J. MIKE WALKER '66 DEPARTMENT OF
MECHANICAL ENGINEERING
TEXAS A&M UNIVERSITY

Transfer Conference

Summer 2025

NSC NEW STUDENT CONFERENCE

Day 2 Logistics and Details

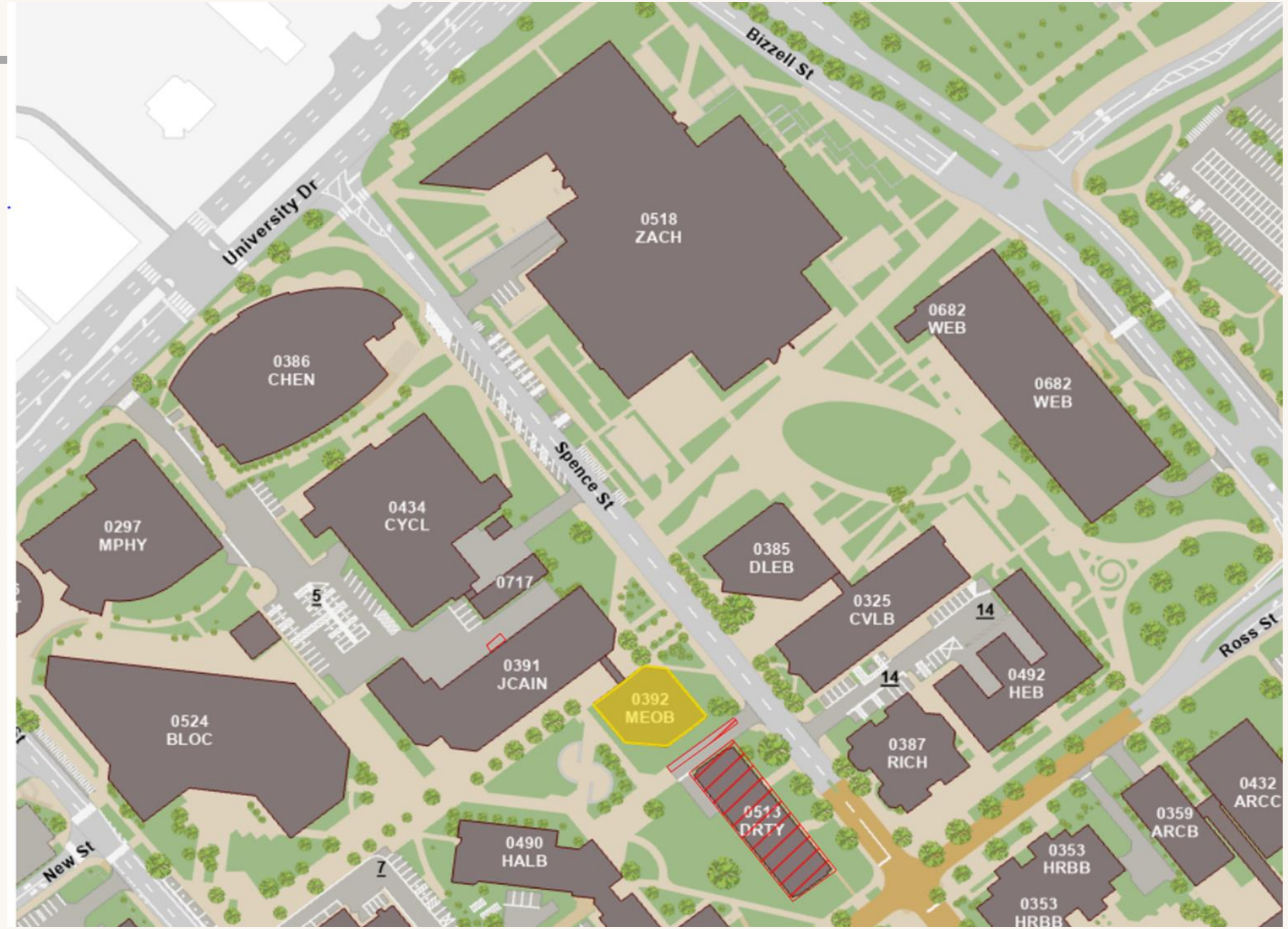
Transfer Student Schedule

8:00am-8:30am Day 2 Check-in (Virginia Brown Atrium)
8:30am-9:00am Dean's Presentation (Students only)
9:30am-11:30am Advising with Department (MEOB 206)
11:30am-1:00pm Lunch
1:00pm-5:00pm Course Registration (MEOB 206)

