



Department Presentation

Department of Statistics



Agenda

12:30 PM
Presentation

2:45 PM

3:00 PM

3:15 PM

3:30 PM

5:00 PM

Check In + Welcome + Department

Break & Family Release

Student Q&A and Advising in BLOC 448

Family Q&A in BSBE 115

Registration in BLOC 448

Registration Ends

Please check-in using your TAMU Gmail account.



You are a **STATISTICS** or **BIOINFORMATICS** Major

As you start your Spring 2026 semester, it's important to understand you have entered Texas A&M as a STAT or BIOI Major.

If you plan on changing your major, we cannot advise you at your NSC. You must speak with an advisor from your interested major (Engineering, Mays, etc) after your NSC.

As STAT advisors, we can ONLY advise on a BS STATISTICS or BIOINFORMATICS degree.

Until you change majors, you ARE a STAT or BIOI student and must register accordingly. If you do not register for classes required for your major, a Closet Major hold will be placed on your account.

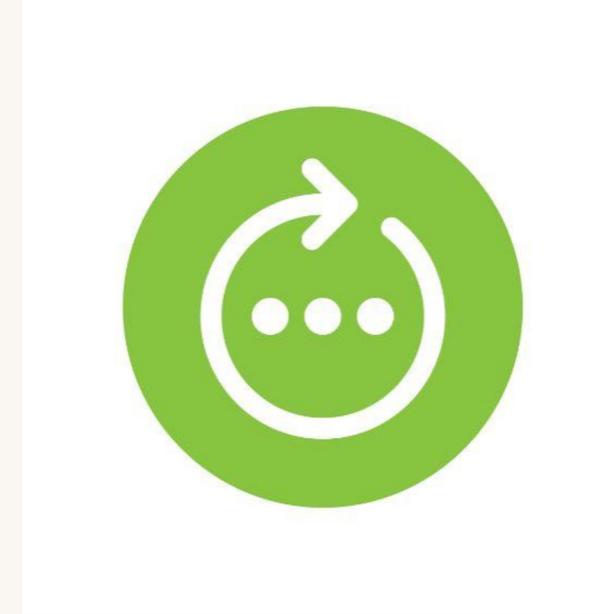
Introductions



Courtney Shuttlesworth

Class of '16 & '23 - WHOOP!

Fun fact: I love to crochet, travel, and foster kittens! I also like to change my hair a lot :)



VACANT

New advisor coming soon!

Welcome to Statistics!

Goals for our BIOI & STAT students include:

- ✓ Complete rigorous quantitative and engaging coursework
- ✓ Be involved within the Statistics and campus community
- ✓ Pursue opportunities – leadership roles, extracurriculars, employment, internships, or research
- ✓ GRADUATE



Program Expectations

Coursework

- At least one math and/or science class most semesters
- Curriculum includes introductory and continuing programming (python, Java, C++) and statistical computing skill development

Resources

Struggle with a topic/concept/subject? You should pursue help:

- All free help sessions & tutoring resources:
studyhub.tamu.edu
 - Math Learning Center
 - CSCE Peer Teachers
 - Supplemental Instruction
- Professor & TA office hours (syllabus)

Accountability

Ask for help

AND

Check email

- Official means of communication at TAMU
- We send monthly event emails, internship/research opportunities, etc.

Student Involvement

Internships

STAT majors have interned at:

- LinkedIn
- Nissan
- Charles Schwab
- IBM
- TAMU Baseball
- TAMU Softball
- Texas Rangers
- USAA
- General Motors
- PepsiCo

Research

STAT majors have conducted research with:

- TAMU School of Public Health
- Univ. of Chicago
- Univ. of Colorado
- Harvard Medical School
- TAMU Veterinary Medicine
- TAMU Dept. of Statistics

Student Organizations

STAT majors have enjoyed participating in:

- Aggie Data Science Club
- Statistics Learning Society
- Statistics Undergraduate Student Assoc. (SUSA)
- Statistics Student Ambassadors
- Aggie Actuaries

Former Students

Careers

Graduates from the BS in Statistics have an **average starting salary of \$71k** and have accepted roles such as:

- Data Analyst/Scientist
- Business Analyst
- Quantitative Analyst
- Software Engineer
- Software Developer
- Risk Engineer
- Risk Analyst

