



# Department Presentation

Department of Statistics



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# Agenda

12:30 PM  
Presentation

Check In + Welcome + Department

2:45 PM

Break & Family Release

3:00 PM

**Student Q&A and Advising in BLOC 448**

3:15 PM

Family Q&A in BSBE 115

3:30 PM

**Registration in BLOC 448**

5:00 PM

Registration Ends

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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.

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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.

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

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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.



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# 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 alot :)



**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](https://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.

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# 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



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# 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 pursue 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

An aerial photograph of a large football stadium, likely the Cotton Bowl in Dallas, filled with a massive crowd of spectators. The field is green with white yard lines, and the words "TEXAS A&M" are visible on the field. The sky is blue with some clouds. A white rectangular text box is overlaid in the center of the image.

# 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
<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

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

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

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

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

Science Electives		Hours
<i>Choose two from the following:</i>		8
ASTR 111; BIOL 111; BIOL 112; CHEM 119; CHEM 120; PHYS 206/PHYS 226; PHYS 207/PHYS 227		
<i>Choose one more class from the Life and Physical Science list of the University Core Curriculum.</i>		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

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

\*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* or CSCE 111*	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 or MATH 171	Calculus I Requirement	4
MATH 148 or MATH 152 or MATH 172	Calculus II Requirement	4

Prescribed Electives (18)		Hours
<i>Choose three-four from the following:</i>		11/18
BIOL 349, 350, 351, 406, 430; ECEN 419; GENE 405, 419, 464; STAT 335, 406, 408, 445.		
<i>Choose two-three from the following:</i>		7/18
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.		

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
<b>Communication</b>		
ENGL 104	Composition and Rhetoric	3
<i>Choose one from the following:</i>		3
COMM 203, COMM 205, or COMM 243		

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

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
<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</i>		6
ICD		3
CD		3

Foreign Language Requirement

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 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
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

# Major Coursework

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

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

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

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

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

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

# 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

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

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
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

# 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

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-BIOL electives

General Electives (12)	Hours



# CSCE COURSES

Should be completed during or by end of sophomore year

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

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

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
GENE 204		

- 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
<i>Choose one from the following:</i> COMM 203, COMM 205, or COMM 243	3

Science Electives	Hours
<i>Choose two from the following:</i> ASTR 111; BIOL 111; BIOL 112; CHEM 119; CHEM 120; PHYS 206/PHYS 226; PHYS 207/PHYS 227	8
<i>Choose one more class from the Life and Physical Science list of the University Core Curriculum.</i>	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
<i>Choose one from the following:</i> 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
<i>Choose one from the following:</i> 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](http://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](mailto:aggieteach-artsci@tamu.edu)





An aerial photograph of a large football stadium, likely the Cotton Bowl in Dallas, filled with a massive crowd of spectators. The field is green with white yard lines, and the words "TEXAS A&M" are visible on the field. The sky is blue with some clouds. A white rectangular text box is overlaid in the center of the image.

**AP / IB / DUAL / TRANSFER CREDIT**

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# 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.



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# 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





An aerial photograph of a large football stadium, likely the Cotton Bowl in Dallas, filled with a massive crowd of spectators. The field is green with white yard lines, and the words "TEXAS A&M" are visible on the field. The sky is blue with scattered white clouds. A white rectangular box with a dark red border is overlaid on the left side of the image, containing the text "Academic Advising" in a dark red serif font.

