



# PATHWAYS



**YOUR MAP TO  
COMPLETION for  
2024-2025**

## Computer Science – Artificial Intelligence

Associate in Applied Science / Short-Term Certificate

Full Time	Course Prefix	Course Description	Credit Hours	Semesters Offered	Area
Semester 1	ORI 110	Freshman Seminar	1	Fa Sp Su	V
	CIS 134	IT Fundamentals	3	Fa Sp	V
	CIS 150	Introduction to Computer Logic and Programming	3	Fall	V
	CIS 149	Digital Literacy	3	Fa Sp	V
	ENG 101	English Composition I	3	Fa Sp Su	I
	MTH 100	Intermediate College Algebra	3	Fa Sp Su	III
Semester 2	CIS 211	Principles of Information Assurance	3	Fa Sp Su	V
	CIS 199	Network Communications	3	Fa Sp Su	V
	CIS 238	Cloud Computing: Infrastructure and Services	3	Spring	V
	ENG 102	English Composition II	3	Fa Sp Su	I
	*MTH 112	Precalculus Algebra	3	Fa Sp Su	III
Semester 3	CIS 146	Computer Applications	3	Fa Sp Su	V
	CIS 267	Enterprise Virtualization	3	Summer	V
	*IDS 102	Ethics	3	Fa Sp Su	II
	*PSY 200	General Psychology	3	Fa Sp Su	IV
Semester 4	CIS 248	Introduction to IOT (Internet of Things)	3	Fall	V
	CIS 251	C++ Programming	3	Fa Sp	V
	CIS 294	Special Topics	3	Fa Sp Su	V
	CIS 222	Database Management Systems	3	Fall	V
Semester 5	CIS 205	Control Language and Utilities Applications	3	Spring	V
	CIS 202	Python Programming	3	Sp Su	V
	CIS 171	Linux I	3	Sp Su	V
	CIS 281	System Analysis and Design	3	Fa Sp	V
Artificial Intelligence AAS TOTAL HOURS 67					
AI Programming Short-Term Certificate TOTAL HOURS 12					
Information Technology Short-Term Certificate TOTAL HOURS 12					
Cloud Computing Short-Term Certificate TOTAL HOURS 9					

\* May be substituted per Advisor's approval

**WALLACE STATE**  
HANCEVILLE • ONEONTA