Employers

Graduates from the BS in Statistics have gone to work with many employers, including:

- Goldman Sachs
- Chevron
- Capital One
- Bank of America
- Oracle
- Deloitte
- Amazon
- NASA
- Toyota Financial

Graduate Schools

Graduates from the BS in Statistics have pursued higher education at institutions such as:

- Univ. of California - Berkeley
- Univ. of Michigan
- Duke University
- Cornell University
- Univ. of Boston
- UT Austin
- Texas A&M



BIOI & STAT Degree Plans

BS STATISTICS

2025-2026

Major Courses (25)		Hours
STAT 182	Foundations of Statistics (W)	1
STAT 211	Principles of Statistics I	3
STAT 212	Principles of Statistics II	3
STAT 414	Mathematical Statistics I	3
STAT 415	Mathematical Statistics II	3
STAT 404	Statistical Computing	3
STAT 408	Introduction to Linear Models	3
STAT 406	Design and Analysis of Experiments	3
STAT 482	Statistics Capstone (W)	3

MATH Courses (15)		Hours
MATH 171	Analytic Geometry and Calculus	4
MATH 172	Calculus	4
MATH 221	Several Variable Calculus	4
MATH 304 or MATH 323	Linear Algebra	3

STAT and MATH Electives (11)		Hours
Choose two-three from the following:		
STAT 315, STAT 335, STAT 407, STAT 421, STAT 424, STAT 426, STAT 436, STAT 438, STAT 445, STAT 446, STAT 459, STAT 485, STAT 489, STAT 491, ISEN 350		5/8
Choose one-two from the following:		
MATH 300, MATH 302, MATH 308, MATH 409, MATH 410, MATH 417 or MATH 437, MATH 442, MATH 446, MATH 447, MATH 469, MATH 470, ISEN 320, ISEN 340, ISEN 355		3/6

Outside Specialization (12)		Hours
Must take 12 hours in an outside specialization area upon approval by a departmental advisor. At least 6 hours must be upper level hours.		12

General Electives (12)		Hours

This is NOT an official degree plan. Please use your degree evaluation in HOWDY under *My Dashboard*.

CSCE Electives (7)		Hours
Choose two from the following*:		
CSCE 110, CSCE 111, CSCE 206, or CSCE 120		7

Core Curriculum (38)		Hours
Communication	ENGL 104 Composition and Rhetoric	3
Choose one from the following:	COMM 203, COMM 205, or COMM 243	3

Science Electives		Hours
Choose two from the following:		
ASTR 111; BIOL 111; BIOL 112; CHEM 119; CHEM 120; PHYS 206/PHYS 226; PHYS 207/PHYS 227		8

Choose one more class from the Life and Physical Science list of the University Core Curriculum.		3

Language, Philosophy, and Culture		Hours
		3

Creative Arts		Hours
		3

Social and Behavioral Sciences		Hours
		3

Government/Political Science		Hours
POLS 206	American National Government	3
POLS 207	State and Local Government	3

American History		Hours
		3
		3

ICD/CD Requirement		Hours
Students are required to take 3 hours in the area of cultural discourse (CD), and 3 hours in the area of international and cultural diversity (ICD). These may be in addition to Core courses, or a Core course can be used to meet ICD or CD and the Core requirements.		6

ICD		3
CD		3

Foreign Language Requirement		Hours

*CSCE 110 is python, CSCE 111 is Java, CSCE 206 is C++

BS BIOINFORMATICS

2025-2026

Major Courses (39)		Hours
STAT 211	Principles of Statistics I	3
STAT 212	Principles of Statistics II	3
CSCE 110*	Introductory Programming Requirement	4
CSCE 120	Program Design and Concepts	3
GENE 301 or GENE 320	Genetics Requirement	3
MATH 304	Linear Algebra	3
STAT 205	Bioinformatics Cornerstone (W)	1
STAT 315	Computational Data Science	3
STAT 404	Statistical Computing	3
STAT 446	Statistical Bioinformatics	3
STAT 447	ML for Computational Biology	3
BIOL 450	Genomics	3
STAT 486	Bioinformatics Capstone (W)	3

MATH Courses (8)		Hours
MATH 147 or MATH 151	Calculus I Requirement	4
MATH 148 or MATH 152	Calculus II Requirement	4

Prescribed Electives (18)		Hours
Choose three-four from the following:		
BIOL 349, 350, 351, 406, 430; ECEN 419; GENE 405, 419, 464; STAT 335, 406, 408, 445.		11/18

Choose two-three from the following:		
BIOL 213, 214, 349, 350, 351, 406, 430; BMEN 250; CSCE 206, 221, 222; ECEN 419; GENE 405, 419, 464; STAT 335, 406, 408, 445.		7/18

General Electives (12)		Hours

This is NOT an official degree plan. Please use your degree evaluation in HOWDY under *My Dashboard*.

