

Information Sciences Curriculum Guide

An example: Four year plan for **Information Sciences Major** (Data Science emphasis)

120 credits necessary to graduate.

Plan is a representation and categories of classes can be switched. Check with your advisor.

Course	Title	Credits
Freshman		
Fall		
COMM 133	Fundamentals of Public Address	3
COMP SCI 201	Introduction to Computing & Internet Technologies	3
First Year Seminar		3
General Ed		3
General Ed		3
		Credits
		15
Spring		
COMM 205	Elements of Media	3
COMP SCI 256	Introduction to Software Design	4
INFO SCI 302	Introduction to Data Science	3
General Ed		3
General Ed		3
		Credits
		16
Sophomore		
Fall		
COMM 290	Communication Problems and Research Methods	3
COMP SCI 221	Database Design & Management	3
COMP SCI 231	Introduction to IT Operations	3
General Ed		3
Elective		3
		Credits
		15
Spring		
COMP SCI 240	Discrete Mathematics	4
INFO SCI 308	Information Technologies	3
MATH 260	Introductory Statistics	4
General Ed		3
Elective		3
		Credits
		17
Junior		
Fall		
INFO SCI 361	Introduction To Information Assurance & Security	3
General Ed		3
Elective		3
Elective		3
		Credits
		12
Spring		
INFO SCI 410	Analytics and Information Problems	3
INFO SCI 411	Statistical Techniques and Decision Modeling	3
General Ed		3
Elective		3

Elective		3
	Credits	15
Senior		
Fall		
INFO SCI 412	Data Mining and Predictive Analytics	3
COMM, COMP SCI, or INFO SCI course		3
Elective		3
Elective		3
Elective		3
	Credits	15
Spring		
COMP SCI 451	Database Systems and Big Data Processing	3
General Ed		3
Elective		3
Capstone		1-4
Elective		3
	Credits	13-16
	Total Credits	118-121