

ECONOMICS MAJOR WITH A DATA ANALYTICS CONCENTRATION

Acceptance to Major Requirements

Course Requirements:

Code	Title	Hours
ECON 111	Introduction to Economics	4
MATH 118 or MATH 119	Essential Calculus Calculus I	4
ECON 332 or ECON 333	Microeconomic Theory Macroeconomic Theory	4
ECON 300+		4

Minimum Grade and/or GPA for required courses: 2.0 GPA

Minimum Cumulative GPA: 2.0

Other Requirements: No more than one of these courses should be at the CD level. It is possible for a student to apply to the major with ongoing enrollment in ECON 332 Microeconomic Theory/ECON 333 Macroeconomic Theory or ongoing enrollment in ECON 300+ having completed the other requirements with a high GPA.

Conditional acceptance to major: The department chair may, at their discretion, admit students to the major who do not meet the criteria for unconditional acceptance. Such students may proceed with current registration, but their subsequent continuation in the major will be contingent on meeting expectations stipulated by the department chair.

52 credits required

Required Courses for all Economics Majors

Code	Title	Hours
ECON 111	Introduction to Economics	4
ECON 332	Microeconomic Theory	4
ECON 333	Macroeconomic Theory	4
ECON 334	Introductory Econometric Analysis	4
ECON 384	Advanced Research in Economics	4
MATH 118 or MATH 119	Essential Calculus Calculus I	4
MATH 124 or MATH 345	Probability and Statistical Inference Mathematical Statistics I	4
One ECON 300-329 or One ECON 350+		4
Two ECON 350+		8
Total Hours		40

Required Additional Courses for Data Analytics Concentration

Code	Title	Hours
ECON 350	Topics in Econometrics and Data Analysis	4
DATA 162 & DATA 272	Data Analysis and Visualization and Intermediate Data Analysis and Visualization	4

CSCI 150	Introduction to Computing in the Liberal Arts and Sciences	4
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Total Hours 12

Suggestions

Students majoring in economics are advised to complete the required two MATH courses and the ECON 111 Introduction to Economics, ECON 332 Microeconomic Theory, ECON 333 Macroeconomic Theory, and ECON 334 Introductory Econometric Analysis courses no later than the middle of their junior year. Mathematics and statistics are essential tools for graduate education and professional work in economics. The department therefore advises that students who are contemplating graduate study in economics minor in mathematics, with students taking MATH 119 Calculus I, MATH 120 Calculus II, MATH 239 Linear Algebra, MATH 305 Multivariable Calculus, MATH 345 Mathematical Statistics I, and either MATH 343 Analysis I or MATH 346 Mathematical Statistics II. In addition, ECON 350 Topics in Econometrics and Data Analysis should be included among the economics courses taken for the major.

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/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
LANG 111		4
ECON 111	Introduction to Economics	4
MATH 119	Calculus I	4
Hours		17

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Spring		
XXXX XXX		4
THEO 100	Theological Explorations	4
LANG 112		4
Select one of the following:		4
ECON 300-329		
ECON 332 or ECON 333	Microeconomic Theory or Macroeconomic Theory	
Hours		16
Second Year		
Fall		
XXXX XXX		4
LANG 211		4
Select one of the following:		4
ECON 300-329		
ECON 332 or ECON 333	Microeconomic Theory or Macroeconomic Theory	
DATA 162	Data Analysis and Visualization	2
MATH 124	Probability and Statistical Inference	4
Hours		18
Spring		
XXXX XXX		4
CSCI 150	Introduction to Computing in the Liberal Arts and Sciences	4
Select one of the following:		4
ECON 300-329		
ECON 332 or ECON 333	Microeconomic Theory or Macroeconomic Theory	
ECON 334	Introductory Econometric Analysis	4
Hours		16
Third Year		
Fall		
XXXX XXX		4
XXXX XXX		4
XXXX XXX		4
ABROAD Perhaps		
Hours		12
Spring		
ECON 350+		4
Select one of the following:		4
ECON 350	Topics in Econometrics and Data Analysis	
ECON 350+		
XXXX XXX		4
XXXX XXX		4
DATA 272	Intermediate Data Analysis and Visualization	2
Hours		18
Fourth Year		
Fall		
Select one of the following:		4
ECON 350	Topics in Econometrics and Data Analysis	
ECON 350+		
INTG 300	Learning Integrations	4
XXXX XXX		4
XXXX XXX		4
DATA 314	DATA ANALYTICS PROJECT	2
Hours		18
Spring		
ECON 384	Advanced Research in Economics	4
XXXX XXX		4
XXXX XXX		4

XXXX XXX	4
Hours	16
Total Hours	131