



Transfer student
conference



TEXAS A&M UNIVERSITY

Wm Michael Barnes '64 Department of
Industrial & Systems Engineering

Howdy

Today's Agenda

- ISEN: Major Introduction
- Introduction to the Department
 - Academic Advising
 - Communication Expectations
 - Facilities
- ISEN: The Degree
 - Major Coursework
 - Supporting Coursework
- Departmental Policies
- Student Opportunities
 - How to Get Involved
- Student Resources



The Undergraduate Programs Office



Dr. Amarnath Banerjee
Associate Head of
Undergraduate Affairs



Emily Kaufman Baumann
Assistant Director
Undergraduate Affairs



Jeana Goodson
Senior Academic Advisor/EAS
Advising Coordinator



Alexander Nagy
Academic Advisor



Miriam Morales
Academic Advisor

Visit us!

Schedule an
appointment on
Navigate & look out
for events.



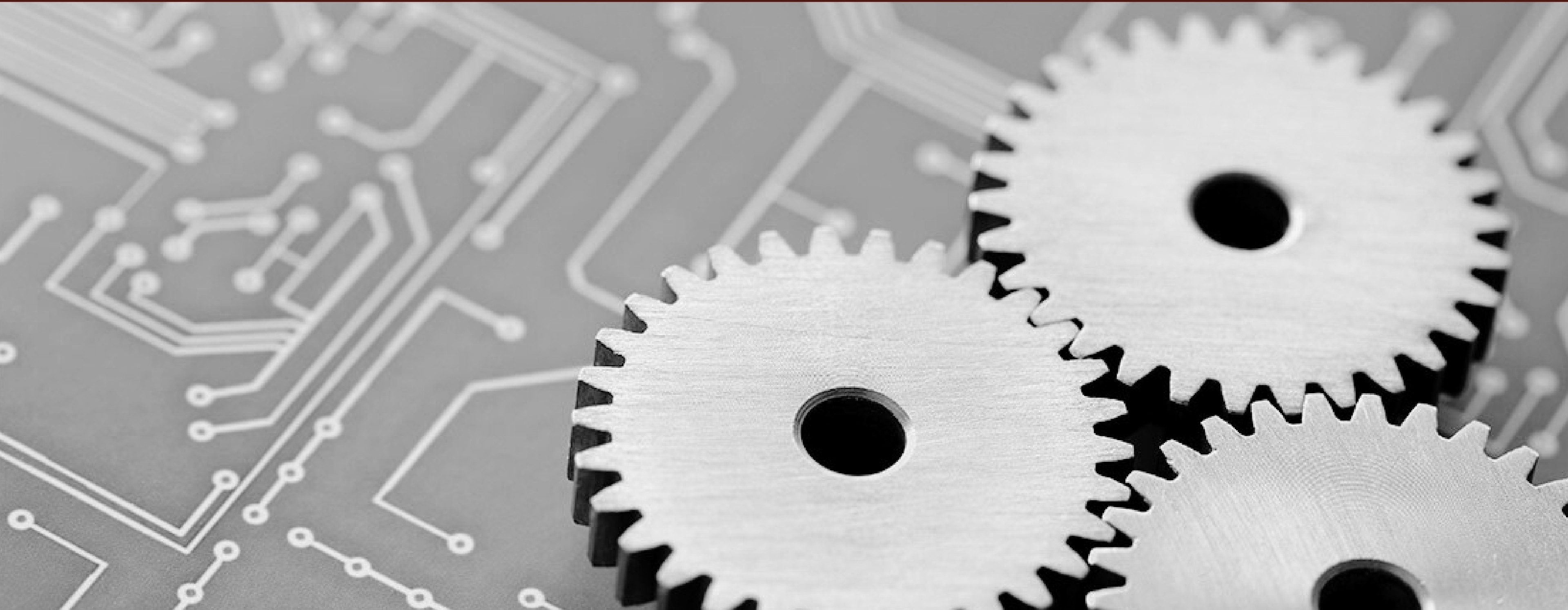
Departmental Academic Advising

- Location
 - 4th Floor of the Emerging Technologies Building (ETB)
- How to meet with an advisor?
 - No assigned advisors
 - By appointment on Navigate (Howdy)
 - Walk-in hours will be posted on Navigate for semester

Make an
Appointment Here:



ISEN: An Introduction to Your Major





INEN Major Overview

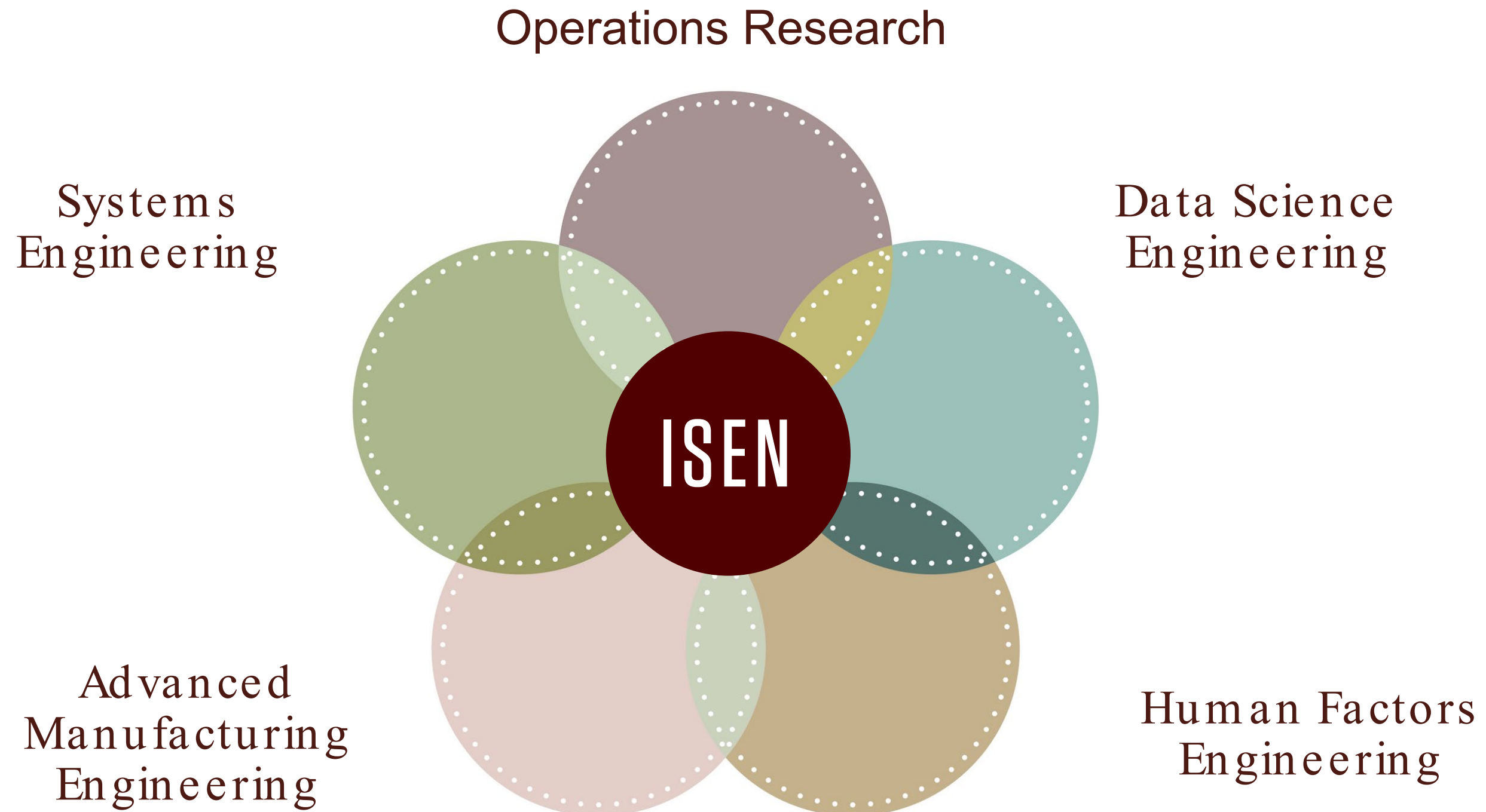
What IEs do....

- Devise more efficient, safe, and economical systems
- Integrate workers, machines, materials, information, and energy to provide better products and services
- Improve an organization's bottom line (\$\$) to remain competitive

The systems IEs engineer....

