



Georgia Tech College of Computing

Degree Worksheet MSCS

Area of Specialization: Artificial Intelligence

Artificial Intelligence Specialization = 15 hours of core + required electives
15 hours of "free" electives
30 Hours Total for Degree

Must earn grades of "B" or higher in all courses that count in Area of Specialization. Must earn a minimum 3.0 overall GPA to graduate. Only letter grade coursework will count.

SECTION 1 - Demographics

Name: _____ GT ID# (example: 90XXXXXX): _____

Graduation Semester (example: Spring 2024): _____ Date: _____

SECTION 2 – Artificial Intelligence Core (9 hours)

Take one (1) course from:
Algorithms and Design

Mark (X)	Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade
	CS 6300	Software Development Process			
	CS 6301	Advanced Topics in Software Engineering			
	CS 6505	Computability, Complexity, and Algorithms			
	CS 6515	Introduction to Graduate Algorithms (formerly CS 8803 GA Graduate Algorithms)			
	CSE 6140	Computational Science and Engineering Algorithms			

And, two (2) courses from:

Mark (X)	Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade
	CS 6601	Artificial Intelligence			
	CS 7637	Knowledge-Based AI			
	CS 7641	Machine Learning			

Transfer Credit / Substitutions

Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade

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SECTION 3 – Artificial Intelligence Required Electives (6 hours)**Pick two (2) courses from:****Interaction**

Mark (X)	Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade
	CS 6440	Introduction to Health Informatics			
	CS 6460	Educational Technology: Conceptual Foundations			
	CS 6465	Computational Journalism			
	CS 6471	Computational Social Science			
	CS 6603	AI, Ethics, and Society (<i>formerly CS 8803-O10</i>)			
	CS 6750	Human-Computer Interaction			

AI Methods

Mark (X)	Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade
	CS 6476	Computer Vision			
	CS 7631	Multi-Robot Systems			
	CS 7632	Game AI			
	CS 7633	Human-Robot Interaction			
	CS 7634	AI Storytelling in Virtual Worlds			
	CS 7643	Deep Learning			
	CS 7647	Machine Learning with Limited Supervision			
	CS 7650	Natural Language			
	CS 8803	Special Topics: Advanced Game AI			

Cognition

Mark (X)	Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade
	CS 6795	Introduction to Cognitive Science			
	CS 7610	Modeling and Design			
	CS 7651	Human and Machine Learning			
	CS 8803	Special Topics: Computational Creativity			

Transfer Credit / Substitutions

Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade

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SECTION 4 – “Free” Electives (15 hours) *“Free” Electives are any remaining letter grade courses not used above and within program rules.*

Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade

Transfer Credit / Substitutions

Prefix & No.	Course Title	Semester Taken	Credit Hours	Grade

This section to be completed by MSCS Advisor

Notes:

S-GPA: _____

C-GPA: _____

Advisor

Sign _____

Date _____