Undergraduate Advising Office

- Mechanical Engineering Office Building
  - Suite 200
  - 979.845.1252
  - mechanical-undergradprogram@tamu.edu

- MEEN Student Ambassadors
  - meen-ambassador@tamu.edu


Bizzell St
University Dr
Spence St
Ross St
New St
0518
ZACH
0386
CHEN
0682
WEB
0682
WEB
0297
MPHY
0434
CYCL
0717
0385
DLEB
0325
CVLB
0391
JCAIN
0392
MEOB
0492
HEB
0524
BLOC
0387
RICH
0513
DRTY
0490
HALB
0359
ARCB
0432
ARCC
0353
HRBB
0353
HRBB
5
14
14
7

Staff Introductions

Staff Introductions

Blaine Balliett
Academic Advisor III
blaine1029@tamu.edu

Madison Bryant
Academic Advisor II
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Kelsey Winn
Advisor Coordinator
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Boyd Conerway
Academic Advisor II
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Sammie Yarnell-Wagner
Academic Advisor II
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Undergraduate Program Leadership

Dr. Lesley Wright
Undergraduate Program Director
lesley_wright@tamu.edu

Jennifer Kirksey
Assistant Undergraduate Program Director
jkirksey@tamu.edu

Who to Contact When

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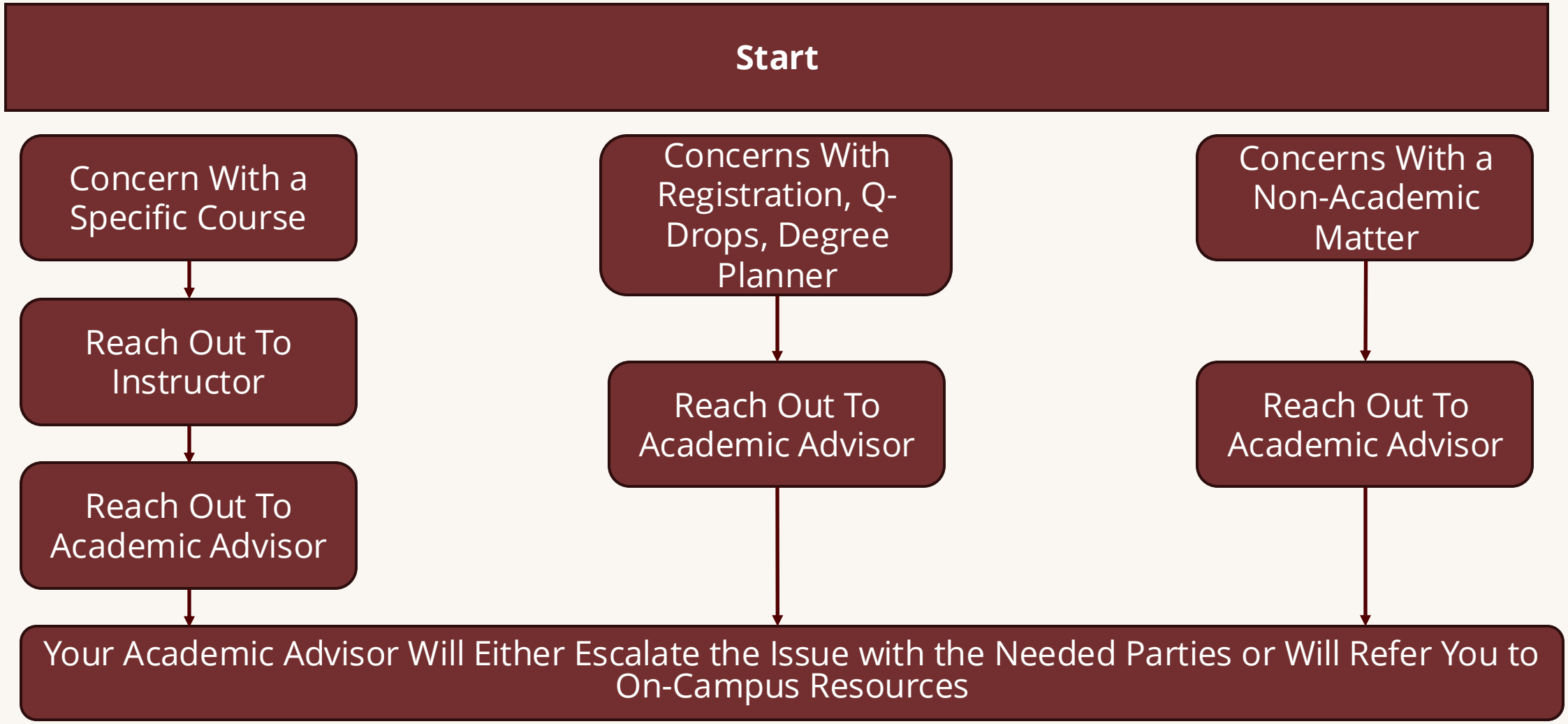


