majors
  - *City as a Classroom* (3 hours)

- **85 of the 128 hours** are specified by your major and include
  - Additional math and science courses
  - Engineering fundamental courses
  - Major specific courses

Math and English Placement Tests

Math Placement Exam and English Course Placement requirements are listed on the Course Placement Page below

Courses for Your First Term

- Are based on your math placement
- Include a math based on math placement
- Include a first-year experience (FYE) course
- May include an English and/or science course

Engineering Advising Form

Student Name:		Date:	
Student #/BlazerID:	Major:	Fall Registration Access Code (RAC):	

COURSE CREDIT/PLACEMENT	FALL COURSES

COURSE CREDIT/PLACEMENT

AP/IB/Dual enrollment credit:

_____
_____
_____
_____
_____
_____
_____

Math Placement: _____

Math Placement Score: _____

ACT Math Subscore: _____

English Placement: _____

English Subscore: _____

Reading Subscore: _____

☐ Honors: _____
☐ ROTC: _____
☐ Band: _____

FALL COURSES

Freshman Writing (Academic Foundations):

☐ EH 101 English Composition I (3)

☐ EH 102 English Composition II (3)

☐ EH 106/096L Intro to Freshman Writing I (3)/Lab (1)

☐ Other: _____

☐ Complete

Creative Arts: (Thinking Broadly):

☐ Course: _____

☐ Not recommended first term

☐ Complete

Humans and their Societies: (Thinking Broadly):

☐ Course: _____

☐ Not recommended first term

☐ Complete

Other courses:

☐ Not recommended first term

☐ Other: _____

Quantitative Literacy (Academic Foundations):

☐ MA 098 Basic Algebra (3)*
↓
☐ MA 102 Intermediate Algebra (3)*
↓
☐ MA 105 Pre-Calculus Algebra (3)
↓
☐ MA 106 Pre-Calculus Trigonometry (3)
↓
☐ MA 125 Calculus I (4)
↓
☐ MA 126 Calculus II (4)
↓
☐ MA _____

☐ Complete

*will not satisfy Quantitative Literacy requirement

Local Beginnings (FYE) Course Options:

☐ EGR 200 Introduction to Engineering (3)*

☐ UASC 101 Exploring UAB (3)

☐ UASC 105 Keys to Academic Success (2)

☐ CAS 112 Success in College (3)

☐ BUS 101 Introduction to Business (3)

☐ PUH 101 Transitioning to Business, Exploring Public Health (3)

*Recommended for engineering majors and requires placement into MA 105 or higher in the precalculus sequence

Your School of Engineering Academic Advisor:

☐ Zoe Dwyer

☐ Andrew Sullivan

Scientific Inquiry (Thinking Broadly):

☐ CH 105 Introductory Chemistry (3) – for students who did not take a HS chemistry course*

☐ CH 115/115R/116 General Chemistry I & Lab (4)**

☐ Other:

_____

☐ Not eligible

☐ Complete

* note that this course will not satisfy engineering degree requirements

** requires placement into MA 106 or higher or refer to prerequisites in class schedule for ACT or SAT and HS GPA

Total Hours: _____

Course Placement

COURSE PLACEMENT

Math Placement:_____

Math Placement Score: _____

ACT Math Subscore: _____

English Placement:

_____

English Subscore: _____

Reading Subscore: _____

Course Options: Freshman Writing, Creative Arts, and Humans & Their Society

Freshman Writing (Academic Foundations):
☐ EH 101 English Composition I (3)
☐ EH 102 English Composition II (3)
☐ EH 106/096L Intro to Freshman Writing I (3)/Lab (1)
☐ Other: _____

☐ Complete

Creative Arts: (Thinking Broadly):
☐ Course: _____
☐ Not recommended first term
☐ Complete

Humans and their Societies: (Thinking Broadly):
☐ Course: _____
☐ Not recommended first term
☐ Complete

Math Course Information

Quantitative Literacy (Academic Foundations):

☐ MA 098 Basic Algebra (3)*

↓

☐ MA 102 Intermediate Algebra (3)*

↓

☐ MA 105 Pre-Calculus Algebra (3)

↓

☐ MA 106 Pre-Calculus Trigonometry (3)

↓

☐ MA 125 Calculus I (4)

↓

☐ MA 126 Calculus II (4)

↓

☐ MA _____

☐ Complete

*will <u>not</u> satisfy Quantitative Literacy requirement

Local Beginnings

Local Beginnings (FYE) Course Options:

☐ EGR 200 Introduction to Engineering (3)*

☐ UASC 101 Exploring UAB (3)

☐ UASC 105 Keys to Academic Success (2)

☐ CAS 112 Success in College (3)

☐ BUS 101 Introduction to Business (3)

☐ PUH 101 Transitioning to College, Exploring Public Health (3)

*Recommended for engineering majors and requires placement

into MA 105 or higher in the precalculus sequence

Scientific Inquiry (Thinking Broadly)

Scientific Inquiry (Thinking Broadly):

- ❑ CH 105 Introductory Chemistry (3) – for students who did not take a HS chemistry course
- ❑ CH 115/115R/116 General Chemistry I & Lab (4)* - assumes that the student has completed a HS chemistry course
- ❑ Other: _____
- ❑ Not eligible
- ❑ Complete

*requires placement into MA 106 or higher, refer to prerequisites in class schedule for prerequisite ACT (or SAT) and HS GPA

Initial Outreach: Incoming Student Recruitment

To: Incoming UAB student

Voluntary Participation in Research Study on Academic Advising

Greetings Prospective Participant,

The purpose of this study is to identify student and academic advisor perspectives on the expectations of academic advising.

Eligible participants must be:

• Between the ages of 18 and 89, and

• An incoming UAB student (transfer students included)

Participants will be asked to:

Complete the survey (see QR code/link below). The survey should take no more than 10 minutes.

Participation in this study is voluntary. At any point within the research process if you would like to discontinue participation, you are welcome to do so. There are no expected risks to this study.

Your participation in the research study will remain confidential. In published reports and presentations there will be no information included that will make it possible to identify you. Research records will be stored securely, and only approved researchers will have access to records.

If you have concerns or complaints about the research, the researchers conducting this study can be contacted by phone or at the following email address: Principal Investigator- Dr. Tyna Adams 205-934-6025 or email tmadams2@uab.edu or Co-Investigator Evan Reddick at 205-975-9214 or email at ereddick@uab.edu

If you are interested in participating in this study, please use the QR code or link below to the survey. By completing the survey, you are consenting to allow your responses to be used in this research.

https://uab.co1.qualtrics.com/jfe/form/SV_cU7eMc3NL5duplI

If you have questions about your rights as a research participant or concerns or complaints about the research, you may contact the UAB office of the IRB (OIRB) at (205) 934-3789 or toll free at 1-855-860-3789. Regular hours for the OIRB are 8:00 a.m. to 5:00 p.m. CT, Monday through Friday

https://www.uab.edu/engineering/
home/orientation

Registration Notes

- ✓ Bring your engineering folder with your fall schedule to the afternoon session tomorrow

- ✓ Make sure you know your BlazerID and password

- ✓ Try logging into BlazerNET before tomorrow's 2:40 pm session

- ✓ Be ready to register for classes during tomorrow's session—YAY!

Review Advising Forms