

AI DRIVEN CYBERSECURITY INFRASTRUCTURE

Bachelor of Science (BS)

This is a guide based on the 2026-2027 Undergraduate Catalog and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress.

CURRICULUM CHECKLIST

78 Hour Major – No Minor Required

- ___ CS101 Intro to Computer Programming & AI (3)
- ___ CS155 Computer Science I (3)
- ___ CS265 Computer Science II (3)
- ___ CS433 Data Analytics (3)
- ___ CS445 Software Engineering I (3)
- ___ CS453 Machine Learning (3)
- ___ CS499 Capstone Experience (3)
- ___ CS505 Data Mining (3)
- ___ CS591 Advanced Artificial Intelligence (3)
- ___ CY201 introduction to Cybersecurity & AI (3)
- ___ CY310 Information Security & Assurance (3)
- ___ CY320 Access Control (3)
- ___ CY410 Web Application Security (3)
- ___ CY420 Computer Forensics (3)
- ___ MN260 Technical Computer Programming Applications (3)
- ___ TN275 Introduction to Networks (3)
- ___ TN295 Firewalls (3)
- ___ TN375 Routing & Switching Essentials (3)
- ___ TN395 Virtual Infrastructure (3)
- ___ TN435 Network Security (3)
- ___ TN475 Network Design (3)
- ___ TN485 Network Operations I (3)
- ___ TN495 Network Operations II (3)
- ___ TN565 Network Management (3)

Electives - Choose 6 hours:

- ___ Any 300 level or higher class in CS/ CY/ TN

General Education Requirements – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 6 hours
- Constitution Requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours (MA116)
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)
- Civics examination

SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
FIRST YEAR	UI100	1	TN395	3
	EN100	3	CS155	3
	CS101	3	General Education	3
	MA116*	3	General Education	3
	TN275	3	Natural Science Gen Ed.	4
	Total	13	Total	16
SECOND YEAR	CS265	3	CS433	3
	CY201	3	CY320	3
	TN375	3	TN295	3
	MN260	3	TN475	3
	General Education	3	General Education	3
	Total	15	Total	15
THIRD YEAR	CS453	3	CS591	3
	CY310	3	TN435	3
	CY410	3	CY420	3
	Natural Science Gen Ed	4	General Education	3
	General Education	3	General Education	3
	Total	16	Total	15
FOURTH YEAR	CS445	3	TN565	3
	CS505	3	CS499	3
	TN485	3	TN495	3
	Major Elective	3	Major Elective	3
	General Education	3	General Education	3-4
	Total	15	Total	15

A "Milestone" signifies a significant stage for a student in the completion of a degree.

A minimum 2.0 GPA in the major is required to graduate with a Bachelor of Science degree.

Degree requirements for all students: a minimum of 120 credit hours, completion of the General Education program, and completion of 39 senior division hours (300-599). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.



Revised
8/3/2026

DEGREE MAP

2026-2027



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