



PATHWAYS



**YOUR MAP TO
COMPLETION for
2026-2027**

Computer Science - Programming

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
	MTH 100*	Intermediate College Algebra	3	Fa Sp Su	III
	CIS 134	IT Fundamentals	3	Fa Sp	V
	CIS 149	Digital Literacy	3	Fa Sp	V
	CIS 150	Introduction to Computer Logic and Programming	3	Fa	V
Semester 2	ENG 101	English Composition I	3	Fa Sp Su	I
	MTH 265*	Elementary Statistics	3	Fa Sp Su	III
	CIS 199	Network Communications	3	Fa Sp Su	V
	CIS 211	Principles of Information Assurance	3	Fa Sp Su	V
	CIS 251	C++ Programming	3	Fa Sp	V
Semester 3	CIS 146	Computer Applications	3	Fa Sp Su	V
	CIS 171	Linux I	3	Sp Su	V
	CIS 202	Python Programming	3	Sp Su	V
	CIS 212	Visual Basic Programming	3	Su	V
Semester 4	CIS 222	Database Management Systems	3	Fa	V
	CIS 255	Java Programming	3	Fa	V
	CIS 263	Computer Maintenance	3	Fa Sp	V
	SPH 106	Fundamentals of Oral Communication	3	Fa Sp Su	V
Semester 5	IDS 102*	Ethics	3	Fa Sp Su	II
	PSY 200*	General Psychology	3	Fa Sp Su	IV
	CIS 235	Data Analytics	3	Sp	V
	CIS 281	System Analysis and Design	3	Fa Sp	V
Programming AAS TOTAL HOURS 64					
Information Technology Short-Term Certificate TOTAL HOURS 12					
Programming Short-Term Certificate TOTAL HOURS 12					

* May be substituted per Computer Science Instructor's approval

WALLACE STATE
HANCEVILLE • ONEONTA