



Cybersecurity, BS 4+1
Curriculum for 2026-2027
Four Year Plan

Course	Course Title	Prerequisites	Notes
Freshman Year: Semester One			
CYS 101	Intro to Information Security		
BLU 101	Foundations Seminar		<i>Blueprint Course</i>
EN 101	College Writing		
CYS 131	Computer Science I		
MA 235	Discrete Mathematics		
Freshman Year: Semester Two			
BLU 151	Public Speaking	BLU 101	<i>Blueprint Course</i>
CYS 132	Computer Science II	CYS 131	<i>CompTia Certification A+</i>
EN 102	Writing in the Humanities		
MA 145	College Mathematics		
GEN ED	General Education Module		
Sophomore Year: Semester Three			
CYS 231	Computer Organization	CYS 131	
BLU 201	Service Learning & Civic Engagement	BLU 151	<i>Blueprint Course</i>
MA 200	Topics in Statistics		
GEN ED	General Education Module		
GEN ED	General Education Module		
Sophomore Year: Semester Four			
CYS 254	Computer Networks	CYS 231	
GEN ED	General Education Module		
GEN ED	General Education Module		
RS Elective	Religious Studies Elective		
All College	All College Elective		
Junior Year: Semester Five			
CYS 354	Intro to Network Security	CYS 254	
CYS 333	Information Security	60 Credits	
CYS Elective	Cybersecurity Elective		
BLU 301	Junior Symposium	60 Credits	<i>Blueprint Course</i>
GEN ED	General Education Module		
Junior Year: Semester Six			
CYS 355	Computer Crime	60 Credits	
Liberal Arts	Liberal Arts Elective Upper Level		
EN 340	Professional and Technical Writing		
All College	All College Elective		
All College	All College Elective		
Senior Year: Semester Seven			
CYS 450	Senior Seminar	90 Credits	
All College	All College Elective Upper Level		
Liberal Arts	Liberal Arts Elective		
MSCT 501	Foundations of Information Security	90 Credits	
MSCT 502	Cybersecurity Technology & Tools	90 Credits	
Senior Year: Semester Eight			
CYS 498	Internship	90 Credits	
Liberal Arts	Liberal Arts Elective Upper Level		
Liberal Arts	Liberal Arts Elective		
All College	All College Elective Upper Level		
MSCT 503	Vulnerability Mgmt. & Penetration Testing	105 Credit Hours	
Modules Notes			
General Education Module			
American History/ Western Civilization			
Arts			
Foreign Culture and Language			
General Education Elective		MA 200	
Humanities			
Mathematics		MA 145	
Social Sciences			