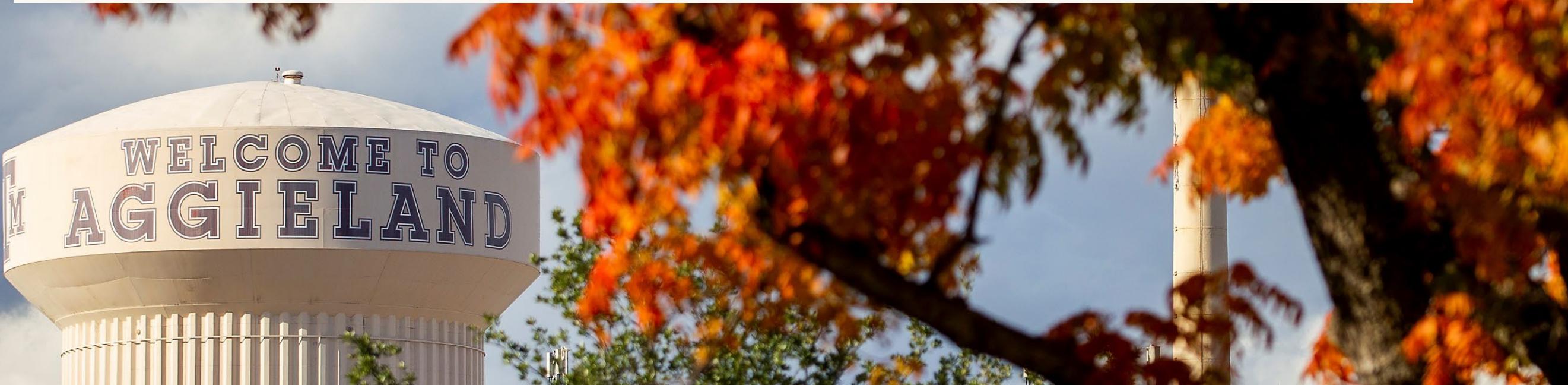




WELCOME TO ISEN



Agenda

- About ISEN
- Academic Advising Information
- Degree Plan Overview
- Department Policies
 - Departmental Scholarships
 - 2-Peat Policy
 - Academic Probation
 - Academic Dishonesty
- Other Things to Know



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 III



Miriam Morales
Academic Advisor II

Visit us!

Schedule an
appointment on
Navigate & look
out for events.



Industrial Engineering (INEN)

Focuses on design, installation, improvement, and control of integrated systems of people, materials, and facilities.

In short Engineers make things
Industrial Engineers make things
better





TEXAS A&M UNIVERSITY
Wm Michael Barnes '64 Department of
Industrial & Systems Engineering

#8

UNDERGRADUATE PROGRAM

#6

GRADUATE PROGRAM

*Among public
universities*

More About Our Department

- Department founded in 1939
- Best and largest IE program in Texas and in a 700-mile radius
- ABET accredited IE Program
- Award winning faculty and staff
- Very active student chapters





