

DEGREE PLANNING GUIDE: 2024-2025

B.S. in Data Science

Beginning with MATH 108 or MATH 113

First year (<28 credits)	Sophomore (28-59 credits)	Junior (60-91 credits)	Senior (92+ credits)
Semester 1 DASC 120* or CISC 131* MATH 108* (or MATH 113*)	Semester 1 DASC 130* or DASC 240* CISC 230 or MATH 128	Semester 1 DASC 360* CISC 450 (Fall Only)	Semester 1 DASC 336* or DASC Elective DASC Elective
Semester 2 DASC 120* or CISC 131* MATH 109* (if needed)	Semester 2 DASC 130* or DASC 240* CISC 230 or MATH 128	Semester 2 DASC 400* DASC 336* or DASC Elective	Semester 2 DASC 460* (Spring Only)

Double Major in Computer Science

First year (<28 credits)	Sophomore (28-59 credits)	Junior (60-91 credits)	Senior (92+ credits)
Semester 1 CISC 131 MATH 108* (or MATH 113*)	Semester 1 DASC 130* CISC 231* MATH 128	Semester 1 DASC 336* DASC 360* CISC 350*	Semester 1 CISC 450 (Fall Only) CISC 480*
Semester 2 DASC 120* CISC 230* MATH 109* (if needed)	Semester 2 DASC 240* CISC 340*	Semester 2 DASC 400* CISC 380* DASC Elective	Semester 2 DASC 460* (Spring Only) CISC 451 (Spring Only)

Requirements for Degree

Program Required Courses:

DASC 120* Intro to Computational Statistics
 or DASC 111* and 112* Intro to Comp Stats
 DASC 130* Introduction to Data Science
 DASC 240* Applied Regression Analysis
 DASC 336* Data Comm and Visualization
 DASC 360* Multivariate Stats and Data Analysis
 DASC 400* Data Mining and Machine Learning
 DASC 460* Stats and Data Science Practicum

Eight Credits of Electives from the Following:

DASC 210 Biostatistics
 DASC 380 Spatial Statistics
 DASC 414 Network Science and Graph Theory
 DASC 298 (or STAT 298) Topics
 DASC 490 (or STAT 490) Topics
 STAT 370 Bayesian Statistical Models
 STAT 413 Generalized Linear Mixed Models
 CISC 451 Database II

Allied Requirement Courses:

MATH 113* Calculus I
 or MATH 108* and 109* Calculus with Review
 or MATH 111* and 112* Calculus for Business
 MATH 128 Introduction to Discrete Mathematics
 CISC 131* Programming & Problem Solving
 or CISC 130* Programming & Problem Solving
 CISC 230 Object Oriented Design & Programming
 CISC 450 Database I

Special Note

* A grade of C- or above must be earned by majors in these required courses