*CSCE 110 is python and CSCE 111 is Java

Core Curriculum (43)		Hours
Communication	ENGL 104 Composition and Rhetoric	3
Choose one from the following:	COMM 203, COMM 205, or COMM 243	3

Science Electives		Hours
BIOLOGY 111	Introductory Biology I	4
BIOLOGY 112	Introductory Biology II	4
PHYS 201	College Physics	4
Choose one from the following:	CHEM 119 or CHEM 107/117	4

Language, Philosophy, and Culture		Hours
		3

Government/Political Science		Hours
POLS 206	American National Government	3
POLS 207	State and Local Government	3

American History		Hours
		3
		3

ICD/CD Requirement		Hours
Students are required to take 3 hours in the area of cultural discourse (CD), and 3 hours in the area of international and cultural diversity (ICD). These may be in addition to Core courses, or a Core course can be used to meet ICD or CD and the Core requirements.		6

CD		Hours
		3

Foreign Language Requirement		Hours

Note: If a grade of D or F is earned in any of the following courses, MATH 147/MATH 151/MATH 171, MATH 148/MATH 152/MATH 172, or CSCE 110/CSCE11, this course must be immediately retaken and a grade of C or better earned. The department will allow at most two Ds in upper-level (300-499) courses. If a third D is earned, one of the three courses in which a D was earned must be retaken and a grade of C or better earned.

Major Courses (25)		Hours
STAT 182	Foundations of Statistics (W)	1
STAT 211	Principles of Statistics I	3
STAT 212	Principles of Statistics II	3
STAT 414	Mathematical Statistics I	3
STAT 415	Mathematical Statistics II	3
STAT 404	Statistical Computing	3
STAT 408	Introduction to Linear Models	3
STAT 406	Design and Analysis of Experiments	3
STAT 482	Statistics Capstone (W)	3

Major Coursework

All BS-STAT and BS-BIOI majors take these courses

Major Courses (39)		Hours
STAT 211	Principles of Statistics I	3
STAT 212	Principles of Statistics II	3
CSCE 110*	Introductory Programming	
or CSCE 111*	Requirement	4
CSCE 120	Program Design and Concepts	3
GENE 301		
or GENE 320	Genetics Requirement	3
MATH 304	Linear Algebra	3
STAT 205	Bioinformatics Cornerstone (W)	1
STAT 315	Computational Data Science	3
STAT 404	Statistical Computing	3
STAT 446	Statistical Bioinformatics	3
STAT 447	ML for Computational Biology	3
BIOL 450	Genomics	3
STAT 486	Bioinformatics Capstone (W)	3

Courses will be taken throughout all years

BS-STAT MAJORS:
STAT 182 is ONLY offered in Fall and should be taken in the student's first Fall semester as a STAT major.

MATH CORE

MATH Courses (15)		Hours
MATH 171	Analytic Geometry and Calculus	4
MATH 172	Calculus	4
MATH 221	Several Variable Calculus	4
MATH 304 or MATH 323	Linear Algebra	3

All BS-STAT majors are required to complete more math throughout their degree plan

MATH Courses (8)		Hours
MATH 147 or MATH 151 or MATH 171	Calculus I Requirement	4
MATH 148 or MATH 152 or MATH 172	Calculus II Requirement	4

Many of these courses are included in the math minor (optional)

Both BS-STAT and BS-BIOI majors must complete Calculus I&II to progress in their degree plan

