

# Bachelor of Applied Science

# Information Systems Technology

120 Total Credit Hours

## 2025 – 2026 Program Planning Worksheet

**NOTICE TO STUDENTS:** This document is not to be considered an official program of study, rather a worksheet for preliminary planning purposes. *Many courses are not offered every term.* Many courses have minimum grade and/or prerequisite requirements as outlined in the college catalog. Students should work with a Student Success Coordinator/Advisor in the School of Business and Technology.

Student Name:

Student ID Number: @

### DEGREE REQUIREMENTS for Programming *or* Networking Concentration

General Education Requirements*	Credit Hours	Met ✓	Baccalaureate Core Program Requirements	Credits Hours	Prerequisite(s)	Offered every term?	Offered online?	Met ✓		
<b>Communications (6 credit hours) *</b>			CIS 4523 - Managing IT Projects	3	MAN 2021	Fall	Yes			
ENC 1101 Composition I	3		CTS 4408 - Database Administration	3	CGS 1100	Fall	Yes			
ENC 1102 Composition II <b>OR</b> ENC 2210 Technical Writing	3		ISM 3004 - Information Resources Management for Business	3		Yes	Yes			
<b>Humanities (6 credit hours) *</b>			ISM 3113 - Systems Analysis and Design	3		Spring	Yes			
General Education <b>Core</b> Humanities	3		ISM 4153 - Enterprise Information Systems	3		Fall	Yes			
General Education Humanities	3		ISM 4323 - Information Security Policy Administration	3	MAN 2021	Spring	Yes			
<b>General Education Flex (6 credits) *</b>			MAN 4701 - Business Ethics and Society	3		Yes	Yes			
General Education Flex	6		CIS 4891 - Senior Capstone Project	3	See Advisor	Spring	Yes			
<b>Social Sciences (6 credit hours) *</b>			<b>Total Core Program Requirements</b>							
			24 Credit Hours							
General Education <b>Core</b> Social Sciences (Civic Literacy: AMH 2010 or AMH 2020 or POS 2041)	3		<b>Select <u>One</u> of the following Concentrations</b> (in alignment with the track selected <i>Programming or Networking</i> ):							
General Education Social Sciences	3		<b>Programming Concentration</b>		18 Credit Hours					
Civic Literacy Test ( <a href="#">Rule 6A-10.02413</a> )	See Advisor		COP 3505 - Intermediate Computer Programming		3	COP 2362	Fall	Yes		
<b>Mathematics (6 credit hours) *</b>			COP 3804 - Intermediate Java Programming		3	COP 2800	Fall	Yes		
General Education <b>Core</b> Mathematics	3		CEN 4330 - Advanced Database Development		3	COP 2700	Spring	Yes		
General Education Mathematics	3		COP 3655 - Application Development for Mobile Devices		3	COP 2362	Spring	Yes		
<b>Natural Sciences (6 credit hours) *</b>			COP 4807 - Web Application Programming		3	COP 2362	Fall	Yes		
General Education <b>Core</b> Natural Sciences with Laboratory	varies		COP 3538 - Data Structures for IT		3	COP 2800 <i>or</i> COP 2360	Spring	Yes		
General Education Natural Sciences	3		<b>Networking Concentration</b>		18 Credit Hours					
<b>Total General Education Credit Hours</b>			<b>36</b>		CET 4505 - Computer Operating Systems		3	CNT 1000	Fall	Yes
Foreign Language Requirement***	Varies		CNT 3504 - Computer Networks and Distributed Processing		3	CNT 1000	Fall	Yes		
General Education Writing Intensive	See Advisor		CIS 3360 - Principles of Security		3	CTS 2120	Spring	Yes		
All students must complete <b>Part A</b> (Common Lower Division Requirements 12 credit hours) and then select <i>one</i> of the two tracks from <b>Part B</b> (Programming <i>or</i> Networking Concentrations), and complete additional specified electives from <b>Part C</b> for a total of 42 credit hours. <i>Part A, B, and C listed below.</i>			CIS 3361 – Information Technology Security Management		3	CIS 3360	Fall	Yes		
			CNT 4514 - Wireless Networks and Portable Devices		3	CNT 1000 & CNT 1512	Spring	Yes		
			CNT 4524 - Mobile Security		3	CNT 1000 & CNT 1512	Spring	Yes		
			<b>BAS-Information Systems Technology Total Degree Requirements</b>		<b>120 Credit Hours</b>					
<b>Part A</b>		<b>Part B</b>						<b>Part C</b>		
<b>Common Lower Division Requirements</b> (12 Credit Hours)		<b>Programming Concentration</b> Lower Division Requirements (21 Credit Hours):				<b>Networking Concentration</b> Lower Division Requirements (15 Credit Hours):				<b>Any 1000-4000 level prefix course:</b> (9 to 15 credit hours)
CTS 1131 - Computer Hardware 3 credit hours		COP 1000 - Intro. to Computer Programming 3 credit hours				CNT 1000 - Computer Networking Essentials 3 credit hours				CIS, CNT, CEN, CET, COP, CGS, CTS, MAN, ISM  <b>Programming: 9</b> <b>Networking: 15</b>
CTS 1133 - Computer Software 3 credit hours		COP 1822 - Internet Programming HTML 3 credit hours				CNT 1512 - Wireless Network Administration 3 credit hours				
CGS 1100 - Computer Applications for Business <sup>1</sup> 3 credit hours		COP 2700 - Database Programming 3 credit hours				CTS 2120 - Computer and Network Security 3 credit hours				
MAN 2021 - Management Principles 3 credit hours		COP 2800 - Java Programming 3 credit hours				CIS 2321 - Systems Analysis and Design 3 credit hours				
		COP 2830 - Internet Programming HTML II 3 credit hours				CTS 2142 - Introduction to Project Management 3 credit hours				
		COP 2360 - C# Programming I 3 credit hours				<i>or</i> MAN 2582 - Principles of Project Management 3 credit hours				
		COP 2362 - C# Programming II 3 credit hours				Networking requires 15 credit hours from Part C				
		Programming requires 9 credit hours from Part C								

Florida SouthWestern State College, an equal access institution, prohibits discrimination in its employment, programs and activities based on race, sex, gender identity, age, color, religion, national origin, ethnicity, disability, pregnancy, sexual orientation, marital status, genetic information or veteran's status. The College is an equal access/equal opportunity institution. Questions pertaining to educational equity, equal access, or equal opportunity should be addressed to Title IX Coordinator/Equity Officer, 8099 College Parkway, Fort Myers, Florida 33919, equity@fsw.edu, 239.489.9051 or to the Assistant Secretary for Civil Rights, United States Department of Education.

May 30, 2023