



Undergraduate Degree Map for Completion in Four Years

College:	College of Science, Engineering & Technology <input type="button" value="v"/>
Department:	Mathematics & Statistics <input type="button" value="v"/>
Name of Program:	STATISTICS <input type="button" value="v"/>
Degree Designation:	BS <input type="button" value="v"/>
Emphasis/Concentration:	Applied Mathematics Track <input type="button" value="v"/>
Option:	<input type="text"/>
Version:	1 <input type="button" value="v"/>
Version Explanation:	<input type="text"/>
Type of Program:	Broad Major <input type="button" value="v"/>
Minor Required:	No <input type="button" value="v"/>
Specific Minor (if required):	<input type="text"/>

Program Description:

Statistics is the mathematical science of studying and learning from data. Statisticians acquire, organize, analyze, present and draw inferences from data. Inferences about a population are communicated with measures of likelihood. Statistical analysis is used in a variety of disciplines to communicate uncertainties for the purpose of making informed decisions. Applications of statistics are all around us such as in weather forecasting, surveys, quality control, market demand, causality, and effectiveness of treatments, to name only a few.

Admission Requirements:

In addition to minimum university admission requirements of : a minimum of 32 earned semester credit hours and a minimum cumulative GPA of 2.00, students must complete 10 credits in mathematics and statistics counting towards the Major with a minimum GPA of 2.5.

Advising:

You are expected to meet with your advisor on a regular basis to ensure courses are taken in an order that will lead to successful completion of the degree.

A complete listing of program faculty, policies, and course descriptions is available in the undergraduate bulletin.

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA \geq 2.0 Course Completion Rate \geq 67% Completion of \geq 15 credit hours
MATH	121	Calculus I	4	
STAT	154	Elementary Statistics	3	
GEN ED	Goal Area 1A		4	
IT	210	Fundamentals of Programming	4	

Insert item

Term 1 Notes:

Statistics majors automatically satisfy goal area 4.

TERM 2 - SPRING

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA \geq 2.0 Course Completion Rate \geq 67% Completion of \geq 30 credit hours Advance to Sophomore status
MATH	122	Calculus II	4	
GEN ED	Goal Area 1B		3-4	
GEN ED	Goal Area 3		3-4	
IT	214	Fundamentals of Software Development	4	

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Term 2 Notes:

Apply for Admission to Major at the CSET Student Relations Office located in TR C125. Admission to Major, or provisional Admission to Major, is required to take 300 - 400 level courses.

TERM 3 - FALL

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA \geq 2.0 Course Completion Rate \geq 67%
MATH	223	Calculus 3	4	
STAT	354	Concepts of Probability and Statistics	3	Requires Admission to Major or provisional Admission to Major
GEN ED	Goal Area 3		3-4	
IT	340	Introduction to Database Systems	4	
GEN ED	Goal Area 11		2-3	

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Term 3 Notes:

If you have not been Admitted to Major, apply for Admission to Major at the CSET Student Relations Office located in TR C125. Admission to Major, or provisional Admission to Major, is required to take 300 - 400 level courses

TERM 4 - SPRING

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA ≥ 2.0 Course Completion Rate $\geq 67\%$ Completion of ≥ 60 credit hours Advance to Junior status
STAT	450 or 451	Regression Analysis or Experimental Designs	3	
MATH	247	Linear Algebra I	4	
STAT or GEN ED	459 or Goal Area 6	Nonparametric Methods	3-4	
GEN ED	Goal Area 5		6-8	

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Term 4 Notes:

TERM 5 - FALL

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA ≥ 2.0 Course Completion Rate $\geq 67\%$ Apply for Graduation
STAT	457 or 458	Sample Survey, Design and Analysis or Categorical Data Analysis	3	
GEN ED	Goal Area 7		3-4	
GEN ED	Goal Area 8		3-4	
MATH	Major Emphasis		4	
GEN ED	Goal Area 6		3-4	

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Term 5 Notes:

At least 40 credits must be at the 300 - 400 level

TERM 6 - SPRING

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA ≥ 2.0 Course Completion Rate $\geq 67\%$ Completion of ≥ 90 credit hours Advance to Senior status
STAT	450 or 451	Regression Analysis or Experimental Designs	3	
STAT or GEN ED	459 or Goal Area 6	Nonparametric Methods	3-4	

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA \geq 2.0 Course Completion Rate \geq 67% Completion of \geq 90 credit hours Advance to Senior status
GEN ED	Goal Area 9		3-4	
MATH	Major Emphasis		8	

Insert item

Term 6 Notes:

At least 40 credits must be at the 300 - 400 level

TERM 7 - FALL

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA \geq 2.0 Course Completion Rate \geq 67%
STAT	457 or 458	Sample Survey, Design and Analysis or Categorical Data Analysis	3	
STAT	455	Theory of Statistics I	4	
MATH	Major Emphasis		4	
GEN ED	Goal Area 10		3-4	

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Term 7 Notes:

At least 40 credits must be at the 300 - 400 level

TERM 8 - SPRING

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA \geq 2.0 Course Completion Rate \geq 67%
STAT	456	Theory of Statistics II	4	
STAT	492	Statistics Capstone Experience	3	
GEN ELEC	Elective		8-9	

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Term 8 Notes:

At least 40 credit hours must be at the 300 - 400 level

PROGRAM NOTES

DEGREE MAP CHECKLIST: GRADUATION REQUIREMENTS

<input type="checkbox"/>	1. Minimum of 15 credits per semester
<input type="checkbox"/>	2. General Education = 44 credits
<input type="checkbox"/>	3. Diverse Cultures = 2 course (6 credits minimum) from two disciplines
<input type="checkbox"/>	4. Writing Intensive = 2 courses (6 credits minimum)
<input type="checkbox"/>	5. Major = <input style="width: 30px;" type="text"/> credits
<input type="checkbox"/>	6. Upper-Division Requirements = 40 credits minimum
<input type="checkbox"/>	7. Professional Education (if required) = 30 credits
<input type="checkbox"/>	8. Language Requirements (if BA) = 8 credits minimum
<input type="checkbox"/>	9. Minor = <input style="width: 30px;" type="text"/> credits
<input type="checkbox"/>	10. Total credits required for degree <input style="width: 30px;" type="text"/>

DEGREE MAP COMPLETE

<input checked="" type="checkbox"/>	Map is complete and ready for review <ol style="list-style-type: none"> 1. Faculty please send an email to your Department Chair when map is ready to review. 2. Department Chair please send an email to your Dean when map is ready to review. 3. Dean please send an email to the Assistant Vice President for Undergraduate Studies when map is ready to review.
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DEAN APPROVAL

<input checked="" type="checkbox"/>	Map reviewed and approved by Dean
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Save and Close