



# Bachelor of Science in Computer Science – Cybersecurity

2024 – 2025 Academic Program

FIRST SEMESTER (EVEN)			SECOND SEMESTER (ODD)		
Proposed Courses	Sem/Yr	Grade	Proposed Courses	Sem/Yr	Grade
<b>CS 121</b> – Computer Science I [4]			<b>CS 122</b> – Computer Science II [4]		
<b>EN 100</b> – PLE Writing & Language [4]	PLE Core		<b>MA 121</b> – Calculus I [4]	MA Core	
<b>FYS 100</b> – First Year Seminar [4]			<b>MA 251</b> – Probability and Statistics [4]		
<b>MA 120</b> – Foundations of Calc [4]			<b>Core Course or Elective</b>		
THIRD SEMESTER (ODD)			FOURTH SEMESTER (EVEN)		
Proposed Courses	Sem/Yr	Grade	Proposed Courses	Sem/Yr	Grade
<b>CS 209</b> – Database Systems [4]			<b>CS 222</b> – Systems Programming [4]		
<b>CS 221</b> – Data Structures [4]			<b>CS 230</b> – Comp Architecture [4]		
<b>CS 250</b> – Foundations AI & DS [4]			<b>MA 135</b> – Applied Discrete Math [4]		
<b>Core Course or Elective</b>			<b>Core Course or Elective</b>		
FIFTH SEMESTER (EVEN)			SIXTH SEMESTER (ODD)		
Proposed Courses	Sem/Yr	Grade	Proposed Courses	Sem/Yr	Grade
<b>CS 296</b> – Professional Dev Seminar [1]	SLE #1		<b>CS 261</b> – <i>Ethical Hacking</i> [2]		
<b>CS 341</b> – Software Engineering [4]			<b>CS 262</b> – <i>Digital Forensics</i> [2]		
<b>CS 363</b> – Comp Security [4]			<b>CS 322</b> – Algorithms [4]		
<b>PH 263</b> – Societal Imp of Computing [4]	HUM Core		<b>CS 396</b> – Industry and Special Topics Sem [1]		
<b>Core Course or Elective</b>			<b>Core Course or Elective</b>		
SEVENTH SEMESTER (ODD)			EIGHTH SEMESTER (EVEN)		
Proposed Courses	Sem/Yr	Grade	Proposed Courses	Sem/Yr	Grade
<b>CS 342</b> – Networking [4]			<b>CS 364</b> – Network Security [4]	SLE #2	
<b>CS 401</b> – Capstone Project I [2]			<b>CS 402</b> – Capstone Project II [2]		
<b>CS 421</b> – Prog Lang Design & Imp [4]			<b>CS 422</b> – Operating Systems [4]		
<b>Core Course or Elective</b>			<b>Core Course or Elective</b>		
			<b>Core Course or Elective</b>		
<b>Transfer Credits</b>					
<b>TOTAL CREDITS</b>					

*Note: Italicized courses are offered every other year*

## Core Courses Required:

1. PLE Core Course *must* be **EN 100** Writing and Language
2. **FYS 100** First Year Seminar
3. MA Core Course *must* be **MA 121** Calculus I or **MA 251** Prob & Stat
4. HUM Core Course *must* be **PH 263** Societal Impacts of Computing
5. NPS1: \_\_\_\_\_
6. PLO: \_\_\_\_\_
7. CE: \_\_\_\_\_
8. WCH: \_\_\_\_\_
9. NCH: \_\_\_\_\_
10. SSC: \_\_\_\_\_

*one must  
be designated  
GWR*

**CS Electives:** (9-12 credits may include CS, DAT, or EGR 330, 430, 434)

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_