INEN Major Overview

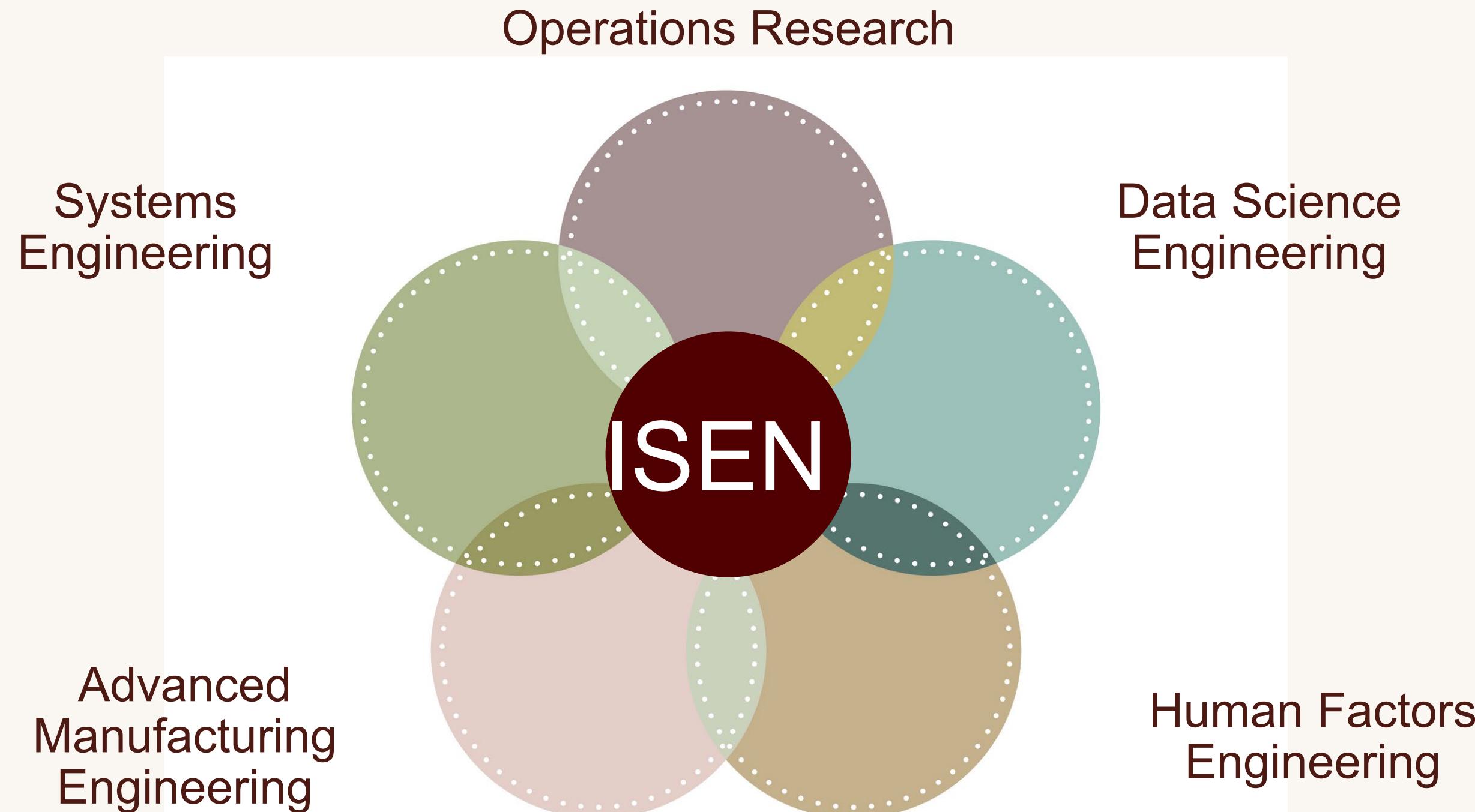
What IEs do....