STAT and MATH Electives (11)	Hours
<i>Choose two-three from the following:</i> STAT 315, STAT 335, STAT 407, STAT 421, STAT 424, STAT 426, STAT 436, STAT 438, STAT 445, STAT 446, STAT 459, STAT 485, STAT 489, STAT 491, ISEN 350	5/8
<i>Choose one-two from the following:</i> MATH 300, MATH 302, MATH 308, MATH 409, MATH 410, MATH 417 or MATH 437, MATH 442, MATH 446, MATH 447, MATH 469, MATH 470, ISEN 320, ISEN 340, ISEN 355	3/6
Prescribed Electives (18)	Hours
<i>Choose three-four from the following:</i> BIOL 349, 350, 351, 406, 430; ECEN 419; GENE 405, 419, 464; STAT 335, 406, 408, 445.	11
<i>Choose two-three from the following:</i> BIOL 213, 214, 349, 350, 351, 406, 430; BMEN 250; CSCE 206, 221, 222; ECEN 419; GENE 405, 419, 464; STAT 335, 406, 408, 445.	7

UPPER-LEVEL ELECTIVES

Choices based on interests and goals of student

Students typically begin taking these courses during sophomore/junior year

These courses are flexible within degree plan – students vary on when they take them

STAT MAJORS: If you'd like to pursue the math minor (optional), you'll need to choose 2 MATH electives, with at least 1 being 400-level

OUTSIDE SPECIALIZATION BS-STAT ONLY

Outside Specialization (12)	Hours
<i>Must take 12 hours in an outside specialization area upon approval by a departmental advisor. At least 6 hours must be upper level hours.</i>	12

General Electives (12)	Hours

Choices based on interests and goals of student

Common choices include:

Business

Computer Science

Public Health

Economics

Sports Management

Mathematics (*preparing for graduate school)

Students typically begin taking these courses during sophomore/junior year

Many minors (optional) are 15 hours.

Between your Outside Specialization courses and additional free electives, you may choose to pursue a minor

GENERAL ELECTIVES

Don't fill these up right away!!

Might be needed in the future to complete prerequisite courses for upper-level electives

General Electives (12)	Hours

Common general electives:

KINE 199

MATH courses (prep for grad school)

AP/IB/Transfer course credits (not used for another degree requirement)

“Fun” classes

Possible outside specialization courses for BS-STAT

Possible prerequisite courses for BS-BIOI electives

CSCE COURSES

CSCE Electives (7)	Hours
<i>Choose two from the following*:</i>	
CSCE 110, CSCE 111, CSCE 206, or CSCE 120	7

Should be completed during or by end of sophomore year

These courses are flexible within degree plan – students vary on when they take them

Major Courses (39)	Hours
STAT 211 Principles of Statistics I	3
STAT 212 Principles of Statistics II	3
CSCE 110* or CSCE 111* Introductory Programming Requirement	4
CSCE 120 Program Design and Concepts	3
CSCE 206	

CSCE 110: introduction to python

CSCE 111: introduction to Java

CSCE 206: introduction to C++

CSCE 120 requires CSCE 110, CSCE 111, or CSCE 206 as a prerequisite course

CORE CURRICULUM

Core Curriculum (38)	
Communication	Hours
ENGL 104 Composition and Rhetoric	3
Choose one from the following: COMM 203, COMM 205, or COMM 243	3
Science Electives	Hours
Choose two from the following: ASTR 111; BIOL 111; BIOL 112; CHEM 119; CHEM 120; PHYS 206/PHYS 226; PHYS 207/PHYS 227	8
Choose one more class from the Life and Physical Science list of the University Core Curriculum.	3
Language, Philosophy, and Culture	Hours
	3
Creative Arts	Hours
	3
Social and Behavioral Sciences	Hours
	3
Government/Political Science	Hours
POLS 206 American National Government	3
POLS 207 State and Local Government	3
American History	Hours
	3
	3

Core Curriculum (43)	
Communication	Hours
ENGL 104 Composition and Rhetoric	3
Choose one from the following: COMM 203, COMM 205, or COMM 243	3
Science Electives	Hours
BIOL 111 Introductory Biology I	4
BIOL 112 Introductory Biology II	4
PHYS 201 College Physics	4
Choose one from the following: CHEM 119 or CHEM 107/117	4
Language, Philosophy, and Culture	Hours
	3
Creative Arts	Hours
	3
Social and Behavioral Sciences	Hours
	3
Government/Political Science	Hours
POLS 206 American National Government	3
POLS 207 State and Local Government	3
American History	Hours
	3
	3

These courses are flexible within degree plan – students vary on when they take them

Various AP/IB/Transfer Credit may fulfill

ENGL 104 must be taken before student reaches 60 hours at TAMU

Some courses are required, such as POLS 206 & 207. Some categories you can choose which class you take.

