



# PATHWAYS



YOUR MAP TO  
COMPLETION for  
**2022-2023**

## Computer Science – Systems Engineering Technology (SET) 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	Required V
	CIS 134	IT Fundamentals	3	Fa Sp	Required V
	CIS 150	Introduction to Computer Logic and Programming	3	Fa Sp	Required V
	CIS 222	Database Management Systems	3	Fall	Required V
	ENG 101	English Composition I	3	Fa Sp Su	Required I
	SYS 101	Introduction to Systems Engineering	3	Fall	Required V
	Semester 2	CIS 199	Network Communications	3	Fa Sp Su
CIS 251		C++ Programming	3	Fa Sp	Required V
MTH 100		Intermediate College Algebra	3	Fa Sp Su	Required III
SYS 221		Database Management for Systems Engineering	3	Spring	Required V
Semester 3	CIS 202	Python Programming	3	Sp Su	Required V
	CIS 211	Principles of Information Assurance	3	Fa Sp Su	Required V
	BUS 271	Business Statistics I	3	Fa Sp Su	Required V
	SYS 231	Systems Modeling I	3	Summer	Required V
Semester 4	CIS 280	Network Security	3	Fall	Required V
	CIS 255	Java Programming	3	Fall	Required V
	MTH 112	Precalculus Algebra	3	Fa Sp Su	Required III
	SPH 106	Fundamentals of Oral Communication	3	Fa Sp Su	Required V
	SYS 232	Systems Modeling II	3	Fall	Required V
Semester 5	ECO 231	Principles of Macroeconomics	3	Fa Sp Su	Required IV
	*IDS 102	Ethics	3	Fa Sp Su	Required II
	SYS 233	Systems Modeling III	3	Spring	Required V
	SYS 241	Dynamic Data Visualization Applications	3	Spring	Required V
Computer Science- Systems Engineering Technology AAS TOTAL HOURS 67					
Computer Science Systems Engineering Short-Term Certificate TOTAL HOURS 18					
Computer Science Programming Short-Term Certificate TOTAL HOURS 12					

\*May be substituted per advisor's approval

For Assistance with Financial Aid: <http://www.wallacestate.edu/financial-aid>

For transfer information to a four-year school: <http://stars.troy.edu/>