- 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

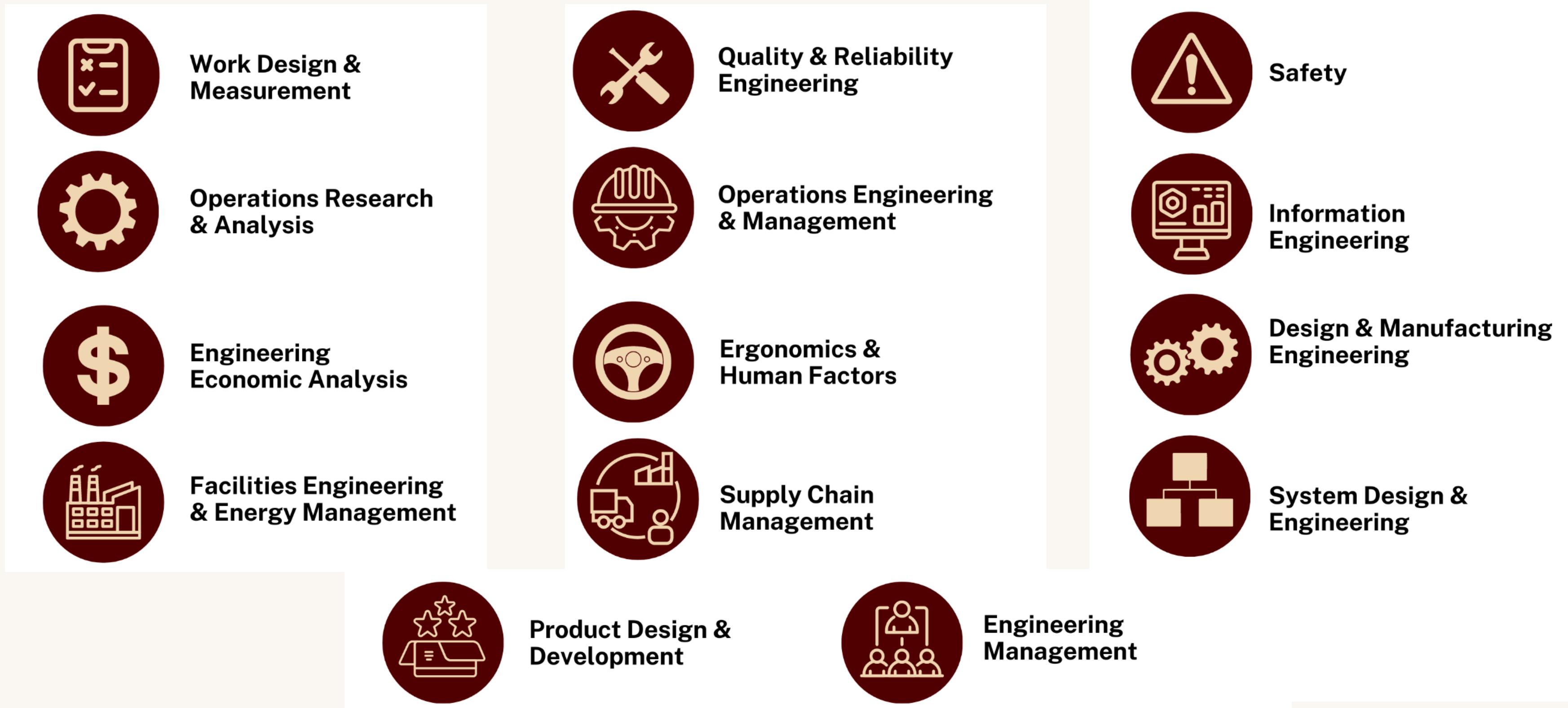
The systems IEs engineer....

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

Department Areas of Research



Industrial Engineering Body of Knowledge



Job Titles

Science/Technology

- **Program Management Engineer**, Texas Instruments
- **Support Engineer**, Microsoft

Manufacturing

- **Continuous Improvement Engineer**, Smith System Manufacturing
- **Die Designer**, Ellwood Texas Forge

Transportation

- **Global Supply Analyst**, Tesla Inc.
- **Human Factors Engineer**, Boeing

Financial/Banking

- **Data Scientist**, Bank of America
- **Business Technology Solution Analyst**, Deloitte

Government/Defense

- **Industrial Engineer**, Lockheed Martin
- **Operations Research Analyst**, US Air Force

Commercial/Supply Chain

- **Supply Chain & Engineering Associate**, Frito-Lay
- **Facilities Operation Manager**, PepsiCo

Want More Information?

Check out the Career Center Survey
Data: tx.ag/IEcareers



Who's Hiring

Science/Technology



ORACLE



Google



Manufacturing



Financial/Banking

Deloitte. citibank



Raytheon



Healthcare



Commercial/Supply Chain

STAPLES

TARGET

PEPSICO



amazon

Walmart

H-E-B

Transportation



and
MANY
MORE!

