

## ACADEMIC ROADMAP

Computer Information Systems (BS)

Fall 2022

### Freshman Year (30 credits)

#### FIRST SEMESTER

Course Title	Catalog Number	Prerequisite(s)
College Writing I	CWP 101	none
Pre-Computer Information Systems Freshmen Cohort Block Scheduled	CIS 190	none
Math Course	MAT 114 or MAT 124 or MAT 126	Three years HS math Three years NYSR HS math Four years NYSR HS math
Computer Science Math Pilot Course or Foundations of Creative Thinking	CIS 189 (Math Course = MAT 114) or CRS 205 (Math Course = MAT 124 or MAT 126)	none
Intellectual Foundations Course		

#### SECOND SEMESTER

Course Title	Catalog Number	Prerequisite(s)
College Writing II	CWP 102	CWP 101 with C or better
Computer Based Information Processing I	CIS 151	none
Computer Fundamentals Productivity Class	CIS 101	none
Intellectual Foundations Course		
Intellectual Foundations Course		

### Notes and recommendations:

Attend at least one faculty office hour; visit Academic Commons (Math & Writing Centers, tutoring); view your degree audit sheet in Degree Works

### Sophomore Year (60 credits)

#### THIRD SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Computer Based Information Processing II	CIS 251	CIS 151
Computer Organization or Systems Analysis and Design or Programming for the Internet Environment I	CIS 315 or CIS 370 or CIS 375	CIS 151
Intellectual Foundations – Diversity Course	Preferred courses: EXE 100 or AAS 100 or WGS 101 or SOC 240	
Intellectual Foundations Course		
Intellectual Foundations Course		

FOURTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Computer Organization or Systems Analysis and Design or Programming for the Internet Environment I	CIS 315 or CIS 370 or CIS 375	CIS 151
Computer Organization or Systems Analysis and Design or Programming for the Internet Environment I	CIS 315 or CIS 370 or CIS 375	CIS 151
Intellectual Foundations Course		
Intellectual Foundations Course		
Intellectual Foundations Course		

**Notes and recommendations:**

Form a study group; consider enrolling in a minor or certificate program

**Junior Year (90 credits)**

FIFTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Microcomputer Applications	CIS 380	CIS 370
Visual Basic Programming for the Windows Environment or Computer Operating Systems	CIS 400 or CIS 410	CIS 251 or CIS 361  CIS 251 or CIS 361, and CIS 315
Intellectual Foundations Course		
All College Elective		
All College Elective or Minor/Certificate Course		

SIXTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Database Systems	CIS 411	CIS 370
Visual Basic Programming for the Windows Environment or Computer Operating Systems	CIS 400 or CIS 410	CIS 251 or CIS 361  CIS 251 or CIS 361, and CIS 315
Computer Information Systems Elective		
All College Elective		
All College Elective or Minor/Certificate Course		

**Notes and recommendations:**

Visit the Career Development Center; talk to your faculty advisor about graduate school options

**Senior Year (120 credits)**

## SEVENTH SEMESTER

<b>Course Title</b>	<b>Catalog Number</b>	<b>Prerequisite(s)</b>
Computer Information Systems Elective		
Computer Information Systems Elective		
All College Elective		
All College Elective or Minor/Certificate Course		
All College Elective or Minor/Certificate Course		

## EIGHTH SEMESTER

<b>Course Title</b>	<b>Catalog Number</b>	<b>Prerequisite(s)</b>
Computer Information Systems Elective		
Computer Information Systems Elective		
All College Elective		
All College Elective or Minor/Certificate Course		
All College Elective or Minor/Certificate Course		

**Notes and recommendations:**

Apply for graduation; apply to graduate school, if applicable; visit the Career Development Center to have your resume reviewed