- You must choose from our degree plan list for Life & Physical Science and Communication

ADDT'L REQUIREMENTS

ICD/CD Requirement	Hours
<i>Students are required to take 3 hours in the area of cultural discourse (CD), and 3 hours in the area of international and cultural diversity (ICD). These may be in addition to Core courses, or a Core course can be used to meet ICD or CD and the Core requirements.</i>	6
ICD	3
CD	3
Foreign Language Requirement	

ICD/CD Requirement

Students must take 3 hours of International & Cultural Diversity (ICD)

&

3 hours of Cultural Discourse (CD) courses

You may choose to take these required courses within the core curriculum, meaning, they would double count (e.g. ICD & Creative Arts; or CD & Language, Philosophy, and Culture)

See core courses that are *also* ICD/CD at core.tamu.edu

Foreign Language Requirement

Usually fulfilled in high school (2 years of same language in high school)

If not, can be completed with a two semester sequence of the same language

LEARN



Double your career potential by obtaining a Texas middle and high school teaching certificate as you earn your degree.

TEACH

100%

of our students who want to teach find jobs upon graduation!



IMPACT



Next Step

Visit the website or email
aggieteach-artsci@tamu.edu





AP / IB / DUAL / TRANSFER CREDIT

HOW DO I FIND MY OUTSIDE CREDIT?

AP & IB CREDIT

- Must *choose* to accept AP or IB credit for the courses to count on your transcript
- Found under My Record > Grades and Transcripts > Credit By Examination
- **Note:** only once *credit is accepted*, it will also show on a student's unofficial transcript

TRANSFER & DUAL CREDIT

- Once transcript is sent to TAMU, it will be on transcript
- Found under My Record > Grades and Transcripts > Unofficial Transcript
- **Note:** Grades from transfer coursework will not be factored into your GPA, but the grade will show in the form of TA, TB, TC, TD, or TF



AP & IB CREDIT

Please discuss accepting credit with an advisor

Once credit is accepted, you **cannot** remove from transcript

Senior year scores typically reported to TAMU in July

If waiting for senior year **Calculus AB or BC scores**, you will register in the math course that your MPE score qualified you for during registration on NSC Day 2. After scores release, we can discuss schedule changes.

If waiting for senior year **scores of other tests**, we will *assume* that you will pass them and avoid registering for them in your Fall schedule.

Break: Statistics Major Interest Survey

Please take a few minutes to fill out this anonymous survey to let us know how you learned about our department and why you chose Statistics





Academic Advising

Advising Expectations

Academic Advisors are here to help you find resources and understand the requirements for your degree program.

You can email advisors questions or schedule an advising appointment.

If sending an email, please give advisors 3-4 business days to respond (not including holidays or weekends)

There are a lot of reasons you might make an appointment but here's a few:

- Change of Major / Adding Minor
- Help with your Degree Planner
- Deciding on outside specialization electives
- Preparing for pre-registration
- Q drops (or considering one)
- Preparing for graduate school
- Accepting AP/IB credit
- Planning to take courses elsewhere (e.g. community college)
- Study Abroad
- Graduation audit

