

# Bachelor of Applied Science Information Systems Technology

120 Total Credit Hours

## 2023 – 2024 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 (9 credit hours) *</b>			ISM 3004 - Information Resources Management for Business	3		Yes	Yes	
ENC 1101 Composition I	3		ISM 3113 - Systems Analysis and Design	3		Spring	Yes	
ENC 1102 Composition II	3		MAN 4701 - Business Ethics and Society	3		Yes	Yes	
SPC 1017 <i>or</i> SPC 2608	3		ISM 4323 - Information Security Policy Administration	3	MAN 2021	Spring	Yes	
<b>Humanities (6 credit hours) *</b>			CIS 4523 - Managing IT Projects	3	MAN 2021	Fall	Yes	
General Education Core Humanities	3		CTS 4408 - Database Administration	3	CGS 1100	Fall	Yes	
General Education Humanities	3		ISM 4153 - Enterprise Information Systems	3	ENC 1102 & Core Math	Fall	Yes	
<b>Social Sciences (9 credit hours) *</b>			CIS 4891 - Senior Capstone Project	3	See Advisor	Spring	Yes	
General Education Core Social Sciences (Civic Literacy: AMH 2020 or POS 2041)	3		<b>Total Core Program Requirements</b>	24 Credit Hours				
General Education Social Sciences	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-10.0213</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 Core 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 Core 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 <b>one</b> 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 4514	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 (12 Credit Hours)</b>	<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	CNT 1512 - Wireless Network Administration	3 credit hours	CIS, CNT, CEN, CET, COP, CGS, CTS, MAN, ISM	
CTS 1133 - Computer Software 3 credit hours	COP 1822 - Internet Programming HTML	3 credit hours	CNT 2120 - Computer and Network Security (Security+)	3 credit hours	CTS 2120 - Systems Analysis and Design	3 credit hours		
CGS 1100 - Computer Applications for Business <sup>1</sup> 3 credit hours	COP 2700 - Database Programming	3 credit hours	CIS 2321 - Systems Analysis and Design	3 credit hours	CTS 2142 - Introduction to Project Management	3 credit hours		
MAN 2021 - Management Principles 3 credit hours	COP 2800 - Java Programming	3 credit hours	<i>or</i>	MAN 2582 - Principles of Project Management	3 credit hours			
	COP 2830 - Internet Programming HTML II	3 credit hours		Networking requires <b>15</b> credit hours from Part C				
	COP 2360 - C# Programming I	3 credit hours						
	COP 2362 - C# Programming II	3 credit hours						
	Programming requires <b>9</b> credit hours from Part C						<b>Programming: 9</b> <b>Networking: 15</b>	

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