Advising Expectations

How can your Advisor Help you?

- Discuss your degree and graduation plan
- Help support you academically
- Refer you to academic resources
- Help you understand how to take advantage of the Aggie opportunities available to you.

Advising Expectations

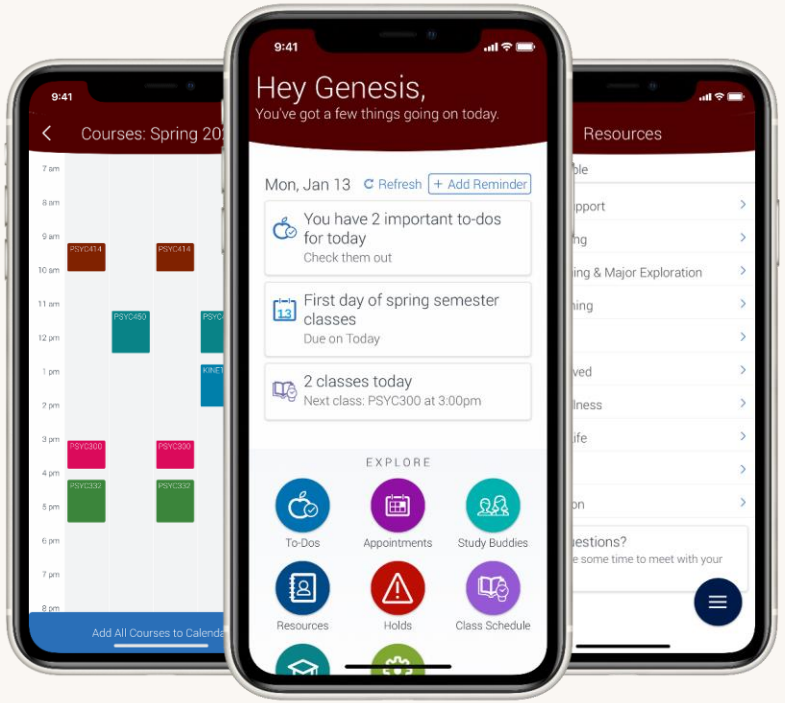
- You will have an assigned advisor
- Consult with your assigned advisor on a regular basis
  - Scheduled Appointment
  - Attend Walk-In Hours
  - Via Email
- In-person or Zoom Appointments
  - Schedule appointments online via Navigate - My Record tab in Howdy
- Appointment availability and walk in hours will be posted in Navigate prior to each semester

TAMU Navigate Student

Get to graduation using the ogo **Navigate Student** App!

1. Search **Navigate Student** in the app stores to download
2. Select Texas A&M University – College Station
3. Log in using your NetID and password

Schedule advising appointments in the Navigate Student App



Download on the App Store

ANDROID APP ON Google Play

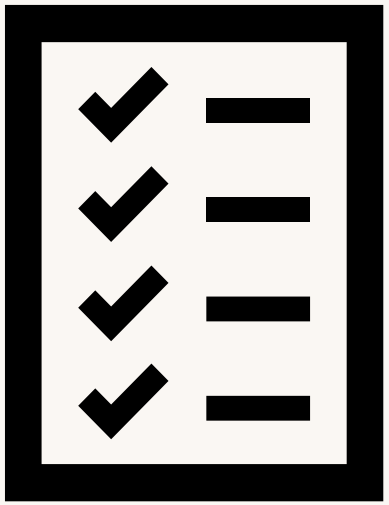
TEXAS A&M UNIVERSITY
Office for Student Success

Email and Announcement Expectations

- Check email regularly
  - at least twice a day READ OUR EMAILS
  - It is your responsibility as a student to read your emails
- Communicate with your Academic Advisor
  - Use TAMU e-mail and include UIN for school related business
  - Expect to hear back from your advisor within a few business day (excluding weekends) with a response, not necessarily a resolution.
  - Advisors work hours are M-F, 8:00am-12:00pm and 1:00pm-5:00pm
- Be sure to check Canvas for announcements like office hour changes or scholarship opportunities.
- Form study groups – GroupMe is great for this.
  - Just be careful what you share.