Mandatory Advising For STAT Majors

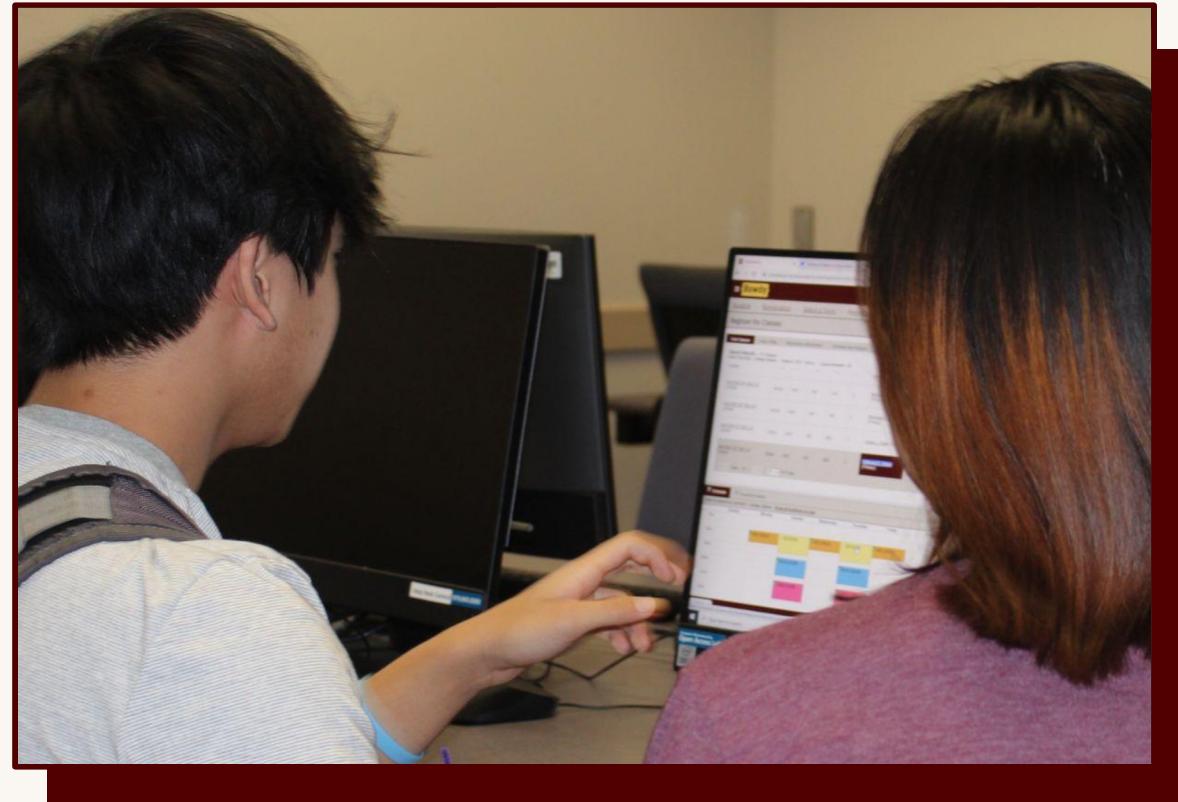
BIOI and STAT majors must meet with an academic advisor once a semester (fall & spring) as a freshman, sophomore, or junior; and to Q-drop a math/stat/major course.

Students are expected to be on-time to advising appointments with questions prepared or ready to take notes.

Extreme tardiness is considered “no-showing”.

Missing or “No Showing” for 3 appointments will block you from scheduling in the future.

Reminder: Students are expected to check and read emails regularly. Advisors will send important information via email.





Q DROPS

Undergraduate students will normally be permitted four Q-drops during their undergraduate studies

Q-drops are notated on transcript as a final grade of a "Q" and is **not** factored into GPA

