

Sample Schedule: Bachelor of Science in Data Science and Artificial Intelligence (Computer Information Science)

First Year					
Fall			Spring		
Number	Title	Hours	Number	Title	Hours
EN101	Introductory College Writing (SGE) ^{010, a}	3	CN XXX	Communications (SGE) ^{020, a}	5
CM 1/2XX	Lower-division Computer Science Elective	3	CM231	Computer Organization/Assembler Language ^a	3
WU101	The Washburn Experience	3	-----	Social and Behavioral Sciences (SGE) ⁰⁵⁰	3
MA 140	Statistics (SGE) ^{030, a}	3	PH220	Symbolic Logic ^{a, d}	3
CM 111	Introduction to Structured Programming ^a	4	CM245	Contemporary Programming Methods ^a	3
Total Hours		16	Total Hours		17

Second Year					
Fall			Spring		
Number	Title	Hours	Number	Title	Hours
-----	Inclusion & Belonging (SGE) ⁰⁷⁰	3	CM 1/2XX	Lower-division Computer Science Elective ^a	3
MA 151	Calculus & Analytic Geometry (SGE) ^{030, a}	3	MA 206	Discrete Mathematics for Computing ^a	3
EC 200 or EC 201	Principles of Microeconomics ^{a, d} Principles of Microeconomics ^{a, d}	3	EN 200	Intermediate College Writing (SGE) ^{010, a}	3
CM 261	Networked Systems ^{a, b}	3	-----	Natural and Physical Sciences (SGE) ⁰⁴⁰	4-5
			PH 329	AI Ethics ^a	3
Total Hours		12	Total Hours		16-17

Third Year					
Fall			Spring		
Number	Title	Hours	Number	Title	Hours
CM 307	Data Structures & Algorithmic Analysis ^a	3	CM 334	Applied Computational Modeling ^{a, c}	3
CM 322	Operating Systems ^{a, b}	3	CN 340/ CN 341/ CN 342	Interviewing or Persuasive Speaking or Communication – Teams and Groups (SGE) ^{060, a, d}	3
EN 3XX	Upper-Division College Writing	3	CM 336	Database Management Systems ^{a, c}	3
CM 3XX	CM Upper-Division Elective ^a	3	BU 342 / BU 346	Organization & Management ^a or Organizational Behavior ^a	3
MA 3XX	MA301 ^a / 307 ^a / 340 ^a / 341 ^a / 342 ^a / 344 ^a / 346 ^a / 348 ^a	3	MA3XX	MA301 ^a / 307 ^a / 340 ^a / 341 ^a / 342 ^a / 344 ^a / 346 ^a / 348 ^a	3
Total Hours		15	Total Hours		15

Fourth Year					
Fall			Spring		
Number	Title	Hours	Number	Title	Hours
CM 333	Software Engineering ^{a, b}	3	CM 331	Artificial Intelligence ^{a, c}	3
CM 332	Machine Learning ^a	3	CM 465	CIS Capstone Project	3
CM 3XX	Upper-Division Elective ^a	3	XXX	Elective	3
-----	NSD Course for BS Concentration ^a	3	-----	NSD Course for BS Concentration ^a	3
MA 3XX	MA301 ^a / 307 ^a / 340 ^a / 341 ^a / 342 ^a / 344 ^a / 346 ^a / 348 ^a	3	XXX	Elective	3
Total Hours		15	Total Hours		15

^a Grade of “C” or higher is required

^b Offered in Fall semester only

^c Offered in Spring semester only

^d Course can also fulfill a general education requirement; discuss with advisor

Systemwide General Education (SGE) Key

010 English

020 Communications

030 Math & Statistics

040 Natural & Physical Sciences

050 Social & Behavioral Sciences

060 Arts & Humanities

070 Institutionally Designated