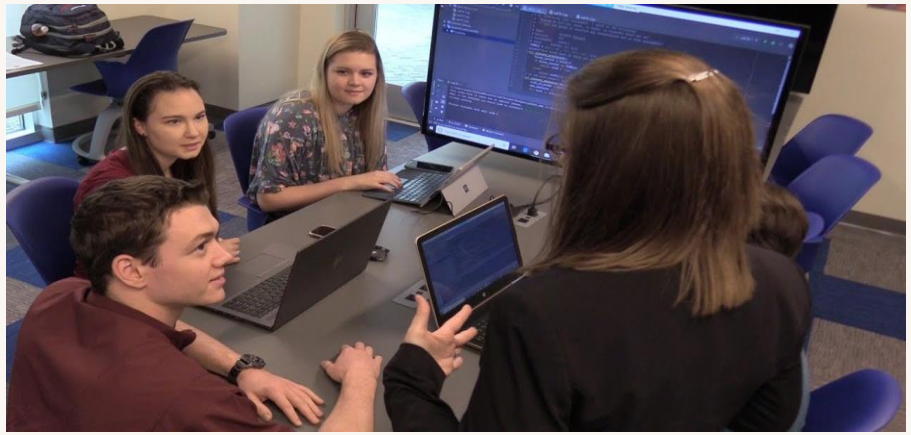
Undergraduate Degree Planner

- Is found and completed in Howdy
- Required for all students
- Check to see if you have a hold now
- September 1: Department Deadline
- October 1: Registrar Deadline
- Degree Planner and resources in Howdy
- Degree Planner Workshop in September



Probation Policies

- Academic Probation:
  - Semester or overall GPA less than 2.0
  - Repeating a course for a third time
- Academic Warning:
  - Will receive an academic warning email if you are repeating a course for a second time



FERPA

Family Educational Rights and Privacy Act (FERPA)

- FERPA rights reside with the student. Detailed information is provided in an annual notice (sent via email), the University Catalog, and on the Aggie One Stop website.
- Student rights include:
  - The right to inspect and review, with certain limited exceptions, your education record
  - The right to seek amendment of your education record when the records are inaccurate, misleading, or otherwise in violation of FERPA
  - The right to consent to disclosures of personally identifiable information
  - The right to file a complaint with the Department of Education concerning alleged failure by the university to comply with FERPA requirements.

Family Educational Rights and Privacy Act (FERPA)

- Outside of information designated by Texas A&M as directory information, school officials can disclose your student education information only with your prior, written consent or utilizing an appropriate FERPA exception to written consent.
- Family Members: The best practice is for your student and you to have an ongoing conversation about their progress in their courses, including any grades. However, your student is able to grant you access to their grades through Howdy.

Student Rules

- Each student has the responsibility to be fully acquainted with and to comply with the Texas A&M University Student Rules
  - tx.ag/StudentRules
- Colleges can choose what specific Student Rules to cover (ex. Student attendance, Q-Drop, Progress to Degree, Scholastic Grade Warning, etc.) with examples.

Course Registration

University Core Curriculum Catalog #148: 2025-2026 core.tamu.edu or catalog.tamu.edu

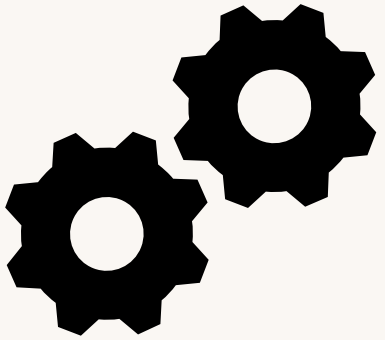
- Communications ~ 6hrs
    - ENGL 103 or 104 and either ENGL 210, COMM 205, or ENGL 203, or COMM 203
- Creative Arts ~ 3hrs
- Social & Behavioral Science (SBS) ~ 3hrs
- Government & Political Science ~ 6hrs
    - POLS 206 & POLS 207
- American History ~ 6hrs
    - HIST 105, 106, 226 or other approved course in American or Texas History
- Language, Philosophy and Culture ~ 3hrs
- International & Cultural Diversity or ICD ~ 3hrs
    - Can be fulfilled by another UCC elective
- Cultural Discourse ~ 3hrs
    - Can be fulfilled by another UCC elective
- Foreign Language: 2 semesters college OR 2 years high school, *same language*