- Aerospace
- Automobile
- Finance
- Manufacturing
- Healthcare
- Entertainment
- Retail
- Sports
- Logistics
- Transportation
- Urban Planning
- **EVERYTHING!**

Department Areas of Research



Industrial Engineering Body of Knowledge



Work Design & Measurement



Quality & Reliability Engineering



Safety



Operations Research & Analysis



Operations Engineering & Management



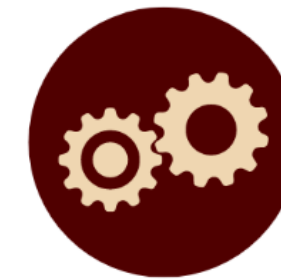
Information Engineering



Engineering Economic Analysis



Ergonomics & Human Factors



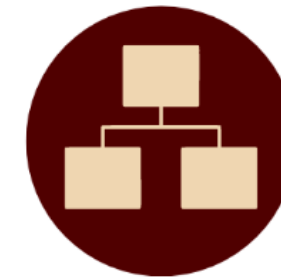
Design & Manufacturing Engineering



Facilities Engineering & Energy Management



Supply Chain Management



System Design & Engineering



Product Design & Development



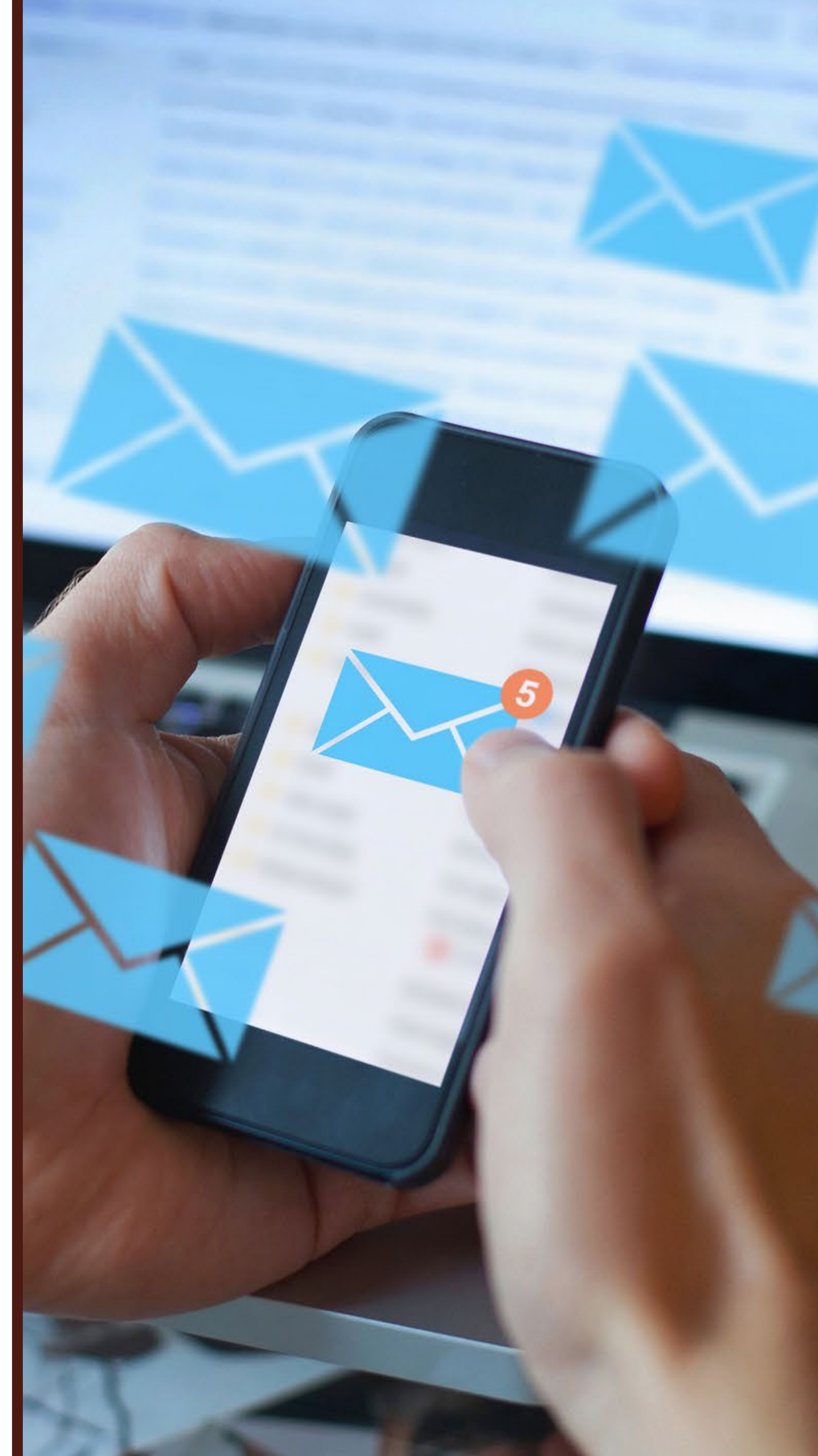
Engineering Management

An Introduction to the Department



Communication

- To Email an Advisor:
 - ieundergradadvising@tamu.edu
- E-mail Etiquette:
 - Always use TAMU email address
 - Always include full name & UIN
 - Keep email brief
 - Allow 48 hours for a reply
 - Be respectful, courteous and professional

