



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 OR 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
			Semester Total: 13-15
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
			Semester Total: 15-16
Semester 3	SPH 106/ SPH 107	Fundamentals of Oral Communication OR 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
			Semester Total: 12
Semester 4	CIS 113	Spreadsheet Software Applications	3
	CIS 207	Web Development	3
	CIS 280	Network Security	3
	CIS 282	Computer Forensics	3
		ELIGIBLE FOR STACKABLE STC - Networking Essentials ELIGIBLE FOR STACKABLE STC - WEB Development	Semester Total: 12
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.



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CIS - CYBER DEFENSE Short-Term Certificate			
	Course #	Course Name	Credit Hours
Semester 1	CIS 245	Cyber Defense	3
	CIS 246	Ethical Hacking	3
	CIS 282	Computer Forensics	3
			Semester Total: 9
		ELIGIBLE FOR STC - Cyber Defense	Program Total: 9

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CIS - GOOGLE IT SUPPORT PROFESSIONAL

Associate of Applied Science Degree

	Course #	Course Name	Credit Hours
Semester 1	ORI 101/ ORI 105	College Orientation OR 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
			Semester Total: 13-15
Semester 2	AREA III Elective	Science/Math Elective	3-4
	CIS 134	IT Fundamentals	3
	CIS 171	Linux I	3
	CIS 202	Python Programming	3
	CIS 268	Software Support	3
			Semester Total: 15-16
Semester 3	SPH 106/ SPH 107	Fundamentals of Oral Communication OR Fundamentals of Public Speaking	3
	CIS 120	Google IT Professional Support I—Technical Support Fundamentals	2
	CIS 121	Google IT Professional Support II—Computer Networking	2
	CIS 161	Introduction to Networking Communications	3
	CIS 245	Cyber Defense	3
			Semester Total: 13
Semester 4	CIS 113	Spreadsheet Software Applications	3
	CIS 122	Google IT Professional Support III—Operating Systems	2
	CIS 123	Google IT Professional Support IV—System Administration and IT Infrastructure	2
	CIS 207	Web Development	3
		ELIGIBLE FOR STACKABLE STC - WEB Development	Semester Total: 10
Semester 5	Area IV Elective	History/Social/Behavioral Science Elective	3
	CIS 117	Database Management Software Applications	3
	CIS 124	Google IT Professional Support V—IT Security	2
	CIS 182	Help Desk Applications	3
	CIS 269	Hardware Support	3
		ELIGIBLE FOR STACKABLE STC - Computer Technician ELIGIBLE FOR STACKABLE STC - Software Applications ELIGIBLE FOR STACKABLE STC - GOOGLE IT Support Professional	Semester Total: 14
		ELIGIBLE FOR AAS - GOOGLE IT Support Professional	Program Total: 65-68

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CIS - GOOGLE IT SUPPORT PROFESSIONAL Short-Term Certificate

	Course #	Course Name	Credit Hours
Semester 1	CIS 120	Google IT Professional Support I—Technical Support Fundamentals	3
	CIS 121	Google IT Professional Support II—Computer Networking	3
	CIS 122	Google IT Professional Support III—Operating Systems	3
	CIS 123	Google IT Professional Support IV—System Administration and IT Infrastructure	3
	CIS 124	Google IT Professional Support V—IT Security	3
			Semester Total: 15
		ELIGIBLE FOR STC - GOOGLE IT Support Professional	Program Total: 15

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Your Guide
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CIS - MOBILE APP DEVELOPMENT Associate of Applied Science Degree

	Course #	Course Name	Credit Hours
Semester 1	ORI101/ OR 105	College Orientation OR 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
			Semester Total: 13-15
Semester 2	AREA III Elective	Science/Math Elective	3-4
	CIS 134	IT Fundamentals	3
	CIS 171	Linux I	3
	CIS 202	Python Programming	3
	CIS 268	Software Support	3
			Semester Total: 15-16
Semester 3	SPH 106/ SPH 107	Fundamentals of Oral Communication OR Fundamentals of Public Speaking	3
	CIS 161	Introduction to Networking Communications	3
	CIS 245	Cyber Defense	3
	CIS 285	Object-Oriented Programming	3
			Semester Total: 12
Semester 4	Area IV Elective	History/Social/Behavioral Science Elective	3
	CIS 113	Spreadsheet Software Applications	3
	CIS 207	Web Development	3
	CIS 219	Android App Development	3
		ELIGIBLE FOR STACKABLE STC - WEB Development	Semester Total: 12
Semester 5	CIS 117	Database Management Software Applications	3
	CIS 182	Help Desk Applications	3
	CIS 259	Advanced Mobile App Development	3
	CIS 269	Hardware Support	3
		ELIGIBLE FOR STACKABLE STC - Software Applications ELIGIBLE FOR STACKABLE STC - Mobile App Development	Semester Total: 12
		ELIGIBLE FOR AAS - Mobile App Development	Program Total: 64-67