University Graduation Requirements

- Residency
  - 36 hours of upper-level courses at TAMU
- Writing Requirement, “W” courses
  - Major-specific courses
  - Met by MEEN 260 and MEEN 401
- ENGRx – High Impact Experience
  - Various
  - MEEN 399

Technical Electives

- **Technical Electives ~ 15 hrs**
  - MEEN Thermo-fluids System
    - 3 credit hours
  - MEEN Mechanical and Manufacturing System
    - 3 credit hours
  - MEEN Data Science and Experimentation
    - 3 credit hours
  - MEEN/Non-MEEN Elective
    - Up to 3 credit hours
  - General Elective
    - Any 300 – 499 level course
    - 3 credit hours



Mechanical Engineering Technical Electives

Dynamic Systems and Controls
- MEEN 225 – Engineering Mechanics
- MEEN 363 – Dynamics and Vibrations
- MEEN 364 – Dynamic Systems and Controls

Materials and Manufacturing
- MEEN 360/361 – Materials and Manufacturing Selection in Design and Lab

Thermo-Fluids
- MEEN 315 – Principles of Thermodynamics
- MEEN 344/345 – Fluid Mechanics and Lab
- MEEN 461/464 – Heat Transfer and Lab

Design
- MEEN 368 – Solid Mechanics in Mechanical Design

Mechanical and Manufacturing Systems Electives

Course	Name	Prerequisites
MEEN 408*	Introduction to Robotics	MEEN 364 or equivalent; junior or senior classification
MEEN 411	Mechanical Controls	MEEN 364
MEEN 430	Nanomaterials	Junior or senior classification or approval of instructor
MEEN 431	Advanced System Dynamics and Controls	MEEN 364; junior or senior classification
MEEN 432	Automotive Engineering	MEEN 363
MEEN 434*	Dynamics and Modeling of Mechatronics Systems	MEEN 364
MEEN 440*	Bio-Inspired Design	MEEN 368 or BMEN 361 or BAEN 375
MEEN 442*	Computer Aided Engineering	MEEN 363 and MEEN 368
MEEN 444*	Finite Element Analysis in Mechanical Engineering	MEEN 357 and MEEN 368 or equivalents
MEEN 445*	Mechanics of Compliant Materials	Grade of C or better in MEEN 344
MEEN 451*	Viscoelastic Materials	Grade of C or better in MEEN 368
MEEN 453	Additive & Subtractive Processes in Custom Man.	Grade of C or better in MEEN 360 or MEEN 361, or equivalent
MEEN 455	Engineering with Plastics	MEEN 222/MSEN 222; junior or senior classification
MEEN 458	Processing and Characterization of Polymers	MEEN 222/MSEN 222
MEEN 459*	Sound and Vibration Measurements	MEEN 363; MATH 308
MEEN 460*	Corrosion Engineering	MEEN 360 and MEEN 361, or equivalent
MEEN 467*	Mechanical Behavior of Materials	MEEN 360 and MEEN 361
MEEN 471*	Elements of Composite Materials	MEEN 360, MEEN 361, and MEEN 368
MEEN 475	Materials in Design	Grade of C or better in MEEN 360 and MEEN 361
MEEN 476	Nanoscale Issues in Manufacturing	MEEN 222 / MSEN 222; junior or senior classification
MEEN 477	Air Pollution Engineering	Grade of C or better in BAEN 340, CVEN311/EVEN311, or MEEN 344

