## BACHELOR OF SCIENCE, MAJOR IN MATHEMATICS

Additional information: Reference the Program Landing Page (https://www.shsu.edu/programs/bachelor-degree-in-mathematics/) for additional
information, such as cost, delivery format, contact information, or to schedule a visit.


[^0]4 Advanced MATH electives do not include MATH 3363, MATH 3379/STAT 3379, MATH 3380, MATH 3381, MATH 3383, MATH 3384, MATH 3386, MATH 3387, MATH 4367, MATH 4384, and MATH 4385.
5 Includes at least nine hours of advanced coursework.
6 The following minor cannot be paired with this degree program: Minor in Mathematics.

## Notes

Students must earn a 2.0 minimum overall GPA in all coursework.
Students must meet a 2.5 minimum overall major GPA in all major coursework.
Students must earn a 2.0 minimum SHSU GPA in all coursework.
Students must meet a 2.5 minimum SHSU major GPA in all major coursework.
Minor includes at least nine hours of advanced coursework.
Students should use the minor and electives to complete the 42-advanced hour requirement for graduation.
Anyone considering a degree in Mathematics should consult an advisor in the Department of Mathematics prior to registering for any courses. For more information, please, visit the Lee Drain Building, Room 420.

In order to satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science), except in the Department of Physics, the student must take 8 semester credit hours of classes from the following:

| Code | Title | Hours |
| :--- | :--- | ---: |
| Required Courses |  | 8 |
| BIOL 1411 | General Botany |  |
| $\&$ BIOL 1413 | and General Zoology |  |
| or CHEM 1411 | General Chemistry I |  |
| $\&$ CHEM 1412 | and General Chemistry II |  |

Any two lab courses from Geology or Geography
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## First Year



| Third Year |  |  |  |
| :---: | :---: | :---: | :---: |
| Fall | Hours | Spring | Hours |
| COSC 1436 |  | 4 Component Area V (http://catalog.shsu.edu/ undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/ \#componentareav) | 3 |
| General Electives |  | 1 ENGL 2332 or $2333{ }^{7}$ | 3 |
| MATH 4361 |  | 3 MATH 4366 | 3 |
| MATH 4371 |  | 3 MATH Advanced Electives ${ }^{8}$ | 3 |
| Minor ${ }^{6}$ |  | 3 Minor ${ }^{6}$ | 3 |
|  |  | 14 | 15 |
| Fourth Year |  |  |  |
| Fall | Hours | Spring | Hours |
| Component Area VIII (http://catalog.shsu.edu/ undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/ \#componentareaviii) |  | 3 General Electives | 3 |
| General Electives |  | 3 General Electives | 3 |
| MATH 4377 |  | 3 General Electives | 3 |
| MATH Advanced Electives ${ }^{8}$ |  | 3 Minor Advanced ${ }^{6}$ | 3 |
| Minor Advanced ${ }^{6}$ |  | 3 Minor Advanced ${ }^{6}$ | 3 |
| 15 |  |  | 15 |

## Total Hours: 120

1 Science Course for Science Majors: BIOL 1411 and BIOL 1413 or CHEM 1411 and CHEM 1412.
2 Satisfies Core Curriculum requirement for Component Area I (Communications).
3 Satisfies Core Curriculum requirement for Component Area VI (U.S. History).
4 Satisfies Core Curriculum requirement for Component Area II (Mathematics) and one semester credit hour of Component Area IX (Component Area Option).
5 Satisfies Core Curriculum requirement for Component Area VII (Political Science/Government).
6 The following minor cannot be paired with this degree program: Minor in Mathematics.
7 Satisfies Core Curriculum requirement for Component Area IV (Language, Philosophy, and Culture).
8 Advanced MATH electives do not include MATH 3363, MATH 3379/STAT 3379, MATH 3380, MATH 3381, MATH 3383, MATH 3384, MATH 3386, MATH 3387, MATH 4367, MATH 4384, and MATH 4385.

## Notes

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Students must meet a 2.5 minimum overall major GPA in all major coursework.

Students must earn a 2.0 minimum SHSU GPA in all coursework.

Students must meet a 2.5 minimum SHSU major GPA in all major coursework.

Minor includes at least nine hours of advanced coursework.

Students should use the minor and electives to complete the 42-advanced hour requirement for graduation.

Anyone considering a degree in Mathematics should consult an advisor in the Department of Mathematics prior to registering for any courses. For more information, please, visit the Lee Drain Building, Room 420.

In order to satisfy the Core Curriculum requirement for Component Area III (Life and Physical Science), except in the Department of Physics, the student must take 8 semester credit hours of classes from the following:

| Code | Title |
| :--- | :--- |
| Required Courses |  |
| BIOL 1411 | General Botany |
| \& BIOL 1413 | and General Zoology |
| or CHEM 1411 | General Chemistry I |

## or CHEM 1412 <br> General Chemistry II

Any two lab courses from Geology or Geography

The Texas Higher Education Coordinating Board (THECB) marketable skills initiative is part of the state's 60x30TX plan and was designed to help students articulate their skills to employers. Marketable skills are those skills valued by employers and/or graduate programs that can be applied in a variety of work or education settings and may include interpersonal, cognitive, and applied skill areas.

The BS in Mathematics is designed to provide graduates with the following marketable skills:

- Learn, synthesize, and explain sophisticated information.
- Simplify complex problems by generating hypotheses and recognizing fundamental principles.
- Apply logic and quantitative reasoning to solve problems in science and technology.
- Perform proficiently in scientific computing environments, databases and programming languages such as Matlab, Mathematica, SageMath, Excel, Java, and Python.


[^0]:    1 MATH 1420 satisfies the Core Curriculum requirement for Component Area II (Mathematics) and one semester credit hour of the Core Curriculum requirement for Component Area IX (Component Area Option).
    2 Satisfies Core Curriculum requirement for Component Area III (Life and Physical Science).
    3 Satisfies the Core Curriculum requirement for Component Area IV (Language, Philosophy, and Culture).

