



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
		Choice of Agriculture Course

Spring Semester		
MA	4523	Intro to Probability
CSE	4503	Database Management Systems
DSCI	3012	Description, Analysis & Inference Lab
		Written Communication Course
		Choice of Forest Resources Course
		1 of 2 Concentration Courses

Year Four

Fall Semester		
CSE	3763	Legal & Ethical Issues in Computing
DSCI	3032	Artificial Intelligence Lab
		2 of 2 Concentration Courses
		1 of 4 Applied Courses
DSCI	4553	Senior Capstone One

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

**Agriculture Course (Choose 1)**

AEC 2713 Intro to Food and Resource Economics  
ABE 1863 Engineering Technology in Agriculture  
BCH 4013 Principles of Biochemistry  
PSS 1313 Plant Science  
ADS 1113 Animal Science

**Concentration Course List (Choose 2)**

EC 2113 Principles of Macroeconomics  
EC 3123 Intermediate Microeconomics  
AEC 2223 Introduction to Sustainability Economics  
AEC 3133 Introductory Agribusiness Management  
AEC 3233 Intro to Environmental Economics and Policy  
AEC 4123 Financial and Commodity Futures Marketing  
ABE 2173 Prin. of Agricultural and Off-Road Machines  
ABE 2543 Precision Agriculture I  
ABE 4543 Precision Agriculture II  
BCH 3102 Essential Biochemical Concepts and Analysis  
BCH 4414 Protein Methods  
ADS 3013 Anatomy and Physiology  
ADS 3313 Introduction to Meat Science  
SBP 2012 Intro to Bioproducts Industries  
SBP 2123 Mat. & Processing of Structure Bioproducts  
WFA 4313 Fisheries Management  
WFA 4613 Landscape Ecology  
FO 2213 Forest Measurements  
FO 2443 Essentials of Biotechnology  
FO 4113 Forest Resource Economics  
FO 4123 Forest Ecology

**Forest Resources Course List (Choose 1)**

SBP 1103 Introduction to Sustainable Bioproducts  
WFA 3133 Applied Ecology  
FO 4123 Forest Ecology

**Applied Course List (Choose 4)**

AEC 4133 Analysis of Food Markets and Prices  
AEC 4223 Applied Quantitative Analysis in Ag Economics  
AEC 4363 Economics of Precision Agriculture  
AEC 4413 Public Problems of Agriculture  
AEC 4733 Econometric Analysis in Agricultural Economics  
ABE 2873 Land Surveying  
ABE 3513 The GPS and GIS in Ag and Engineering  
ABE 4163 Machine Management Agro-Ecosystems  
ABE 4263 Soil and Water Management  
ABE 4463 Introduction to Imaging in Biological Systems  
ABE 4483 Introduction to Remote Sensing Technologies  
BCH 4803 Integrative Protein Evolution  
PSS 4483 Introduction to Remote Sensing Technologies  
ADS 4523 Internet Based Mgmt in Livestock Industries  
SBP 4013 Wood Anatomy  
SBP 4253 Quantitative Methods in SBP  
WFA 4123 Wildlife and Fisheries Biometrics  
WFA 4243 Wildlife Techniques  
WFA 4253 App of Spatial Tech to Wildlife Fisheries Mgmt  
FO 3015 Forest Description and Analysis  
FO 4213 Forest Biometrics  
FO 4313 Spatial Tech in Natural Resources Management  
FO 4453 Remote Sensing Applications  
FO 4473 GIS for Natural Resource Management