Q-drop deadline is 60th class day of semester (fall or spring) by 5:00 PM

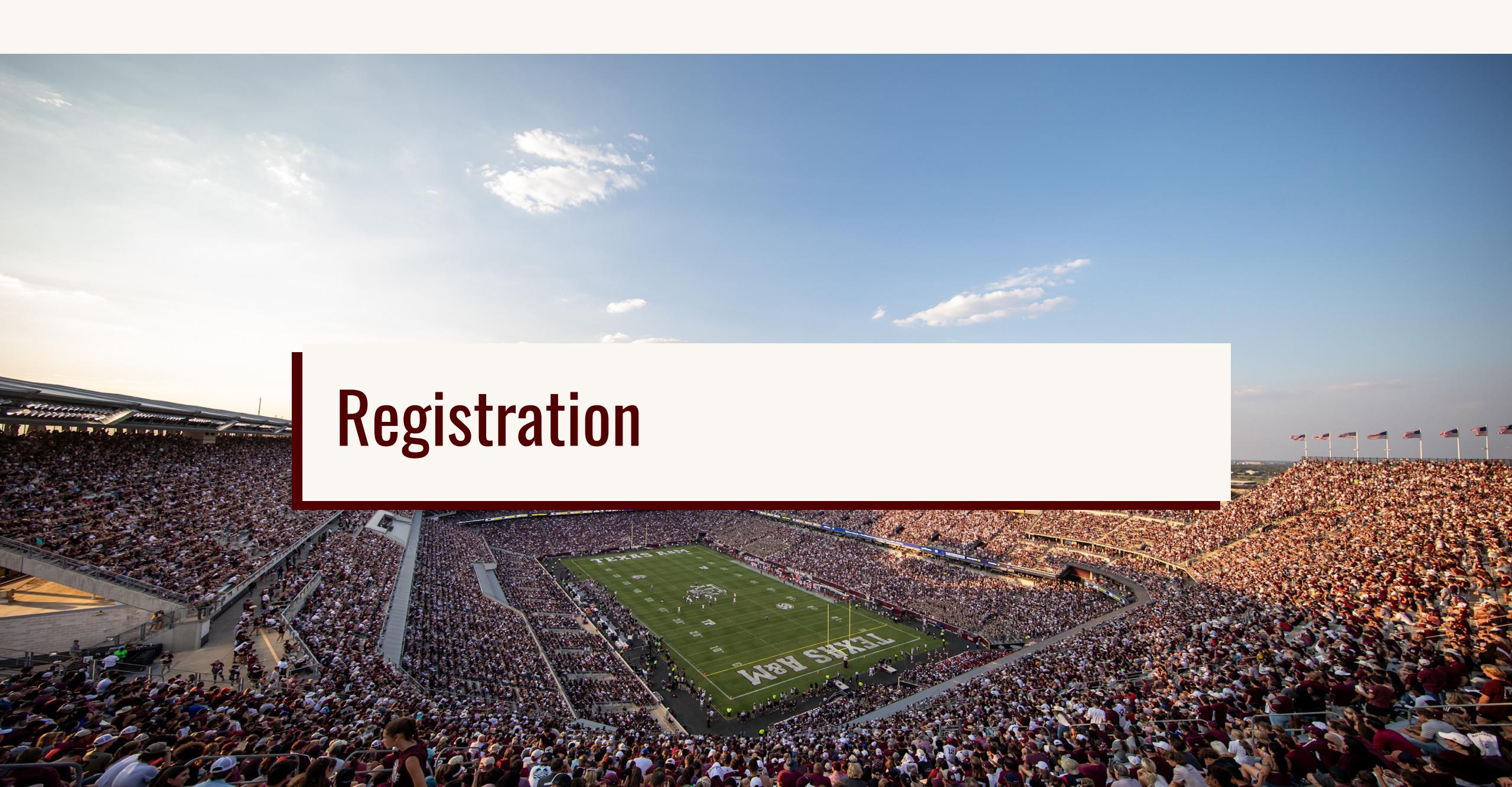
To Q-drop, make an appointment with department Academic Advisor

Note: if Q-dropping a course will drop you below full-time status (12 hours), you may want to

Consult with supporter (e.g. parent for insurance purposes)

Consult with Scholarships & Financial Aid

Registration



Common Registration Errors

Holds

Holds will prohibit you from registering

Check on Howdy > Registration Readiness

Action Items

Action Items *may* prohibit you from registering

Check on Howdy > Registration Readiness

Restrictions and Prerequisites

Watch for Restrictions (e.g. only for certain majors)

Click on the title of the course for that specific section to see restrictions, prereqs, details, etc.

Registration Dates & Times

Enrollment Status

- Full-time status is a minimum of 12 hours
- Part-time (loan eligible) is 6 hours

You will ideally register for 12-15 hours today

Registration Time

Your registration time is today from 3:30PM - 5:00PM

You can change your schedule again during add/drop week.

Add/Drop Week

You can continue to make changes to your schedule (add and drop) during the first week of class, also known as add/drop week:

**First day of class:
Monday, January 12th,
through Friday,
January 16th at 5PM**

Registration Tips

Open Seats only

We will only be registering for open classes. If it's full, move on (for now).

Look for sections with at least 5 or more seats open

Location

Click hyperlinked building abbreviation and room number in Aggie Schedule Builder i.e "HECC 100"

Use Aggie Map search at
aggiemap.tamu.edu

Recommended Routines

Aim for consistent start times for classes in mornings

Distribute classes throughout the week

Plan for meals, breaks, and traveling to/from class

Registration First Steps

Registration Readiness

Take care of the Terms & Conditions, Lab Safety

Acknowledgement, etc.



