

CIS – COMPUTER TECHNICIAN

STC

Guided Pathway/Map

NOTE: The Guided Pathway below contains all the coursework required for a short-term certificate of completion. However, courses may be offered or taken in other semesters as long as prerequisites are met. Courses may be available days, nights, hybrid, and online.

CIS161	Introduction to Networking Communications	3
CIS182	Help Desk Applications	3
CIS268	Software Support	3
CIS269	Hardware Support	3
		Semester 1 Total: 12

CIS – CYBER DEFENSE CONCENTRATION

AAS

Guided Pathway/Map

NOTE: The Guided Pathway below contains all the coursework required for degree/certificate completion. However, courses may be offered or taken in other semesters as long as prerequisites are met. Courses may be available days, nights, hybrid, and online.

Semester 1		
ORI101/ OR105	College Orientation OR Orientation and Student Success	1-3
ENG101	English Composition I	3
MTH100	Intermediate College Algebra	3
CIS146	Microcomputer Applications	3
CIS150	Introduction To Computer Logic	3
Semester 2		Semester 1 Total: 13-15
CIS134	IT Fundamentals	3
CIS171	Linux I	3
Area III	Math/Science Elective	3-4
CIS202	Python Programming	3
CIS268	Software Support	3
Semester 3		Semester 2 Total: 15-16
SPH106/ SPH107	Fundamentals of Oral Communication OR Fundamentals of Public Speaking	3
Area IV Elective	History/Social/Behavioral Science Elective	3
CIS161	Introduction to Networking Communications	3
CIS245	Cyber Defense	3
Semester 4		Semester 3 Total: 12
CIS113	Spreadsheet Software Applications	3
CIS207	Web Development	3
CIS280	Network Security	3
CIS282	Computer Forensics	3

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Semester 5		Semester 4 Total: 12
CIS117	Database Management Software Applications	3
CIS182	Help Desk Applications	3
CIS246	Ethical Hacking	3
CIS269	Hardware Support	3
		Semester 5 Total: 12
		Program Total: 64-67

CIS – CYBER DEFENSE

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Guided Pathway/Map

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CIS245	Cyber Defense	3
CIS246	Ethical Hacking	3
CIS282	Computer Forensics	3
		Semester 1 Total: 9

CIS – GOOGLE IT SUPPORT PROFESSIONAL CONCENTRATION

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Guided Pathway/Map

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ORI101/ OR105	College Orientation OR Orientation and Student Success	1-3
ENG101	English Composition I	3
MTH100	Intermediate College Algebra	3
CIS146	Microcomputer Applications	3
CIS150	Introduction To Computer Logic	3
		Semester 1 Total: 13-15
AREA III	Science/Math Elective	3-4
CIS134	IT Fundamentals	3
CIS171	Linux I	3
CIS202	Python Programming	3
CIS268	Software Support	3
		Semester 2 Total: 15-16
SPH106/ SPH107	Fundamentals of Oral Communication OR Fundamentals of Public Speaking	3
CIS120	Google IT Professional Support I—Technical Support Fundamentals	2
CIS121	Google IT Professional Support II—Computer Networking	2
CIS161	Introduction to Networking Communications	3
CIS245	Cyber Defense	3
		Semester 3 Total: 13
CIS113	Spreadsheet Software Applications	3
CIS122	Google IT Professional Support III—Operating Systems	2
CIS123	Google IT Professional Support IV—System Administration and IT Infrastructure	2
CIS207	Web Development	3
		Semester 4 Total: 10

CIS – GOOGLE IT SUPPORT PROFESSIONAL CONCENTRATION

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Area IV Elective	History/Social/Behavioral Science Elective	3
CIS117	Database Management Software Applications	3
CIS124	Google IT Professional Support V—IT Security	2
CIS182	Help Desk Applications	3
CIS269	Hardware Support	3
		Semester 5 Total: 14
		Program Total: 65-68

CIS – GOOGLE IT SUPPORT PROFESSIONAL

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Guided Pathway/Map

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CIS120	Google IT Professional Support I—Technical Support Fundamentals	2
CIS121	Google IT Professional Support II—Computer Networking	2
CIS122	Google IT Professional Support III—Operating Systems	2
CIS123	Google IT Professional Support IV—System Administration and IT Infrastructure	2
CIS124	Google IT Professional Support V—IT Security	2
		Semester 1 Total: 10