Thermo-fluid and Energy Systems Elective

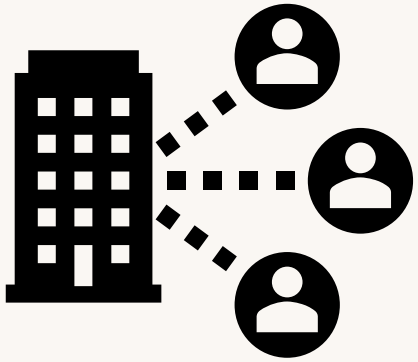
Course	Name	Prerequisites
MEEN 406*	Energy Management in Industry	Grade of C or better in MEEN 260 and MEEN 315
MEEN 410*	Internal Combustion Engines	MEEN 344 or equivalent
MEEN 417	Basics of Plasma Engineering and Applications	Grade of C or better in PHYS 208 or equivalent; senior classification in NUEN, MEEN, AERO, or PHYS
MEEN 421	Thermal-Fluids Analysis and Design	Grade of C or better in MEEN 461
MEEN 436	Principles of Heating, Ventilation and Air Conditioning	Grade of C or better in MEEN 344 or equivalent
MEEN 437	Principles of Building Energy Analysis	MEEN 315 or equivalent; junior or senior classification
MEEN 439*	Solar Energy Engineering	MEEN 315
MEEN 454*	Tribology - Mechanical Interface Design	Grade of C or better in MEEN 344 and MEEN 368
MEEN 463*	Cogeneration Systems	MEEN 421 or equivalent
MEEN 469*	Alternative Energy Conservation	MEEN 315
MEEN 472*	Gas Dynamics	MEEN 344
MEEN 490*	Entrepreneurship in Nano and Energy	MEEN 344

Data Science and Experimentation Electives

Course	Name	Prerequisites
MEEN 404	Engineering Laboratory	MEEN 461, 364, 360/361; Concurrent enrollment in MEEN 401
MEEN 423	Machine Learning for Mechanical Engineers	MEEN 357
MEEN 433*	Mechatronics	MEEN 364

ENGRx - High Impact Experience

- **ENGR[x] approved activities for Department of Mechanical Engineering**
- **Goal is for our MEEN students to have experiences beyond our engineering degree requirements that make them more attractive to employers and graduate schools.**
- **MEEN 399 (Zero credit course)**
  - 3/501 Summer internship*
  - 3/502 Aggie's Invent (https://engineering.tamu.edu/aggiesinvent)
  - 3/503 Startup Aggieland (http://startupaggieland.com/)
  - 3/504 Engineers without Borders Project (http://www.ewbtamu.org/projects/)
  - 3/505 Design competitions, as approved by the department
  - 3/506 Leadership in engineering student organizations
  - 3/507 TAMU minor as approved by department
  - 3/508 TAMU certificate as approved by department**
  - 3/509 University Honors Program
  - 3/510 Study Abroad experience
  - 3/511 Other high-impact learning experience as approved by the department
    - Bachelor's + program



- **ENGR 385 Co-op** job experience in engineering.
- **Any 291 or 491 research, 3 hour minimum**
- *Industry practice to familiarize students with mechanical engineering applications and operations.
- **Energy Engineering, International Engineering, Zachry Leadership Program, Engineering Honors and other certificate programs as approved by the department

Minors and Certificates

Minors in Engineering

- Aerospace
- Biomedical*
- Chemical
- Computer Science*
- Cybersecurity
- Electrical
- Embedded Systems Integration
- Engineering Concepts
- Game Design and Development
- Industrial
- Materials Science
- Nuclear
- Petroleum
- Engineering Project Management*
- Radiological Health

Certificates in Engineering

- Engineering Systems Management
- Energy Engineering
- Engineering Honors*
- International Engineering
- Holistic Leadership*
- Safety Engineering
- Data Center Engineering Operations
- Data Engineering
- Engineering Therapeutics Manufacturing
- Polymer Specialty
- Quality Engineering for Regulated Medical Technologies
- Corrosion Science
- Engineering Concept, Creation, and Commercialization*
- Data Analytics for Petroleum Industry
- Petroleum Ventures

For minors available outside of the College of Engineering, please see the complete list at registrar.tamu.edu

Haliburton Global Studies (ZACH) Study Abroad

- Faculty Led Programs
  - TAMU courses with TAMU faculty abroad
  - Summer, May-mester, August-mester, Winter-mester
- Reciprocal Exchange (Australia, Singapore, Hong Kong, France and more)
  - Semester long experience
  - Course work applied to degree
- TAMU-Q
  - MEEN program in Qatar
  - Fall, Spring, Summer terms
- ASME Mexico Leadership Exchange Program
  - During Spring Break (receive credit for MEEN 381)

Research

- 60+ faculty active in research
- Active areas of research include but are not limited to:
  - Polymers
  - Crystalline materials
  - Heat transfer
  - Fluid mechanics
  - Energy systems
  - Combustion
  - Mechanics
  - Turbomachinery
  - Systems and controls
  - Other departments
- Undergraduate Research
  - For credit (count 3 hours as an elective 485/491)
  - Employment

