



# PATHWAYS

Your Guide  
to Completion

## CIS - CYBER DEFENSE Associate of Applied Science Degree

	Course #	Course Name	Credit Hours
Semester 1	ORI 101/ ORI 105	College Orientation <b>OR</b> Orientation and Student Success	1-3
	ENG 101	English Composition I	3
	MTH 100	Intermediate College Algebra	3
	CIS 146	Microcomputer Applications	3
	CIS 150	Introduction To Computer Logic	3
			<b>Semester Total: 13-15</b>
Semester 2	CIS 134	IT Fundamentals	3
	CIS 171	Linux I	3
	Area III Elective	Math/Science Elective	3-4
	CIS 202	Python Programming	3
	CIS 268	Software Support	3
			<b>Semester Total: 15-16</b>
Semester 3	SPH 106/ SPH 107	Fundamentals of Oral Communication <b>OR</b> Fundamentals of Public Speaking	3
	Area IV Elective	History/Social/Behavioral Science Elective	3
	CIS 161	Introduction to Networking Communications	3
	CIS 245	Cyber Defense	3
			<b>Semester Total: 12</b>
Semester 4	CIS 113	Spreadsheet Software Applications	3
	CIS 207	Web Development	3
	CIS 280	Network Security	3
	CIS 282	Computer Forensics	3
		<b>ELIGIBLE FOR STACKABLE STC - Networking Essentials</b> <b>ELIGIBLE FOR STACKABLE STC - WEB Development</b>	<b>Semester Total: 12</b>
Semester 5	CIS 117	Database Management Software Applications	3
	CIS 182	Help Desk Applications	3

	CIS 246	Ethical Hacking	3
	CIS 269	Hardware Support	3
		ELIGIBLE FOR STACKABLE STC - Cyber Defense ELIGIBLE FOR STACKABLE STC - Software Applications ELIGIBLE FOR STACKABLE STC - Computer Technician	Semester Total: 12
		ELIGIBLE FOR AAS - Cyber Defense	Program Total: 64-67

**NOTE:** The Guided Pathway provided above includes all the necessary coursework for degree/certificate fulfillment. However, courses can be offered or taken in alternate semesters, provided prerequisites are fulfilled. Courses may be scheduled during daytime, evening, hybrid, or online sessions. For specific course requirements, consult the ALABAMA TRANSFERS GUIDE @ <https://alabamatransfers.com> or contact the transfer institution.