# Academic Advising



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# 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

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# 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 60<sup>th</sup> class day of semester (fall or spring) by 5:00 PM

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

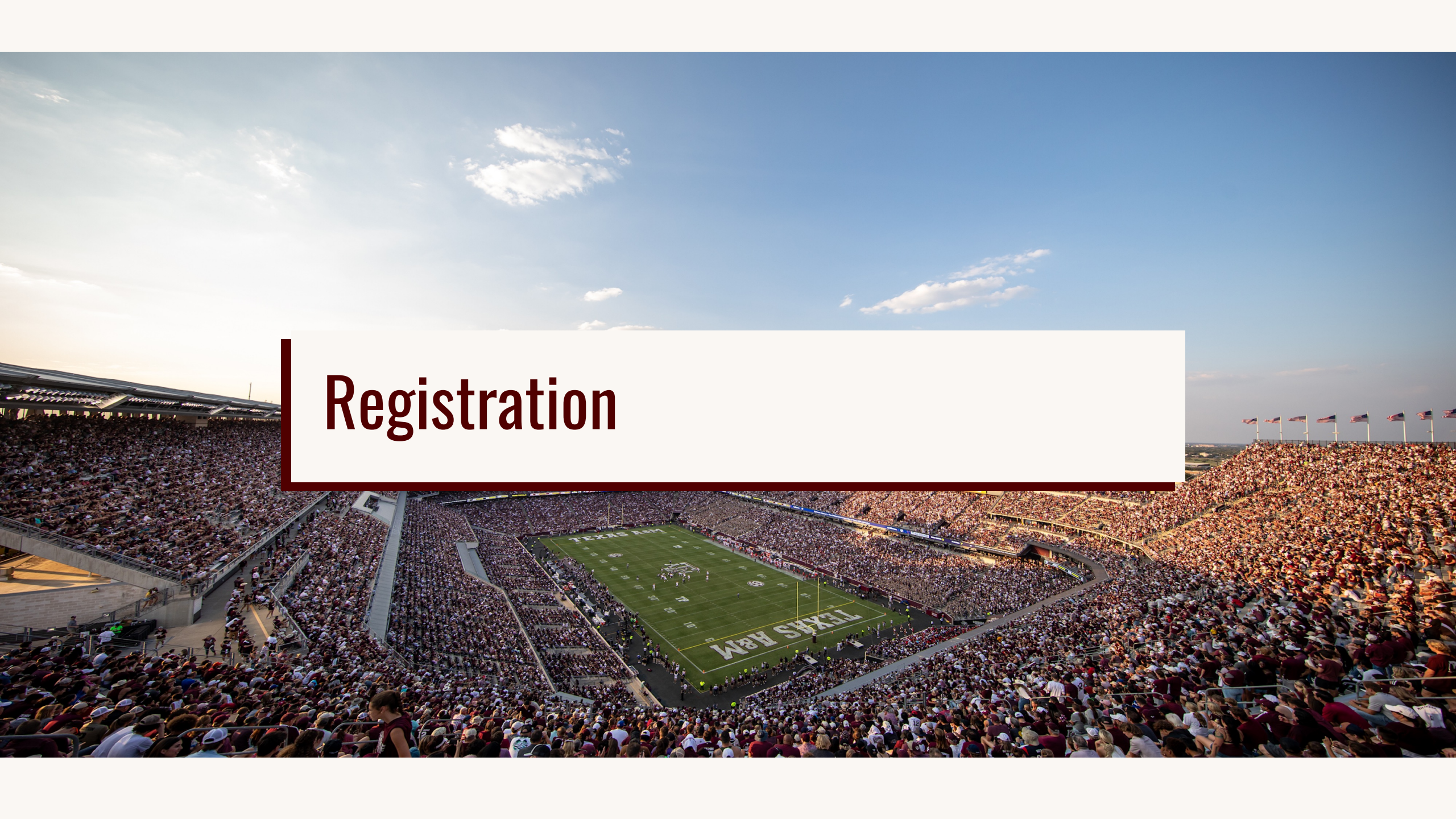
Note: if Q-dropping a course will drop you below full-time status (12 hours), you may want to

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

- Consult with Scholarships & Financial Aid



# Registration



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# Common Registration Errors

## Holds

Holds will prohibit you from registering

Check on Howdy > Registration Readiness

## Action Items

Actions 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.



