

Students must choose any minor that is not AI or Machine Learning focused.

**Sample Schedule:** students are not limited to this plan; it is meant to serve as a guide for planning purposes in discussions with your academic advisor. This plan is one possible path to completing this degree in *four years*.

### FIRST YEAR

#### First Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 105 Intro to Computers		3	
CSC 150 Computer Science I		3	
ENGL 101		3	
MATH 114 College Algebra		3	
CMST 101, 251, 222		3	
	<b>Total Credit Hours</b>	<b>15</b>	

#### Second Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 250 Computer Science II	CSC 150	3	
MATH 120 Trigonometry	MATH 114	3	
MATH 201 Intro to Discrete Math	MATH 114	3	
PHIL 200 Intro to Logic		3	Spring
Arts and Humanities		3	
	<b>Total Credit Hours</b>	<b>15</b>	

### SECOND YEAR

#### Third Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 247 Intro to AI		3	
CSC 300 Data Structures	CSC 250	3	
MATH 281 Intro to Statistics	CSC 114	3	
MATH 123 Calc I	MATH 120	4	
CIS 372 Programming for Analytics	CS 150	3	Fall
	<b>Total Credit Hours</b>	<b>16</b>	

#### Fourth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 260 Object Oriented Programming	CSC 250	3	
ENGL 201	ENGL 101	3	
MATH 315 Linear Algebra	MATH 123, MATH 201	3	Spring
CIS 368 Predictive Analytics	CIS 372, MATH 281	3	Spring
Natural Science		3	
	<b>Total Credit Hours</b>	<b>15</b>	

## THIRD YEAR

### Fifth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 402 Mathematical Foundations of AI	MATH 123, MATH 281	3	Fall
CSC 447 Artificial Intelligence	CSC 250	3	Fall
PSYC 101 Intro to Psychology		3	
Natural Science		3	
Credits towards Minor		3	
<b>Total Credit Hours</b>		<b>15</b>	

### Sixth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 386 Machine Learning Fundamentals	CSC 250	3	Spring
SOC 285 Society and Technology		3	Spring, Honors in Fall
MATH 316 Discrete Mathematics	MATH 123, MATH 201	3	
Credits towards Minor		3	
Credits towards Minor		3	
<b>Total Credit Hours</b>		<b>15</b>	

## FOURTH YEAR

### Seventh Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 410 Parallel Computing	CSC 300	3	Fall
CSC 478 Generative Deep Learning	CSC 386	3	Fall
CSC 482 Algorithms and Optimization	CSC 300, CSC 260, MATH 316	3	Fall
Credits towards Minor		3	
Elective		3	
<b>Total Credit Hours</b>		<b>15</b>	

### Eighth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 479 Reinforcement Learning	CSC 386	3	Spring
CSC 460 Scientific Visualization	CSC 300	3	Spring
Credits towards Minor		3	
Credits towards Minor		3	
Elective		2	
<b>Total Credit Hours</b>		<b>14</b>	

***Information and course schedules may change. This is not a contract.***

***Unless otherwise noted, courses are generally offered most semesters.***