Registration Readiness

Prepare early for registration by completing all required steps



Aggie Schedule Builder

Course Scheduling & Registration System



Aggie Schedule Builder

Register for courses and perform add/drop actions.



Thanks & Gig 'em!

Contact Us



BLOC 529



979.845.0061



stat-advising@tamu.edu

Follow Us



Texas A&M Statistics



@tamustats

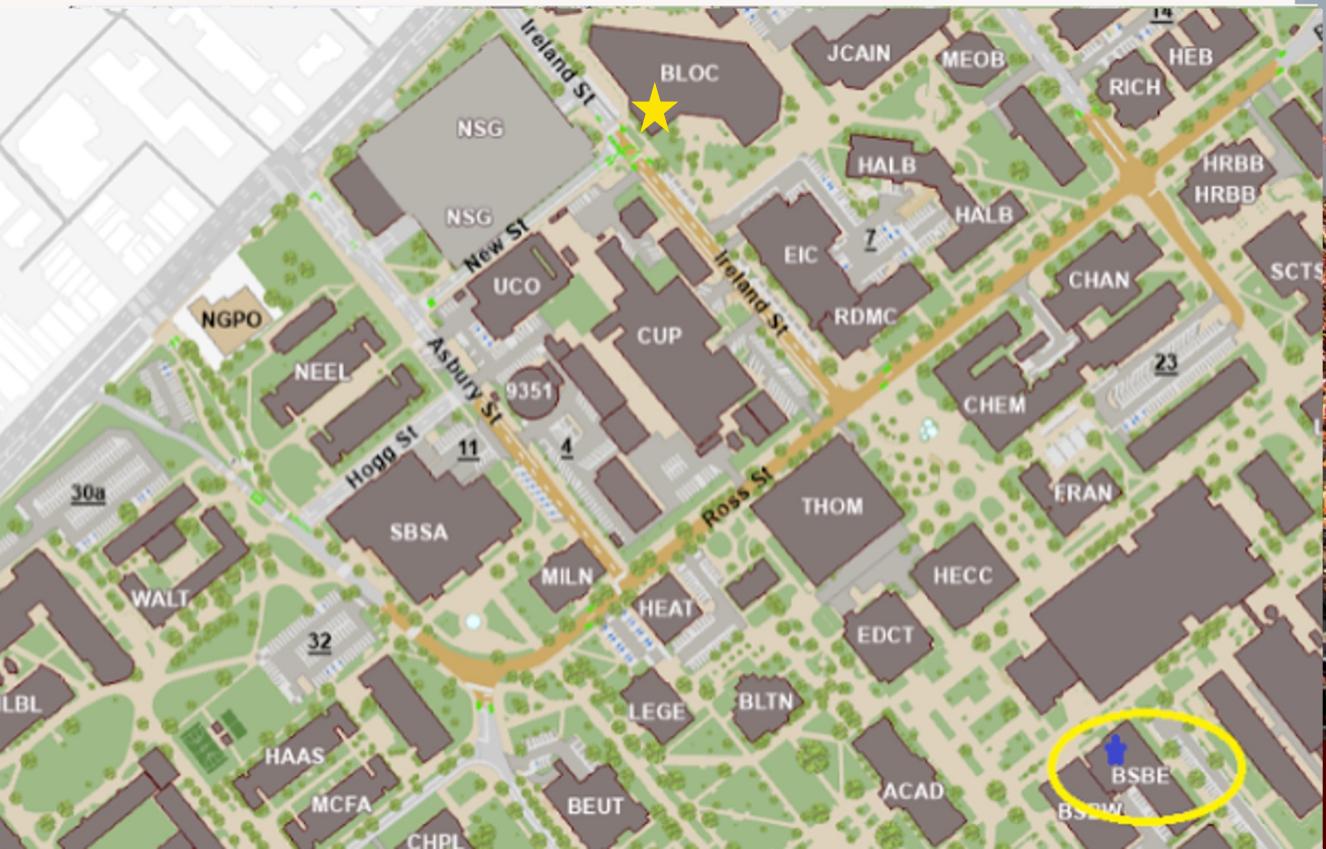


@tamustats



@texasamstatistics

For Parents and Guardians: How can we help you to support your students? 3:15 pm BSBE 115



Registration & Howdy Demo

