

[Save](#)[Print](#)**M.S. in Artificial Intelligence** (33 S.H. required to complete the degree)

Name: _____ Phone: _____

Address: _____ Banner ID: _____

E-mail: _____ Date: _____

**Mathematics Courses (9 Credit Hours)**

MAT 531 Multivariable Mathematics for Machine Learning	3	
MAT 532 Probability and Statistics for Machine Learning	3	
MAT 533 Analysis and Optimization	3	

Computer Science Courses (18 Credit Hours)

CS 510 Foundations of Artificial Intelligence	3	
CS 525 Neural Networks and Deep Learning	4	
CS 532 Autonomous Systems	3	
CS 533 Natural Language Processing	4	
CS 534 Reinforcement Learning	4	

Philosophy Course (3 Credit Hours)

PHI 527 Philosophy, Ethics, and Safety of Artificial Intelligence	3	
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Culmination (3 Credit Hours)

CS 5xz Approved Internship, Final Project, or Thesis	3	
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Transfer Credits

WCSU Course: Course/School:		
WCSU Course: Course/School:		

Pre-requisite foundational math courses		
MAT 141 Foundational Discrete Mathematics	3	
MAT 181 Calculus I	4	
MAT 182 Calculus II	4	
MAT 272 Linear Algebra	3	
MAT 222 Introduction to Statistics	3	

Additional pre-requisite math courses		
One of the following two courses is required		
MAT 207 Proofs	3	
MAT 304 Discrete Mathematics for Computer Science	1	

Pre-requisite foundational computer science courses		
CS 140 Introduction to Programming	4	
One of the following two sequences of courses		
CS 170 Language C++	4	
CS 221 Object Oriented Programming and Data Structures	4	
CS 315 Design and Analysis of Algorithms	4	
Or		
CS 172 Intermediate Java Programming	3	
CS 250 Introduction to Data Structures, Algorithms and Complexity	3	

Additional pre-requisite computer science courses		
CS 321 Artificial Intelligence	4	
One of the following three software engineering courses		
CS 305 Database Applications Engineering	4	
CS 350 Object Oriented Software Engineering	4	
CS 360 Distributed Applications Engineering	4	

NOTES:

Admission requirements have been explained to me, and I understand my obligations to read the graduate catalog.

Student Signature

Date

Coordinator Signature

Date