Fast-Track Graduate Program

- Enroll in graduate MEEN courses while an undergrad
- Possibly earning a masters, degree within one year of earning your BS degree
- Apply three semesters before expected graduation term
- Must have a minimum 3.5 GPA
- Work with advisor and faculty mentor in selecting coursework to apply to both degrees

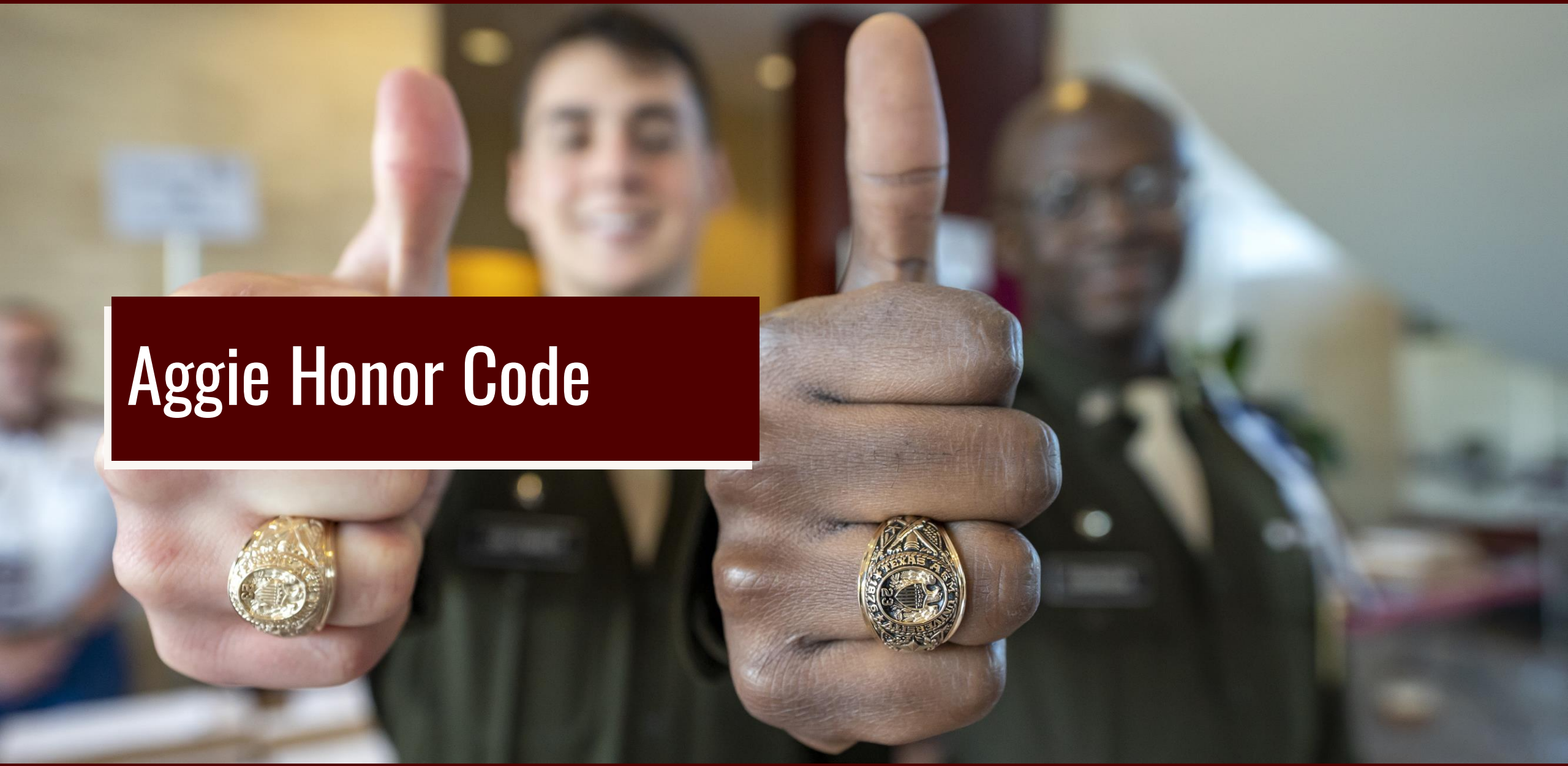
Preparing for Registration

- **Advisor recommended courses for Fall 2025**
  - Based on transfer coursework as listed on admission transcripts we received
  - May change based upon evaluation of syllabi (as required)
- **Howdy.tamu.edu**
  - Make sure you can Log In
  - NetID (aka username) and Password
  - Check for holds
  - ***Complete Lab Safety Acknowledgement (LSA)***
    - ***every semester before registration***
  - ***Term & Conditions; DL location***
- **Undergraduate Catalog and Core Curriculum:**
  - catalog.tamu.edu & core.tamu.edu
  - MEEN Dept. Curriculum: https://engineering.tamu.edu/mechanical/academics/degrees/undergraduate/curriculum

MEEN Involvement

Student Organizations

- American Society of Mechanical Engineers (ASME)
- American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)
- Society of Automotive Engineers (SAE)
  - Design Teams
    - Formula IC
    - Formula Electric
    - Solar
    - Baja
    - Aero
  - Club Programs
    - Apprentices
    - 12th Man Garage
    - Development
- MEEN Girls
- Texas A&M University Robotics Team and Leadership Experience (TURTLE)
- Pi Tau Sigma Honor Society
- Sounding Rocketry Team



Aggie Honor Code

Academic Misconduct

There are 9 different definitions of academic misconduct at Texas A&M University:

- Cheating
- Fabrication
- Falsification
- Multiple Submissions
- Plagiarism
- Complicity
- Violation of College, Program, Departmental or Course Rules
- Abuse and Misuse of Access and Unauthorized Access
- Violation of University Rules on Research

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

Reporting & Adjudication

REPORTING

All suspected incidents of academic misconduct must be reported to the Aggie Honor System Office.

