MISSISSIPPI STATE UNIVERSITY™
DATA SCIENCE

Social Data Analytics

Year One

Fall Semester		
EN	1103	English Composition I
MA	1713	Calculus I
CSE	1284	Intro to Programming
DSCI	2013	Data Science Literacy
		Lab Based Science

Spring Semester		
EN	1113	English Composition II
MA	1723	Calculus II
CSE	1384	Intermediate Programming
DSCI	2012	Data Wrangling Lab
		Lab Based Science

Year Two

Fall Semester		
MA	2733	Calculus III
CSE	2813	Discrete Structures
DSCI	3013	Data Acquisition
BIS	3233	Management Information Systems
		Humanities

Spring Semester		
MA	3123	Statistical Inference
CSE	2383	Data Structures & Analysis of Algorithms
DSCI	4013	Data Visualization
PHI	1113	Intro to Logic
		Fine Art

Year Three

Fall Semester		
MA	3113	Intro to Linear Algebra
CSE	4633	Artificial Intelligence
DSCI	3022	Data Visualization Lab
		Oral Communication Course
		Social/Behavioral Science
		1 of 3 Fundamental Courses

Spring Semester		
MA	4523	Intro to Probability
CSE	4503	Database Management Systems
DSCI	3012	Description, Analysis & Inference Lab
		Written Communication Course
		2 of 3 Fundamental Courses
		3 of 3 Fundamental Courses

Year Four

Fall Semester		
CSE	3763	Legal & Ethical Issues in Computing
DSCI	3032	Artificial Intelligence Lab
		1 of 5 Concentration Courses
		2 of 5 Concentration Courses
DSCI	4553	Senior Capstone One

Spring Semester		
DSCI	2022	Cloud, Quantum & High Perf Computing Lab
		3 of 5 Concentration Courses
		4 of 5 Concentration Courses
		5 of 5 Concentration Courses
DSCI	4663	Senior Capstone Two

Fundamental Course List (Choose 3)

AN 1103 Intro to Anthropology
AN 1143 Intro to Cultural Anthropology
AN 1344 Intro to Bio Anthropology
CO 1403 Intro to Mass Media
GR 2313 Maps and Remote Sensing
PS 1313 Intro to International Relations
PS 1513 Comparative Government
PS 2703 Intro to Public Policy
CRM 1003 Crime and Justice in America
SO 1003 Intro to Sociology
SO 1103 Contemporary Social Problems

Concentration Course List (Choose 5 courses)

AN 3343 Intro to Forensic Anthropology
AN 4173 Environment and Society
AN 4163 Anthropology of International Development
AN 4323 Plagues and People
CO 4213 Political Communication
CO 4283 Health Communication
CRM 4253 White Collar and Computer Crime
GR 3303 Survey of Geospatial Technologies
GR 4123 Urban Geography
PS 4243 State Election Policy and Politics
PS 4283 Public Opinion
PS 4293 Political Behavior
PS 4343 International Conflict and Security
PS 4373 International Terrorism
PS 4464 Political Analysis
PS 4523 Democracy and Inequality
PS 4613 Civil Wars and Intra-State Conflict
SO 3303 Rural Sociology
SO 4113 Social Organization and Change
SO 4123 Poverty, Analysis: People, Org, and Program
SO 4173 Environment and Society