



# PATHWAYS



**YOUR MAP TO  
COMPLETION for  
2025-2026**

## Computer Science - Data Analytics

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 149	Digital Literacy	3	Fa Sp	V
	CIS 199	Network Communications	3	Fa Sp Su	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 235	Data Analytics	3	Spring	V
	CIS 150	Introduction to Computer Logic and Programming	3	Fa Sp	V
	SPH 106	Introduction to Oral Communication	3	Fa Sp Su	V
Semester 3	CIS 146	Computer Applications	3	Fa Sp Su	V
	MTH 265*	Elementary Statistics	3	Fa Sp Su	III
	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
	BUS 271	Business Statistics I	3	Fa Sp Su	V
	ECO 231*	Principles of Macroeconomics	3	Fa Sp Su	IV
	CIS 222	Database Management Systems	3	Fall	V
Semester 5	CIS 294	Special Topics	3	Fa Sp	V
	CIS 202	Python Programming	3	Sp Su	V
	BUS 272	Business Statistics II	3	Fa Sp Su	V
	CIS 281	System Analysis and Design	3	Fa Sp	V
Data Analytics AAS TOTAL HOURS 64					
Information Technology Short-Term Certificate TOTAL HOURS 12					
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\*May be substituted per Advisor's approval

**WALLACE STATE**  
HANCEVILLE • ONEONTA