AIML (Artificial Intelligence and Machine Learning)
ADVISEMENT PROFILE (Fall 2023)

Name: _____ Student ID: _____

Expected Graduation Date: _____ Total Credit Hours (**excluding prerequisite courses**) **120**

Course	**Credit**	**Semester**	**Grade**
Prerequisite Courses			
MAT 105 – Intermediate Algebra	3		
CSC 100 – Problem Solving	3		
MAT 117 – Pre-Calculus I	3		
MAT 118 – Pre-Calculus II	3		
Freshman FALL			
MAT 151 –Calculus 1 (*)	3		
CSC 151 – Computer Programming I (**)	4		
ENG 101 – Written Communication I	3		
HIS 106 – World Civil II	3		
UNI 101 – The Individual and Life	1		
	14		
Freshman SPRING			
MAT 152 - Calculus II	4		
CSC 152 – Computer Programming II	3		
ENG 102 – Written Communication II	3		
CSC 120 – Computer Science	3		
COM 103 – Oral Communication	3		
	16		
Sophomore FALL			
CSC 204 – Comp Arch, Sys & Org 1	3		
CSC 251 – Data Structure I	3		
CSC 215 – Discrete Structure	3		
PSY 203 - Into to Psychology	3		
HUM 201 – Humanity I	3		
HEA 200 - Health Education or 2 PE	2		
	17		
Sophomore SPRING			
CSC 205 – Comp Arch, Sys & Org II	3		
CSC 252 – Data Structure II	3		
CSC 330 - Into to AI and ML Foundation	3		
BIO 103 - General Biology	4		
SOC 205 - Sociology	4		
	17		

(*) MAT 151 Any student not qualifying for MAT 151 (Calculus I) must start at the appropriate level of mathematics – MAT 118 (Pre-Calculus II) or MAT 117 (Pre-Calculus I) or MAT 105 (College Algebra)

(**) **CSC 151** You need to be in at least MAT 117 or higher to take CSC 151.

Course	Credit	Semester	Grade
Junior FALL			
MAT 305 – Probability & Statistics 3	3		
CSC 301 – Operating System I	3		
CSC 382 – Intro to IA/Cyber Security.	3		
CSC 430 - Artificial Intelligence	3		
PHY 203/215 Intro Physics 1 w/Cal I	4		
	16		
Junior SPRING			
MAT 208 – Elem. Linear Algebra	3		
CSC 308 – Organization & Prog, Language	3		
CSC 570 – Database Management	3		
CSC 433 – Machine Learning	3		
PHY 204/216 – Into to Physics II w/Cal II	4		
	16		
Senior FALL			
CSC 404 – Software Design & Dev I	3		
CSC 425 – Senior Seminar	3		
CSC 434 – Data Science and Data Mining	3		
CSC 571 – Data Communications	3		
	12		
Senior SPRING			
CSC 405 – Software Design & Dev II	3		
AI-CSC Advance Elective (1)	3		
AI-CSC Advance Elective (2)	3		
AI-CSC Advance Elective (3)	3		
	12		

AI-CSC Advance Electives – approved courses from CSC 300-500, except CSC 300, 323, 325, 391, 410, 411, 421, 425, 491, and any advanced programming language courses. Must have AI/ML topics