

TRANSFER ARTICULATION: MATHEMATICS

The Department of Mathematics and Statistics (<https://www.shsu.edu/academics/mathematics-and-statistics/>) has designed a curriculum that is flexible enough to accommodate degree plans that emphasize abstract mathematics, statistics, and mathematics teacher preparation. An undergraduate degree in mathematics prepares a student for a wide variety of career opportunities in business, industry, and education, which call for analytic and problem-solving abilities.

Students who are interested in becoming a high school mathematics teacher can choose one or two teaching fields as an option. Contact the Department of Mathematics and Statistics (<https://www.shsu.edu/academics/mathematics-and-statistics/>) for further details.

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Location: LDB 420

The Department of Mathematics and Statistics (<https://www.shsu.edu/academics/mathematics-and-statistics/>) offers both Bachelor of Arts and Bachelor of Science degrees in Mathematics. In the BA program, there are 36 required hours of mathematics as opposed to 39 hours in the BS program. Additionally, students seeking a BA must take freshmen and sophomore courses of a foreign language. Students seeking the BS replace the foreign language requirement with coursework in the sciences. In particular, students in this degree program are required to take calculus-based physics as partial fulfillment of their degree requirements. Proper selection of science courses designated for "majors" may enhance your employability.

Courses Transfer Students Should Take at the Community College:*

SHSU Course Number	College/TCCN	SHSU Course Title	Semester Credit Hours
MATH 1420	MATH 2413	Calculus I	4
MATH 1430	MATH 2414	Calculus II	4
MATH 2440	MATH 2415	Calculus III	4
MATH 3376	MATH 2320	Differential Equations	3
MATH 3377	MATH 2318	Intro to Linear Alg & Matrics	3
COSC 1436	COSC 1436	Programming Fundamentals I	4
ENGL 2332	ENGL 2332	Wrld Lit I: Before 17 Century	3
PHYS 1411	PHYS 2425	Introduction To Physics I	4

***Note:** Other courses may transfer, depending upon the selected degree or program. Meet with your academic advisor to confirm whether coursework will transfer from another institution. For a complete listing of degree-specific requirements, please, review the degree plan within the Undergraduate Catalog (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/>).

Transfer credit for MATH 3376 and MATH 3377 do not count towards advanced credits.

- Bachelor of Arts, Major in Mathematics (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/mathematics-statistics/ba-mathematics/>)
- Bachelor of Science, Major in Mathematics (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/mathematics-statistics/bs-mathematics/>)
- Bachelor of Science, Double Major in Education and Mathematics (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/education/school-of-teaching-and-learning/bs-education-and-mathematics/>)
- Minor in Mathematics (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/mathematics-statistics/minor-mathematics-without-teacher-certification/>)
- Minor in Statistical Method (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/mathematics-statistics/minor-statistical-method/>)
- Minor in Statistical Theory (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/colleges-academic-departments/science-and-engineering-technology/mathematics-statistics/minor-statistical-theory/>)

Field of Study

Sam Houston State University supports the State of Texas Fields of Study (<https://www.highered.texas.gov/our-work/supporting-our-institutions/program-development/texas-transfer-framework/>).

The Core Curriculum (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/>) at Sam Houston State University (to be used by all incoming students as of fall 2014) contains 42 semester credit hours, encompassing nine component areas. Each component area has a minimum credit hour requirement and a selection of specific courses that may be used to satisfy the requirement. The Core Curriculum (<http://catalog.shsu.edu/archives/2023-2024/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/>) details Sam Houston State University courses and their Texas Common Course Number (TCCN) equivalents for college transfer students which comprise SHSU's core curriculum.

Many SHSU disciplines including the sciences, business, and education require specific courses from the SHSU core as degree specific graduation requirements. To minimize cost and time to complete degree requirements always select SHSU/transfer core courses specified as degree requirements in your intended major. If you have not decided on a major, select core courses supporting your intended area of academic concentration.

Prior to enrolling in core classes, students are encouraged to review specific degree requirements for their major. Selection of major-specified core courses reduces the total number of hours required for graduation.

If you do not see a Texas Common Course Number (TCCN) mapping a specific core course to your transfer institution, please go to Transfer Course Equivalency Guide (<https://ww2.shsu.edu/regr27wp/>) and select your institution from the drop-down menu. The result will list all currently mapped transfer courses from your institution to SHSU courses.