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# 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**

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# 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](http://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

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# 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



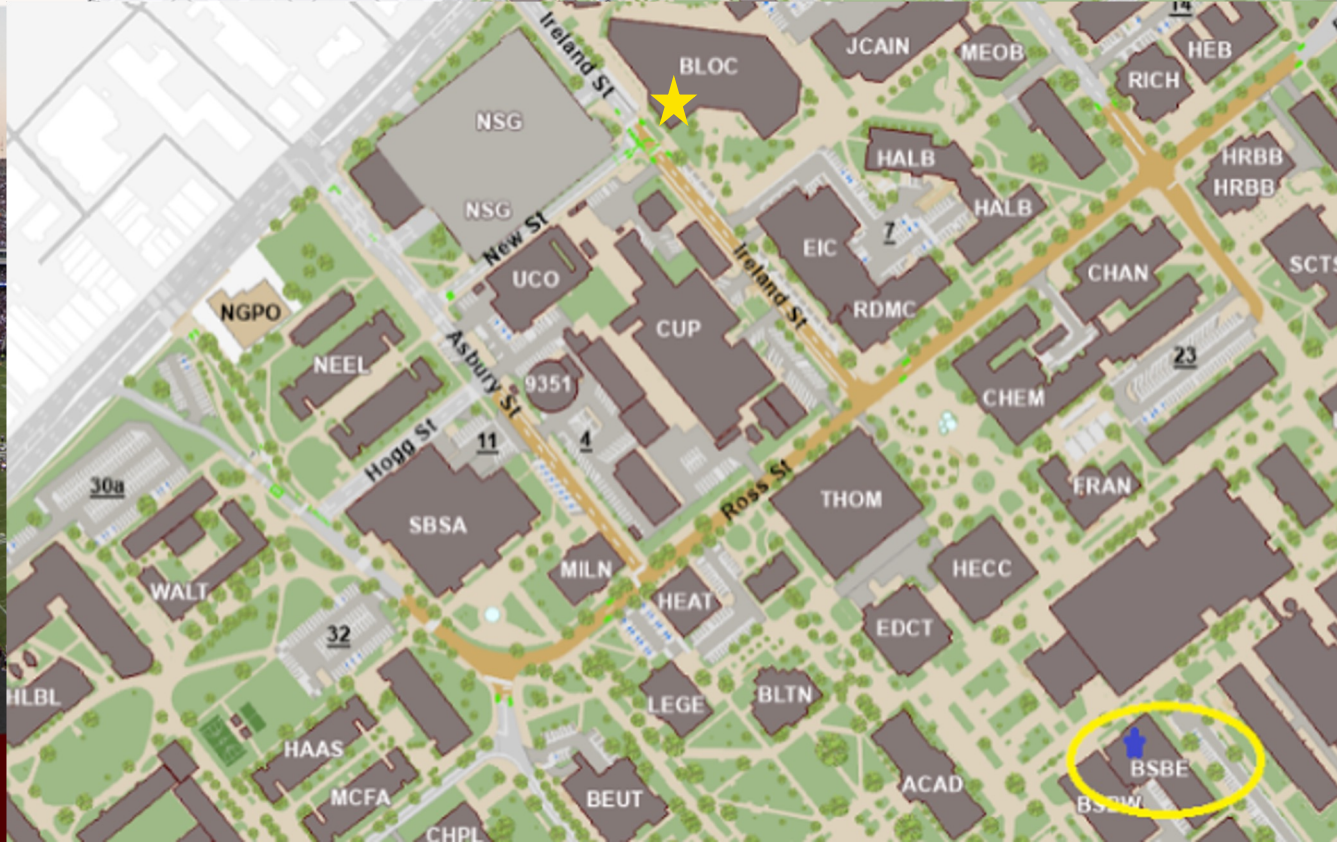
@tamustats



@texasamstatistics



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







# Registration & Howdy Demo