CIS – MOBILE APP DEVELOPMENT CONCENTRATION

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Guided Pathway/Map

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ORI101/ OR105	College Orientation OR Orientation and Student Success	1-3
ENG101	English Composition I	3
MTH100	Intermediate College Algebra	3
CIS146	Microcomputer Applications	3
CIS150	Introduction To Computer Logic	3
		Semester 1 Total: 13-15
AREA III	Science/Math Elective	3-4
CIS134	IT Fundamentals	3
CIS171	Linux I	3
CIS202	Python Programming	3
CIS268	Software Support	3
		Semester 2 Total: 15-16
SPH106/ SPH107	Fundamentals of Oral Communication OR Fundamentals of Public Speaking	3
CIS155	Introduction to Mobile App Development	3
CIS161	Introduction to Networking Communications	3
CIS245	Cyber Defense	3
		Semester 3 Total: 12
Area IV Elective	History/Social/Behavioral Science Elective	3
CIS113	Spreadsheet Software Applications	3
CIS207	Web Development	3
CIS219	Android App Development	3
		Semester 4 Total: 12
CIS117	Database Management Software Applications	3
CIS182	Help Desk Applications	3

CIS – MOBILE APP DEVELOPMENT CONCENTRATION

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CIS269	Hardware Support	3
CIS285	Object-Oriented Programming	3
		Semester 5 Total: 12
		Program Total: 64-67

CIS – MOBILE APP DEVELOPMENT

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Guided Pathway/Map

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CIS155	Introduction to Mobile App Development	3
CIS219	Android App Development	3
CIS285	Object-Oriented Programming	3
		Semester 1 Total: 9

CIS – NETWORK ESSENTIALS

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Guided Pathway/Map

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CIS161	Introduction to Network Communications	3
CIS171	Linux I	3
CIS280	Network Security	3
		Semester 1 Total: 9

CIS – PROGRAMMING ESSENTIALS

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Guided Pathway/Map

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CIS150	Introduction to Computer Logic and Programming	3
CIS202	Python Programming	3
CIS285	Object-Oriented Programming	3
		Semester 1 Total: 9

CIS – SOFTWARE DEVELOPMENT CONCENTRATION

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Guided Pathway/Map

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ORI101/ OR105	College Orientation OR Orientation and Student Success	1-3
ENG101	English Composition I	3
MTH100	Intermediate College Algebra	3
CIS146	Microcomputer Applications	3
CIS150	Introduction To Computer Logic	3
		Semester 1 Total: 13-15
CIS134	IT Fundamentals	3
CIS171	Linux I	3
AREA III	Science/Math Elective	3-4
CIS202	Python Programming	3
CIS268	Software Support	3
		Semester 2 Total: 15-16
SPH106/ SPH107	Fundamentals of Oral Communication OR Fundamentals of Public Speaking	3
Area IV Elective	History/Social/Behavioral Science Elective	3
CIS161	Introduction to Networking Communications	3
CIS245	Cyber Defense	3
		Semester 3 Total: 12
CIS113	Spreadsheet Software Applications	3
CIS207	Web Development	3
CIS251	C++ Programming	3
CIS212	Visual Basic Programming	3
		Semester 4 Total: 12

CIS – SOFTWARE DEVELOPMENT CONCENTRATION

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CIS117	Database Management Software Applications	3
CIS182	Help Desk Applications	3
CIS269	Hardware Support	3
CIS285	Object-Oriented Programming	3
		Semester 5 Total: 12
		Program Total: 64-67

CIS – SOFTWARE APPLICATIONS

STC

Guided Pathway/Map

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CIS113	Spreadsheet Software Applications	3
CIS117	Database Management Software Applications	3
CIS146	Microcomputer Applications	3
		Semester 1 Total: 9

CIS – WEB DEVELOPMENT ESSENTIALS

STC

Guided Pathway/Map

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CIS150	Introduction to Computer Logic and Programming	3
CIS202	Python Programming	3
CIS207	Web Development	3
		Semester 1 Total: 9