

STATS COURSES

at JJC



A working knowledge of statistics is key to many careers in medicine, genetics, business, public policy and other fields.

By studying statistics, students can build the foundation they need to make informed decisions and extract information from data.

STAT 101: Introduction to Data Science

This is an introductory course to the field of data science and roles of a data scientist. Topics will include: history of data science, ethics, available tools, methodology, visualization and pathways to data science careers. This course will expose students to applications in various fields and prepare them to be critical thinkers of future career paths. An introduction to R is included.

PreReq: Math090 or equivalent

STAT 228: Advanced Statistics

A second course in statistics, focusing on advanced topics including: data manipulation, variable creation, and transformations; multiple regression; nonlinear regression; ANOVA; and non-parametric statistics. This course uses a statistical software package such as R or other equivalent programs.

PreReq: Math128 or equivalent

STAT 229: Statistical Programming

This course will use a statistical programming language to perform effective data analysis. Students will acquire statistical programming skills including reading data, accessing statistical packages, writing functions, debugging, profiling code, organizing code and commenting code.

PreReq: department permission

STAT 230: Data Visualization

This course will introduce students to the field of data preparation and visualization including design and hands-on experience. Students will learn how to collect, transform, curate, and analyze datasets. The course will introduce students to design and build principles for telling stories for effective communications to facilitate data-driven decision-making and provide insights.

PreReq: department permission

Email DataScience@jjc.edu for questions or help registering!

All courses are 3 credits and transfer as direct course equivalency or general course equivalency credit to 4-year institutions. Learn more about JJC's 3+1 partnership with Lewis University at jjc.edu/math or scan code.