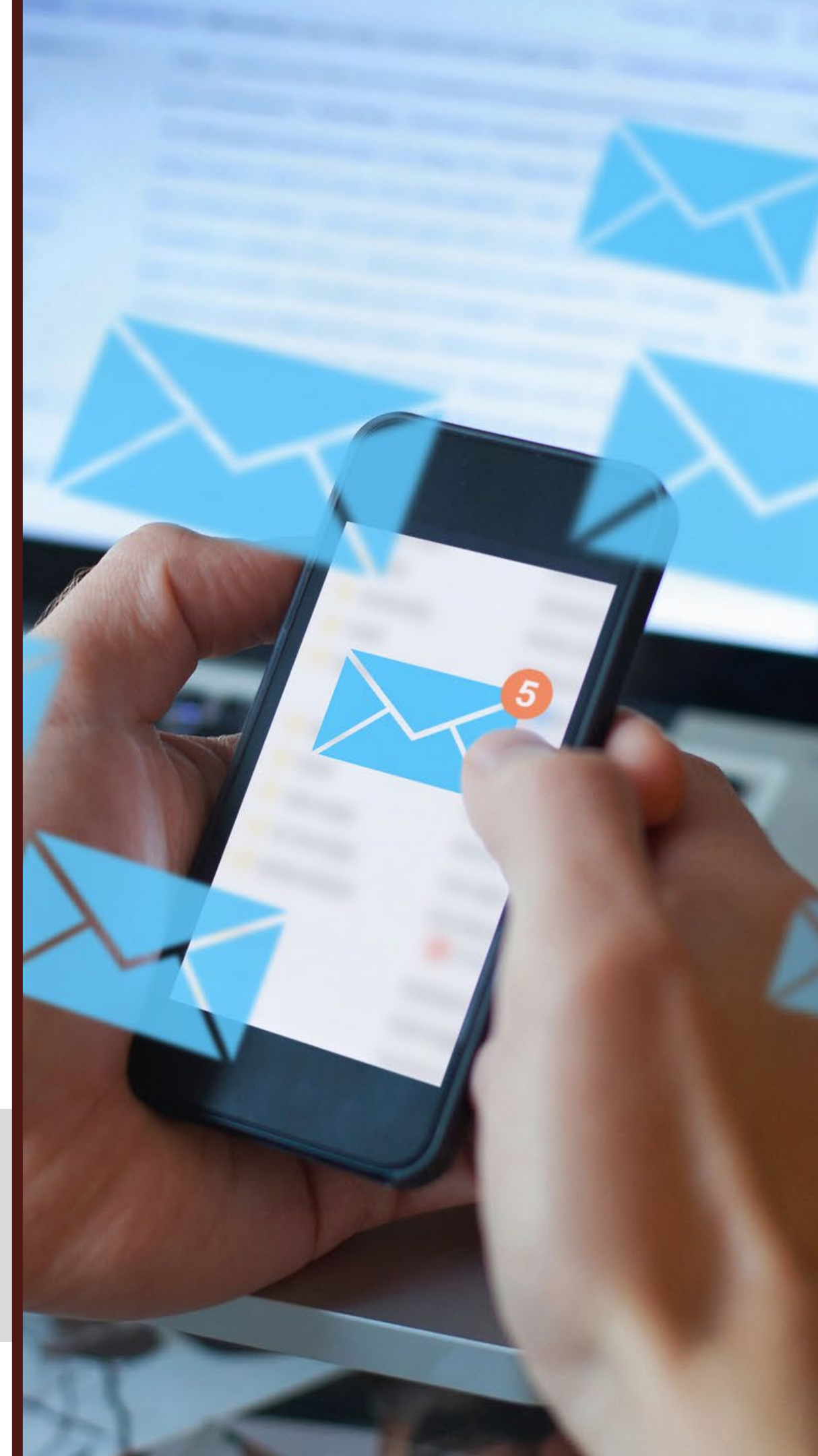


Communication

- Official TAMU email is the main form of communication
- Check TAMU email DAILY for important notices:
 - ieundergradvising@tamu.edu = General Reminders
 - isenannouncements@tamu.edu = **Opportunities**
- Email directly from an advisor = action needed from you!

