MATHEMATICS MAJOR

The Mathematics Department offers concentrations in mathematics and mathematics/secondary education; it also offers a major in data science jointly with the Computer Science Department. Information about the Data Science major is in a separate section for that major. Students may not earn majors in both Mathematics and Data Science. Students may not earn a minor in Mathematics with a major in Data Science.

Acceptance to Major Requirements

Course Requirements:

Code	Title	Hours
MATH 119	Calculus I	4
MATH 120	Calculus II	4
MATH 239	Linear Algebra	4
or MATH 304	Foundations and Structures of Mathematics	

Minimum Grade and/or GPA for required courses: 2.00 GPA

Minimum Cumulative GPA: 2.00

40 credits required

Code	Title	Hours
MATH 119	Calculus I	4
MATH 120	Calculus II	4
MATH 239	Linear Algebra	4
MATH 304	Foundations and Structures of Mathematics	4
MATH 331	Algebraic Structures I	4
MATH 343	Analysis I	4
Select 16 additional upper-division credits in mathematics		16
Total Hours		**40**

Students anticipating a major in mathematics and/or the natural sciences ordinarily begin their study of mathematics with MATH 119 Calculus I. However, a student needing further preparation before beginning calculus should enroll in MATH 115 Pre-Calculus Mathematics. Students interested in advanced placement should contact the department chair.

Additional Requirements:

General Education Requirements:

All undergraduate students must complete the requirements of the Integrations Curriculum (IC) which is designed to ensure all of our students receive a liberal arts education. Please review details of the Integrations Curriculum (https://catalog.csbsju.edu/catalog/academic-programs-policies-regulations/integrations-curriculum/) requirements here (https://catalog.csbsju.edu/catalog/academic-programs-policies-regulations/integrations-curriculum/).

Graduation Requirements:

In addition to the Integrations Curriculum, all undergraduate students must meet the following minimum degree requirements to earn their degree from CSB and SJU.

Credits: 124 total credits, 40 of which must be from upper division coursework

GPA: 2.0 or higher*

Residency: At least 24 of your last 32 credits must be completed at CSB and SJU

Please visit Graduation (https://catalog.csbsju.edu/catalog/academic-programs-policies-regulations/graduation/) under the Academic Policies and Regulations (https://catalog.csbsju.edu/catalog/academic-programs-policies-regulations/) portion of the catalog for additional details regarding degree requirements.

Cumulative GPA as well as major(s)/minor(s) GPA. Please note some majors/minors may require a higher GPA to earn their degree.

Four Year Plan

Course	Title	Hours
First Year		
Fall		
INTG 105	College Success	1
INTG 100	Foundations	4
Language 111		4
MATH 119	Calculus I	4
Elective (Integrations Requirement)		4
Hours		**17**
Spring		
Elective (Integrations Requirement)		4
THEO 100	Theological Explorations	4
Language 112		4
MATH 120	Calculus II	4
Hours		**16**
Second Year		
Fall		
Elective (Integrations Requirement)		4
Language 211		4
MATH 239	Linear Algebra	4
Elective (Integrations Requirement)		4
Hours		**16**
Spring		
Elective (Integrations Requirement)		4
Elective (Integrations Requirement)		4
MATH 304	Foundations and Structures of Mathematics	4
Elective (Integrations Requirement)		4
Hours		**16**
Third Year		
Fall		
Elective (Integrations Requirement)		4
Elective (Integrations Requirement)		4
MATH 3@@		4
MATH 3@@		4
Hours		**16**
Spring		
Study Abroad		16
Global Engagement/Experiental Engagement		
Hours		**16**
Fourth Year		
Fall		
Theological Integrations (TI)		4
MATH 331	Algebraic Structures I	4
MATH 3@@		4
Elective (Integrations Requirement)		4
Hours		**16**
Spring		
INTG 300	Learning Integrations	4

MATH 343	Analysis I	4
MATH 3@@		4
Elective (Integrations Requirement)		4
	Hours	**16**
	Total Hours	**129**