



## Undergraduate Degree Map for Completion in Four Years

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

### Program Description:

Mathematics in its purest form is an art concerned with ideas. The Department of Mathematics and Statistics believes that an undergraduate major should be both an introduction to more advanced study and a survey of the many facets of mathematics. From the profound insights Thales to the undecidability of Gödel, from the intuitive to the rigorous, from the abstract to the applied, with a solid emphasis on both the discrete and continuous cases, the Department expects all majors to be engaged in a wide range of mathematical ideas. The B.S. Mathematics program is intended to prepare students for advanced study in mathematics or to work in business, industry or government.

### Admission Requirements:

Meet the University admission requirements of a minimum of 32 earned semester credit hours and minimum cumulative 2.0 GPA. Complete 8 credits of mathematics in courses numbered 121 or higher. Have a minimum 2.5 GPA in mathematics courses.

### 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	
GEN ED	Goal Area 1A		4	
GEN ED	Goal Area 5		3-4	
GEN ED	Goal Area 3		6	

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**Term 1 Notes:**

General Education goal areas 2 and 4 are automatically satisfied. Three hours of goal area 5 are satisfied by the required course Health 240 (Term 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 6		6-8	
GEN ED	Goal Area 11		2-3	

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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 is needed to take 300 and 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 III	4	
MATH	247	Linear Algebra I	4	
GEN ED	Goal Area 7		3-4	
GEN ED	Goal Area 8		3-4	

Insert item

**Term 3 Notes:**

Apply for Admission to Major at the CSET Student Relations Office located in TR C125. Admission to Major or provisional admission is needed to take 300 and 400 level courses. Apply for Admission to Professional Education. This is required to take Level 1 KSP coursework. See Admission to Professional Education in the bulletin under Secondary 5-12 & K-12 Professional Education.

### TERM 4 - 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 $\geq$ 60 credit hours Advance to Junior status
MATH	290	Foundations of Mathematics	4	
MATH	354	Concepts of Probability and Statistics	3	
GEN ED	Goal Area 9		3-4	
HLTH	240		3	
KSP	202	Technology Integration in the Classroom	2	Requires Admission to Professional Education

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#### Term 4 Notes:

See Course Application Policy in Bulletin in the Mathematics section of the Bulletin. Must be admitted to Professional Education to take KSP 202. At least 40 credits of your program must be at the 300 - 400 level.

### TERM 5 - 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% Apply for Graduation
MATH	345	Abstract Algebra I	4	This course is offered only in the fall
MATH	332	College Geometry	4	This course is offered only in the fall
KSP	220W	Human Relations in Multicultural Society	3	This course is taken concurrently with KSP 222
KSP	222	Introduction to the Learner and Learning	3	This course is taken concurrently with KSP 220
GEN ELEC	Elective		3	

Insert item

#### Term 5 Notes:

At least 40 credits of your program 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 $\geq$ 2.0 Course Completion Rate $\geq$ 67% Completion of $\geq$ 90 credit hours Advance to Senior status
MATH	316	Intermediate Analysis	3	This course is only offered in the 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 $\geq$ 90 credit hours Advance to Senior status
MATH	375	Introduction to Discrete Mathematics	4	
MATH	483	Advanced Viewpoint of 5-8 School Mathematics	3	Must be taken concurrently with KSP 330
KSP	330	Planning, Instruction, and Evaluation in the Classroom	5	Must be taken concurrently with MATH 483

#### Term 6 Notes:

See KSP Student Teaching Requirements in the Secondary 5-12 and K-12 Professional Education section of the bulletin. At least 40 credits of your program 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%
MATH	492	Mathematics Capstone Experience	3	This course is only offered in the fall. Two of MATH 316, 345, or 375 must be completed with grade of C or better to take this course.
MATH	485	Teaching Secondary School Mathematics	3	This course is offered only in the fall
KSP	440	Creating Learning Environments to Engage Children, Families and Communities	3	This course is taken concurrently with MATH 485
KSP	442	Reading, Literacy, and Differentiated Instruction in the Inclusive Classroom	3	This course is taken concurrently with MATH 485
GEN ELEC	Elective		3	

#### Term 7 Notes:

See KSP Student Teaching Requirements in the Secondary 5-12 and K-12 Professional Education section of the bulletin. At least 40 credits of your program 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%
KSP	464	Professional Seminar	1	
KSP	447	5-12 Student Teaching	11	

#### Term 8 Notes:

See KSP Student Teaching Requirements in the Secondary 5-12 and K-12 Professional Education section of the bulletin. At least 40 credits of your program must be at the 300 - 400 level.

### PROGRAM NOTES

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### 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: 20px;" 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: 20px;" 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"> <li>1. Faculty please send an email to your Department Chair when map is ready to review.</li> <li>2. Department Chair please send an email to your Dean when map is ready to review.</li> <li>3. Dean please send an email to the Assistant Vice President for Undergraduate Studies when map is ready to review.</li> </ol>
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### DEAN APPROVAL

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