

# Undergraduate Academic Program Degree Map Attachment

Degree Program: Bachelor of Science, Information Technology- AY 2021-2022

## Note:

- Course categories:  
**Major required**  
*General Education*  
*Support (math&sci)*  
**Required Minor**  
*Free Elective*

## First Year

Semester I - Fall	Course Number	Pre-req	Course	Credits
	ITE 100 Fundamentals of Information Systems and Technology		major	3
	ITE 105 Problem Solving with Algorithms		major	3
	MAT 150 Precalculus §	basic math skills	free elective	3
	Writing I (W-I) gen ed Ω		gen ed	3
	First Year Seminar(FYS) Ω ▲		gen ed	3

Semester credits: 15

Semester II - Spring	Course Number	Pre-req	Course	Credits
	ITE 200 Computer Hardware and Software	ITE 100	major	3
	ITE 230 Web Systems	ITE100, ITE 105	major	4
	Oral Communication (OC) gen ed, or ITE 100 if not taken first semester Ω		gen ed	3
	gen ed (preferably SR) Ω ▲		gen ed	4
	MAT 220 Calculus I	MAT 150 or basic math skills	support	4

Semester credits: 18

Total First Year: 33

Cumulative Credits: 33

## Second Year

Semester III - Fall	Course Number	Pre-req	Course category	Credit
	ITE 215 Computer Networks	ITE 105, ITE 100	major	4
	ITE 320 Information Management Systems	ITE 230	major	4
	Required Minor Course1 (chosen Minor from list specified on flowsheet) ▲		minor	3
	gen ed (SR if not taken freshman year) Ω		gen ed	3

Semester credits: 14

Semester IV - Spring	Course Number	Pre-req	Course category	Cred
	ITE 210 Introduction to Programming	ITE 105, ITE 100	major	4
	ITE 315 Network Security	ITE 215	major	4
	gen ed (SR if not taken freshman year) Ω		gen ed	3
	MAT 214 A Discrete Structures	MAT 220 or MAT 221	support	3
	gen ed (SR if not taken freshman year) Ω		gen ed	3

Semester credits: 17

Total Second Year: 31

Cumulative Credits: 64

## Third Year

Semester V - Fall	Course Number	Pre-req	Course category	Credit
	ITE 340 Human Computer Interaction	ITE 230	major	3
	ITE 350 IT System Integration, Administration, and Management	ITE 315, ITE 320	major	4
	gen ed Ω		gen ed	3
	Required Minor Course2 (chosen Minor from list specified on flowsheet)			4

Semester credits: 14

Semester VI - Spring	Course Number	Pre-req	Course category	Credits
	<b>Required Minor Course3</b>		<b>minor</b>	<b>3</b>
	free elective	variable	free elective	4
	gen ed <a href="#">u</a>		gen ed	3
	<b>MAT 147 Statistics</b> (note - this is a QR course)	basic math skills	<b>support</b>	<b>3</b>
	gen ed <a href="#">u</a>		gen ed	3

Semester credits: 17  
Total Third Year: 31  
Cumulative Credits: 95

#### Fourth Year

Semester VII- Fall	Course Number	Pre-req	Course category	Credits
	<b>ITE 501 Information Technology Capstone Project Specification (specification for the capstone project implemented in ITE 521)</b>	ITE 350 & permission of CS dept chair	<b>major</b>	<b>1</b>
	<b>Required Minor Course4</b>		<b>minor</b>	<b>3</b>
	gen ed or <a href="#">u</a>	variable	gen ed	3
	gen ed <a href="#">u</a>		gen ed	3
	free elective or gen ed <a href="#">u</a>		free elective	3

Semester credits: 13

Semester VIII - Spring	Course Number	Pre-req	Course category	Credits
	<b>ITE 505 Information Technology Capstone Project</b>	ITE 501 and permission of CS dept chair	<b>major</b>	<b>3</b>
	free elective or gen ed <a href="#">u</a>		free elective	3
	<b>Required Minor Course5</b>		<b>minor</b>	<b>3</b>
	Free elective		free elective	3
	free elective (if necessary)		free elective	

Semester credits: 12  
Total Fourth Year: 25  
Cumulative Credits: 120