- Students are educated and provided resources regarding their rights and responsibilities through the Aggie Honor System Office.
- This education includes information about their right to file an appeal.

ADJUNCTION METHODS

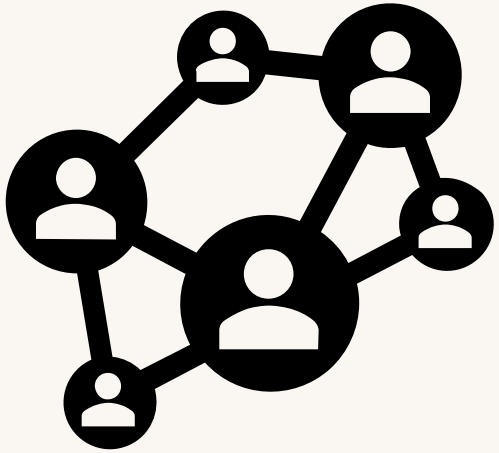
- Instructors may only impose academic and educational sanctions.
- The Honor Council may decide finding of responsibility and sanction through an Honor Council Hearing or Honor Council Conference. The Honor Council may impose academic, educational, and university level sanctions.

Aggie Honor Code – Artificial Intelligence (AI)

- Refer to Course Policies
  - Acceptable use of AI varies by course. Always consult the syllabus and clarify expectations with your instructor.
- Use AI as a Learning Aid, Not a Substitute
  - AI tools can support your learning process but should not replace your original work or critical thinking.
- Maintain Academic Integrity
  - If AI tools are used, be transparent and provide proper attribution when required by the instructor or assignment guidelines.
- Evaluate AI-Generated Content Critically
  - AI output may include inaccuracies or bias. You are responsible for verifying the accuracy and credibility of any information used.

Student Resources

- Academic Success Center – 2nd floor of the Pavilion – Room 207
  - Offer tutoring for MEEN courses (typically in ZACH)
- Counseling and Psychological Services – Student Services Building
  - Satellite office in ZACH
- Disability Resources – Student Services Building
- Veterans Resource & Support Center – MSC Room L110
- Career Center – Satellite office in ZACH
- MEEN Student Ambassadors
  - MEEN Advising Office



Thanks & Gig 'em!

Contact Us

MEOB 200

979.845.1252

mechanical-undergradprogram@tamu.edu

Follow Us

@tamuMEEN

Come Dine with us

AGGIE DINING

NSC

WHERE AM I EATING DURING NSC?

tx.ag/NSCDining

Dining Locations Near Us:

- **Salata Salad Kitchen** (Polo Garage)
- **Panda Express** (Polo Garage)
- **Shake Smart** (Polo Garage)