Organization Suggestion: Color-code advisor emails!

"Make Important Emails Stand Out": tx.ag/ISENsuggestion



Sample Email

Howdy,

I am trying to register for ISEN 320-503. I took MATH 304 at HCC this summer. I received approval from Jeana. Attaching email approval and unofficial transcript with final grade. Can I receive an override to register? The CRN is 45628.

Thank you,

First Name, Last Name

UIN

Clearly state your question or request

Note if you worked with another advisor

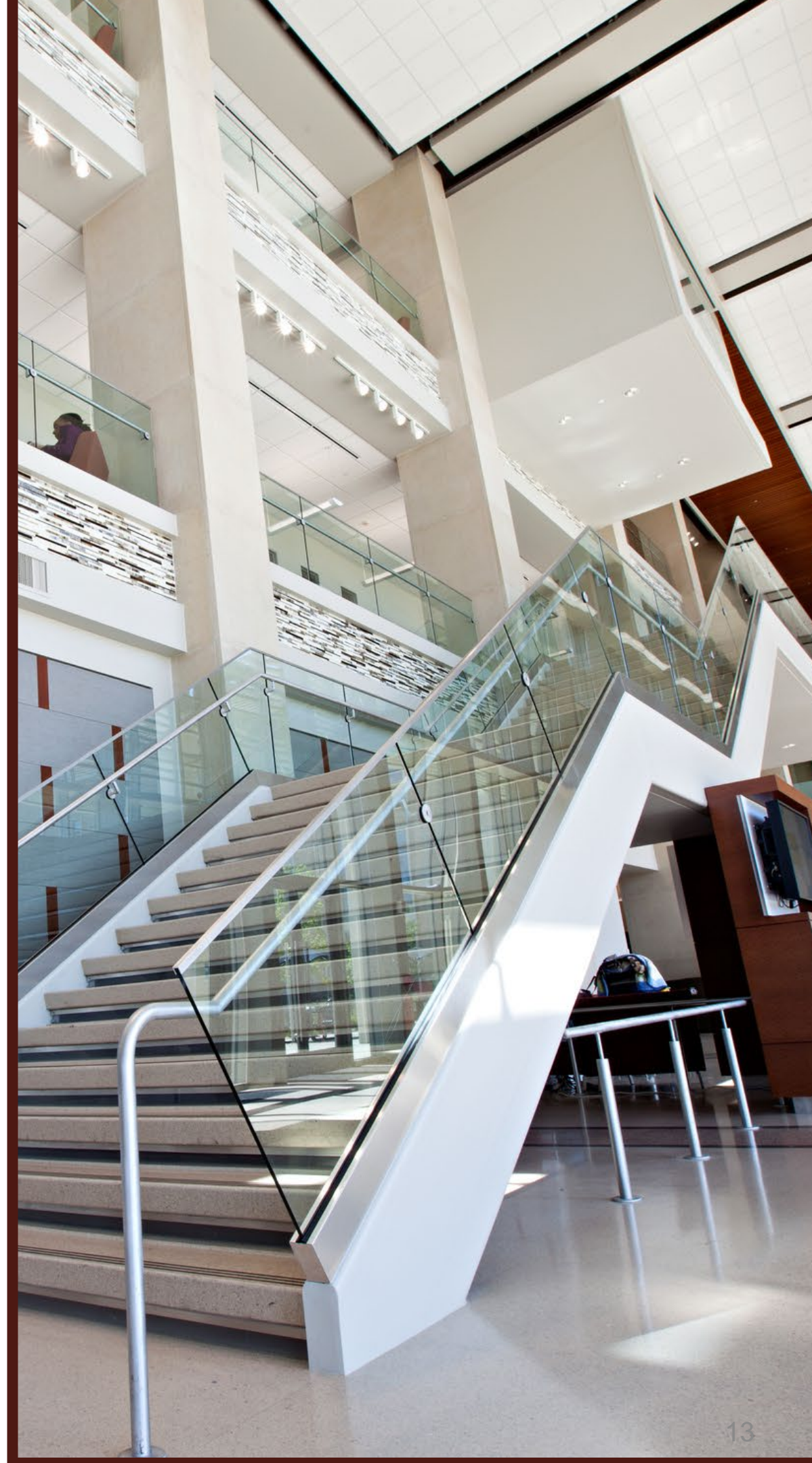
Attach needed documentation

The more information the better!

