DATA ANALYTICS MINOR

Code	Title	Hours
College-Level Statistics		4
DATA 162	Introductory Data Analysis and Visualization	2
CSCI 150	Introduction to Computing in the Liberal Arts and Sciences	4
DATA 272	Intermediate Data Analysis and Visualization [1]	2
DATA 314	Data Analytics Project [2]	2
Approved (300-Level) course [3]		4
Approved courses [3]		4
Total Hours		**22**

[1] Prerequisite: CSCI 1XX, DATA 162 Introductory Data Analysis and Visualization, and 1 college-level statistics course

[2] Prerequisite: DATA 272 Intermediate Data Analysis and Visualization and completion of 1 Elective course

[3] No more than 4 elective credits can be from major courses or other minor outside of Data Analytics.

Current Elective Courses

Code	Title	Hours
ACFN 340	Accounting Information Systems	4
BIOL 373F/ CSCI 317D	Bioinformatics [1]	4
BIOL 373L	Mathematical Modelling in Biology [2]	4
BIOL 316	General Genetics	4
CSCI 160	Problem Solving, Programming, and Computers (for non-CS majors/minors)	4
CSCI 200	Abstraction, Data Structures, and Large Software Systems (for non-CS majors/minors)	4
CSCI 317D	Bioinformatics	4
CSCI 331	Database Systems	4
CSCI 332	Machine Learning	4
CSCI 351	Principles of Parallel Computing	4
ECON 314	Economics of Financial Institutions and Markets	4
ECON 334	Introductory Econometric Analysis	4
ECON 350	Topics in Econometrics and Data Analysis	4
ECON 353	Labor Economics and Policy Analysis	4
ECON 376	Industrial Organization and Public Policy	4
ENGL 217	Creative Inquiries	4
ENVR 311	Introduction to Geographical Information Systems	4
GBUS 342	Advanced Computer Applications	2
GBUS 343	Information Systems and Security Concerns in Global Business	2
MATH 318	Applied Statistical Models	4
MATH 339	Mathematical Modeling	4
PHYS 222/322	C++ and Fortran for Scientists	2
POLS 222	Research Methods in Political Science	4
POLS 223	Comparative Politics	4
POLS 343	Revolutions and Social Movements	4
POLS 355	Globalization	4
POLS 356	Security: Defense, Diplomacy and Development	4
PSYC 235	Research Methods	4
PSYC 347	Advanced Statistics and Measurements	4

[1] Cross-listed as CSCI 317D Bioinformatics and MATH 340 Topics in Advanced Mathematics

[2] Also cross-listed with MATH 340 Topics in Advanced Mathematics.

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.