Hiring Prospects

From the Occupational Outlook Handbook:



	United States	Texas
2022 Median Pay	\$96,350 per year \$46.32 per hour	\$103,860 per year \$49.93 per hour
Typical Entry-Level Education	Bachelor's degree	
Work Experience in Related Occupation	None	
On-the-job Training	None	
Number of Jobs, 2022	327,300	
Job Outlook, 2022-32	12 % (much faster than average)	
Employment Change, 2022-32	38,400	

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

Cybersecurity

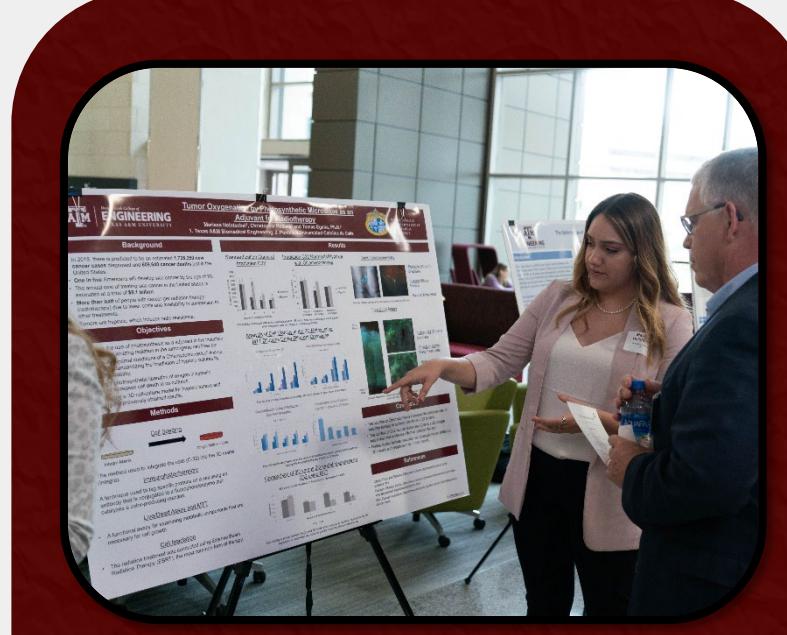


Accelerated Programs

3+2 MSF

3+2 MPH

ISEN Fast Track



Research

Advanced Manufacturing

Operations

Data Science

Health & Human Systems

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



Professional Societies



Student Resources



ISEN Writing Center ETB 3030

Services Offered

- Paper review
- Public Speaking
- Resume Critique
- Networking
- Interview prep



Jose Vazquez



Jon (JP) Elizondo

Study Tips and 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

1 GET ENOUGH SLEEP



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

2 BREAK STUDY TIME INTO SMALL CHUNKS



Space your learning over multiple days.

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



Study when you are at your **MOST ALERT.**

4 TURN HEADINGS INTO QUESTIONS



and read paragraph by paragraph for comprehension.

5 TEST YOURSELF FREQUENTLY



when you study, so you can practice retrieving information.



Career Center ISEN Support: ZACH Suite 283



James Dwyer '12 (MBA)

Career Coordinator

james_dwyer@tamu.edu

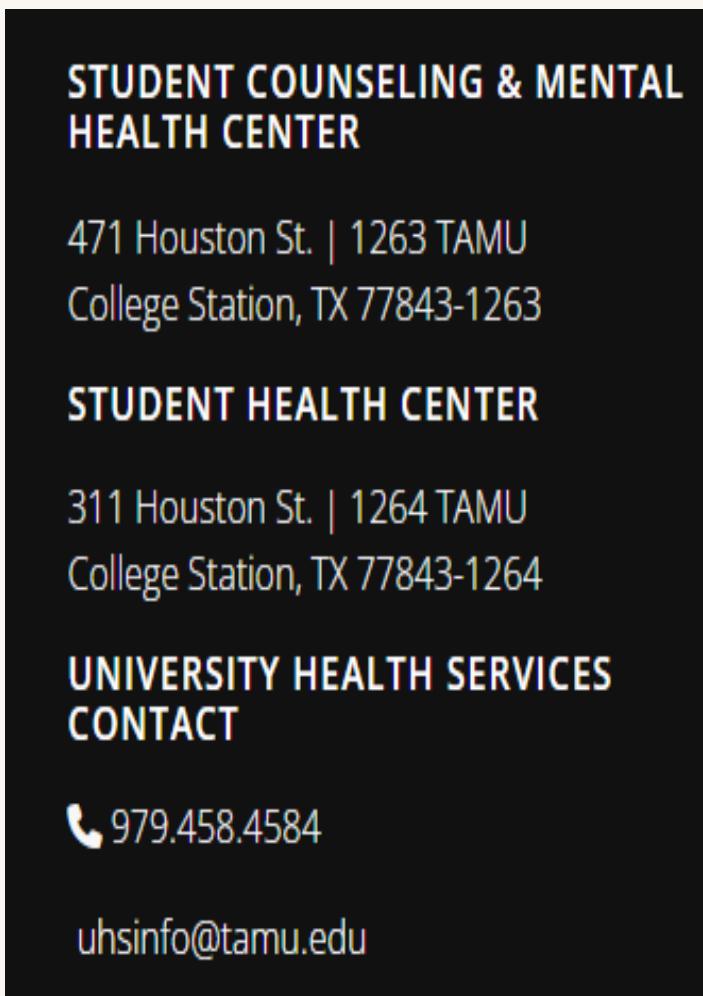
Call for appointments or office hours:

979.845.5139

ZACH 283 – ENGR

Counseling & Mental Health Center

Resources are available for you. Let us know how we can help or reach out to:



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

ZACH 382E
M-F 9:00 am- 6:00 pm—by appointment
Friday 10:00 am- noon—drop-ins

Departmental Policies



Scholarship Information

- The ISEN department has **45** different scholarships available for undergraduate students!

How to Apply:

- Fill out the University Scholarship Application: **uwide.tamu.edu**

When to Apply:

- October 15 through February 1st

Who Should Apply:

- YOU. Every year!



2-Peat Policy

All engineering required courses (including ISEN/DAEN major courses) must be completed with a **C or better** within **2 attempts**.

- Q-drops, withdrawals (W), and transfer coursework are all considered attempts.
- No exceptions will be made for course prerequisites.
- Failure to complete a course within 2 attempts may result in your dismissal from ISEN/DAEN.



Academic Probation



- **You will be placed on academic probation if:**
 - <2.0 GPA in the semester GPA*
 - <2.0 in-major GPA*
 - <2.0 cumulative TAMU GPA
- *Incompletes (I) or missing grades (X) are calculated as equivalent to an F for this calculation.
- **How do I get off probation?**
 - Complete 12 hrs of coursework
 - Obtain a 2.0 semester GPA
 - Complete all degree-required coursework with a C or better
 - Repeat any major or prereq coursework you didn't pass (don't forget the 2-peat policy!)]

Academic Dishonesty

“An aggie does not lie, cheat, or steal or tolerate those who do.”

Examples of Academic Dishonesty:

- **Multiple Submissions:** Submitting the same assignment for credit in more than one course.
 - Also includes revising a paper, report, or presentation to resubmit in another course.
- **Unauthorized Collaboration:** Assume that all assignments should be completed individually unless the instructor explicitly says otherwise.
- **Fabrication:** Includes altering official documents or providing false information to a faculty member (such as a doctor's note)
- **Complicity:** Knowingly helping or attempting to help another commit academic dishonesty
 - Includes signing in for another student on attendance sheets or completing other's attendance activities
 - Allowing another student to copy from your test, paper, or assignment
 - May include even passive participation in unauthorized groups (e.g. GroupMe, text chains, etc.)

Academic Dishonesty

“An aggie does not lie, cheat, or steal or tolerate those who do.”

Suggestions to avoid honor code accusations and violations:

- **Read the syllabus!** It will lay out the rules for the course and what types of collaboration are/are not allowed.
- **Ignorance is not an excuse.** This is especially true if you don't read the syllabus....
- **Assume nothing.** If something is not explicitly allowed in the syllabus, ask before acting. Don't take your fellow students' word for it.
- **Don't trust AI. Don't use AI.** Just don't do it.



TEXAS A&M UNIVERSITY

Wm Michael Barnes '64 Department of
Industrial & Systems Engineering

Contact us

 Emerging Technologies Building

 979.845.5531

 ieundergradadvising@tamu.edu

Follow us

 @ISEN.TAMU