Include your full name and UIN!

Facilities

- The Emerging Technologies Building (ETB) is home to ISEN
- ID Controlled Access
 - If issues with access, contact building proctor:
Mr. Murat Kaynak, engrfpm-270@tamu.edu
- Some after hours access to ETB 1027 & 2026 for ISEN majors
- Student fridge and microwave: ETB 3rd floor next to 3009
- Remote desktop access: VMware Horizon Client
 - <https://coe-connect.engr.tamu.edu/>
- ISEN IT Helpdesk (open during normal business hours)
 - isen-helpdesk@tamu.edu
 - Room 3019
 - (979) 458-2384



ISEN: The Degree



ISEN Curriculum Snapshot

- ISEN Major Coursework
- Supporting Coursework
- Technical Electives
- University Core Curriculum
- Additional Graduation Requirements –
(Ex: Foreign Language Requirement, ICD/CD,
ISEN 399, W & C courses, etc.)

Major Coursework Area (31 hrs)

Rule	Requirements	
A.	ISEN 210 2hrs Must make a grade of 'C' or better.	Fundamentals of ISEN design
B.	ISEN 302 2hrs Must make a grade of 'C' or better.	Economic Analysis of Engineering Projects
C.	ISEN 230 3hrs Must make a grade of 'C' or better.	Informatic for Industrial Engineers
D.	ISEN 310 3hrs Must make a grade of 'C' or better.	Uncertainty modeling for Industrial Engineering
E.	ISEN 320 3hrs Must make a grade of 'C' or better.	Operations Research I
F.	ISEN 330 3hrs Must make a grade of 'C' or better.	Human Systems Interactions
G.	ISEN 340 3hrs Must make a grade of 'C' or better.	Operations Research II
H.	ISEN 350 3hrs Must make a grade of 'C' or better.	Quality Engineering
I.	ISEN 355 3hrs Must make a grade of 'C' or better.	System Simulation
J.	ISEN 370 3hrs Must make a grade of 'C' or better.	Production Systems Engineering
K.	ISEN 460 3hrs Must make a grade of 'C' or better.	Capstone Senior Design

Supporting Coursework (40 hrs)

Rule Requirements

- A. ENGR 102 2hrs
Must make a grade of 'C' or better.
- B. ENGR 216 or PHYS 216 2hrs
Must make a grade of 'C' or better.
- C. ENGR 217 or PHYS 217 2hrs
Must make a grade of 'C' or better.
- D. MMET 181 or ISEN 281 3hrs
Must make a grade of 'C' or better.
- E. Computer Sci Elect 4hrs
Select from CSCE 110, 111, 120, 206.
Must make a grade of 'C' or better.
- F. MEEN 221 3hrs
Must make a grade of 'C' or better.
- G. MSEN 222 3hrs
Must make a grade of 'C' or better.
- H. Engineering Elect 3hrs
Select from BAEN 320; ECEN 215; MEEN 315.
Must make a grade of 'C' or better.
- I. ISEN Elective 12hrs
“Tech Electives” –tx.a g/ISENELECTIVES
Must make a grade of 'C' or better.
- J. Directed Elective 6hrs

Take Tech Electives in one or more of these concentrations:

- Operations Research
- Health and Human Systems
- Data Sciences (AI, ML, ...)
- Advanced Manufacturing
- Systems Engineering and Engineering Management

... and/or get a minor in another discipline!

Important Policies



College and Department Policies

- Grade of C or better in all courses
- Repeated courses : credit is only earned once, additional class counts for GPA
- 3-peat Rule: Students may attempt a course no more than 3 times. Failure to pass required coursework with a C or better by the 3rd attempt will result in dismissal from the department.
***q-drops, withdrawals, & transfer courses all count as attempts*
- Transfer Credit: send transcript to TAMU, discuss with advisor if taking non-core class at other institution [Aggie One Stop - Send Transcripts \(tamueducation.com\)](https://www.tamueducation.com/AggieOneStop/SendTranscripts)
- Q-drops- 4 at TAMU, 6 state wide
- Prerequisites: requirements that a student must complete before enrolling in a more advanced course or program. All prereqs are enforced.

Probation and Block Policies

- Probation

- Academic Probation is special permission by your college or department to continue at Texas A&M for one semester even though you have not met the academic requirements to remain.