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CIS - MOBILE APP DEVELOPMENT Short-Term Certificate

	Course #	Course Name	Credit Hours
Semester 1	CIS 150	Introduction to Computer Logic and Programming	3
	CIS 219	Android App Development	3
	CIS 259	Advanced Mobile App Development	3
	CIS 285	Object-Oriented Programming	3
			Semester Total: 12
		ELIGIBLE FOR STC - Mobile App Development	Program Total: 12

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CIS - SOFTWARE APPLICATIONS Associate of Applied Science Degree

	Course #	Course Name	Credit Hours
Semester 1	ORI 101/ ORI 105	College Orientation OR 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
			Semester Total: 13-15
Semester 2	CIS 134	IT Fundamentals	3
	CIS 171	Linux I	3
	AREA III Elective	Science/Math Elective	3-4
	CIS 202	Python Programming	3
	CIS 268	Software Support	3
			Semester Total: 15-16
Semester 3	SPH 106/ SPH 107	Fundamentals of Oral Communication OR 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
			Semester Total: 12
Semester 4	CIS 113	Spreadsheet Software Applications	3
	CIS 207	Web Development	3
	CIS 251	C++ Programming	3
	CIS 212	Visual Basic Programming	3
		ELIGIBLE FOR STACKABLE STC - WEB Development	Semester Total: 12
Semester 5	CIS 117	Database Management Software Applications	3
	CIS 182	Help Desk Applications	3
	CIS 269	Hardware Support	3
	CIS 285	Object-Oriented Programming	3
		ELIGIBLE FOR STACKABLE STC - Software Applications ELIGIBLE FOR STACKABLE STC - Programming Essentials	Semester Total: 12
		ELIGIBLE FOR AAS - Software Applications	Program Total: 64-67

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CIS - SOFTWARE APPLICATIONS Short-Term Certificate

	Course #	Course Name	Credit Hours
Semester 1	CIS 113	Spreadsheet Software Applications	3
	CIS 117	Database Management Software Applications	3
	CIS 146	Computer Applications	3
			Semester Total: 9
		ELIGIBLE FOR STC - Software Applications	Program Total: 9

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COMPUTER TECHNICIAN Short-Term Certificate			
	Course #	Course Name	Credit Hours
Semester 1	CIS 182	Help Desk Applications	3
	CIS 268	Software Support	3
	CIS 269	Hardware Support	3
			Semester Total: 9
		ELIGIBLE FOR STC - Computer Technician	Program Total: 9

	Course #	Course Name	Credit Hours
Semester 1	CIS 182	Help Desk Applications	3
	CIS 268	Software Support	3
	CIS 269	Hardware Support	3
			Semester Total: 9
		ELIGIBLE FOR STC - Computer Technician	Program Total: 9

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CIS - NETWORKING ESSENTIALS Short-Term Certificate

	Course #	Course Name	Credit Hours
Semester 1	CIS 161	Introduction to Networking Communications	3
	CIS 171	Linux I	3
	CIS 280	Network Security	3
			Semester Total: 9
		ELIGIBLE FOR STC - Networking Essentials	Program Total: 9

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CIS - PROGRAMMING ESSENTIALS Short-Term Certificate

	Course #	Course Name	Credit Hours
Semester 1	CIS 150	Introduction to Computer Logic and Programming	3
	CIS 212	Visual Basic Programming	3
	CIS 285	Object-Oriented Programming	3
			Semester Total: 9
		ELIGIBLE FOR STC - Programming Essentials	Program Total: 9

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CIS - WEB DEVELOPMENT Short-Term Certificate			
	Course #	Course Name	Credit Hours
Semester 1	CIS 150	Introduction to Computer Logic and Programming	3
	CIS 202	Python Programming	3
	CIS 207	Web Development	3
			Semester Total: 9
		ELIGIBLE FOR STC - WEB Development	Program Total: 9

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