- <2.0 GPA in the semester GPA
- <2.0 in-major GPA
- <2.0 cumulative TAMU GPA

- Block

- Hold placed on account that prevents registration.

- Probation
- Dismissal
- Closet Major
- Incomplete Degree Planner

Student Opportunities



Enrichment Opportunities



Co-Ops

- Must take ISEN 230 first
- Earn academic credit AND real-world experience!



Internships

- Not required but encouraged
- Real-world experience



Study Abroad

- Faculty-led in Egypt, Greece, India, etc.
- Reciprocal Exchange: ENSAM

Enhance Your Degree



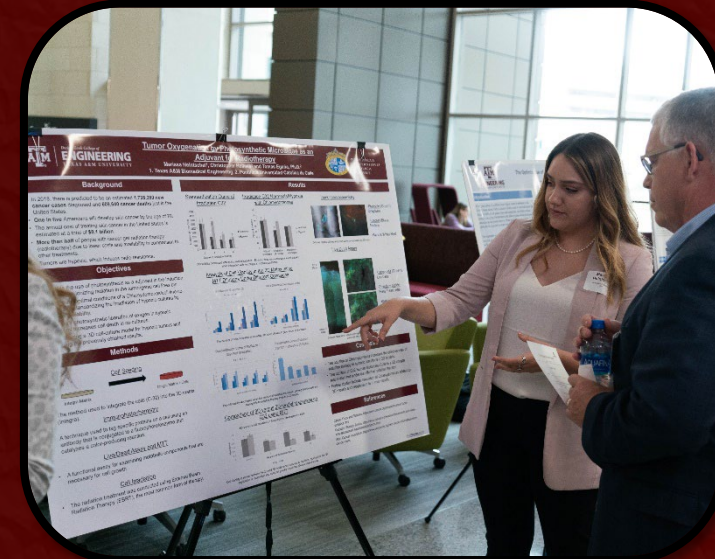
Popular Minors

Business
Engineering Project
Management
Statistics
Computer Science



Accelerated Programs

3+2 MSF
3+2 MPH
ISEN Fast Track



Research

Advanced Manufacturing
Operations
Data Science
Health & Human Systems

More on Undergraduate Research...

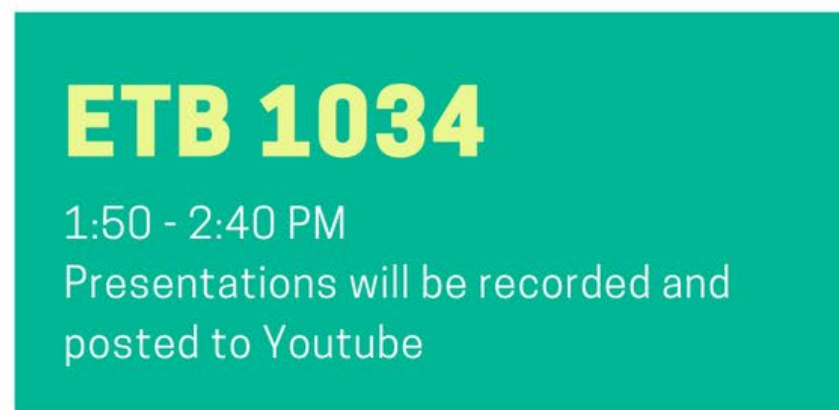
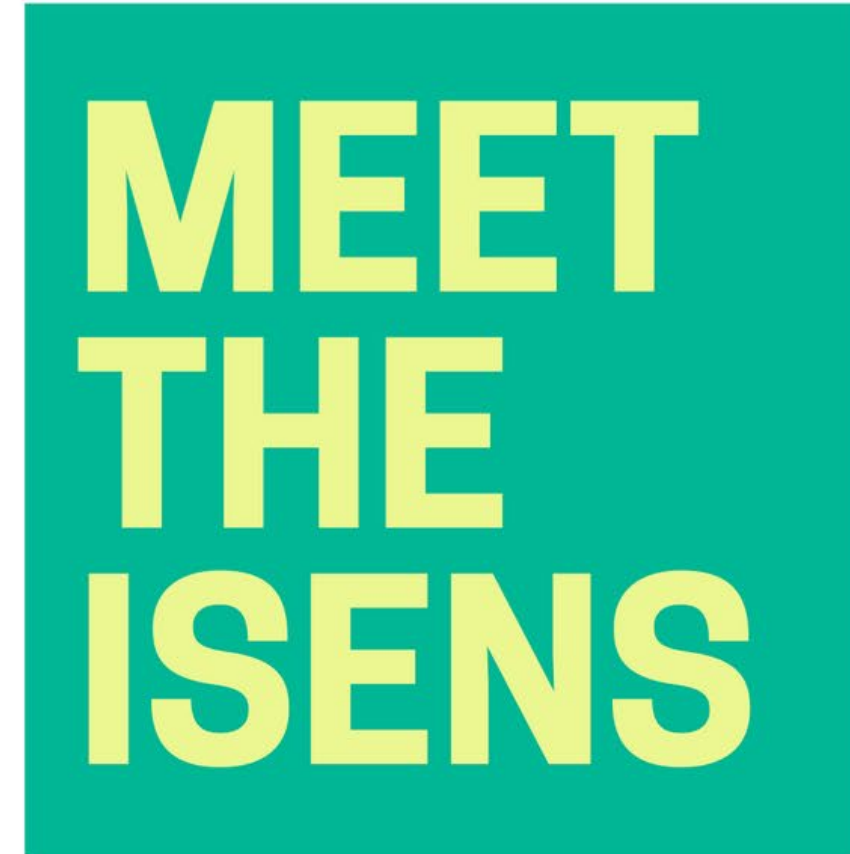
- Many opportunities
 - Available in the different ISEN research areas
 - Contact Dr. Banerjee for available opportunities
- Meet the ISENS
 - Research Expo for undergraduates
 - Held each semester
- Always keep an eye on your email!



MEET ISEN
FACULTY

LEARN ABOUT
RESEARCH

FIND A
RESEARCH
MENTOR!



Student Resources



Study Tips & Tricks

1. Go to class!
2. Prepare for, participate in, and review each class
3. Sit up front
4. Build relationships with faculty
5. Beat procrastination
6. Know your mind and body
7. Break up big projects into smaller tasks and schedule backward from due dates
8. Sleep well, eat healthy, and exercise
9. Be purposeful
10. Meet with an academic coach.

[http://asc.tamu.edu/Study-Learning-Handouts-\(1\)/Tips-for-Success](http://asc.tamu.edu/Study-Learning-Handouts-(1)/Tips-for-Success)

Texas A&M's Academic Success Center Study Tips



GET ENOUGH SLEEP



so that your brain has the opportunity to consolidate new knowledge.



BREAK STUDY TIME INTO SMALL CHUNKS

Space your learning over multiple days.



Know Your Body. Study when you are at your **MOST ALERT.**



TURN HEADINGS INTO QUESTIONS

and read paragraph by paragraph for comprehension.



TEST YOURSELF FREQUENTLY

when you study, so you can practice retrieving information.



Career Center ISEN Support: ZACH Suite 101



Roland Block
Associate Director



Brad Collet '93
Assistant Director



James Dwyer '12 (MBA)
Career Coordinator

Call for appointments or office hours:

979.845.5139

ZACH 283 – ENGR

Koldus 209 – Main

Counseling & Mental Health Center

- Resources are available for you. Let us know how we can help or reach out to:
 - uhs.tamu.edu/mental-health/index.html#
 - engineering.tamu.edu/student-life/student-counseling-service-in-zachry.html

The [TELUS Health Student Support app](#) provides FREE, immediate 24/7 real time chat and phone support, along with virtual single session and short-term counseling. Users also gain access to an extensive digital content library, containing articles, podcasts, infographics and videos addressing a variety of wellbeing topics, as well as access to free virtual fitness sessions.

STUDENT COUNSELING & MENTAL HEALTH CENTER

471 Houston St. | 1263 TAMU
College Station, TX 77843-1263

STUDENT HEALTH CENTER

311 Houston St. | 1264 TAMU
College Station, TX 77843-1264

UNIVERSITY HEALTH SERVICES CONTACT

📞 979.458.4584

uhsinfo@tamu.edu

Carmen Mota, M.A., LPC-S
Licensed Professional Counselor -
Supervisor

Schedule your first meeting using
the [UHS appointment portal](#).

UHS phone number: 979-845-4427

Direct line: 979-458-6866

Email: cmota@tamu.edu

Location: ZACH 382E



Professional Societies



ALPHA PI MU
TEXAS A&M UNIVERSITY



TEXAS A&M
UNIVERSITY®

Student Chapter




TEXAS A&M UNIVERSITY

Wm Michael Barnes '64 Department of
Industrial & Systems Engineering

Contact us

 Emerging Technologies Building

 979.845.5531

 ieundergradadvising@tamu.edu

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 @ISEN.TAMU