COLUMBUS STATE UNIVERSITY

MAJOR:	Computer Science
MATH PLACEMENT:	None
TRACK:	Cybersecurity

DEGREE:	Nexus
COLLEGE:	TCOB
YEAR:	Various

SEMESTER 1 (Two 8 Week Terms)	CREDITS	AREA	C OR BETTER
CYNX 2201 – IT Fundamentals	2		
CYNX 2165 – Profess in the Cyber Workforce I	1		
CYNX 2202 – Network Fundamentals	2		
CYNX 3165 – Profess in the Cyber Workforce II	1		
TOTAL HOURS	6		
Notes:			

SEMESTER 2 (Two 8 Week Terms)	CREDITS	AREA	C OR BETTER
CYNX 3455 – Cybersecurity Apprenticeship I	3		
CYNX XXXX – Cybersecurity Track Course I*	2		
CYNX XXXX – Cybersecurity Track Course II*	2		
TOTAL HOURS	7		
Notes			

SEMESTER 3 (Two 8 Week Terms)	CREDITS	AREA	C OR BETTER
CYNX 4455 – Cybersecurity Apprenticeship II	3		
CYNX XXXX – Cybersecurity Track Course III*	2		
TOTAL HOURS	5		
Notes:			

*CYBERSECURITY TRACK COURSES (Must Complete Three)
CYNX 3201 – Penetration Testing Basics
CYNX 3202 – Penetration Testing Professional
CYNX 3215 – Web Application Penetration Testing
CYNX 3216 – Threat hunting Professional
CYNX 3225 – Digital Forensics Professional
CYNX 3235 - Practical Network Defense
CYNX 3236 – Virtualization Basics
CYNX 3237 - Practical Web Defense
CYNX 4203 – Penetration Testing Extreme
CYNX 4205 – Advanced Reverse Engineering of Software
CYNX 4215 – Web Application Penetration Testing Extreme
CYNX 4225 – Mobile Application Security & Penetration Testing

SEMESTER 4	CREDITS	AREA	C OR BETTER
ENGL 1101 - English Composition 1	3	A	yes
MATH 1113 - Pre-Calculus	3	A	yes
COMM 1110 - Communications	3	B	
Humanities Elective	3	C	
Fine Arts	3	C	
TOTAL HOURS	15		
Notes:			

SEMESTER 5	CREDITS	AREA	C OR BETTER
ENGL 1102 - English Composition 2	3	A	yes
Science Elective with lab	4	D	
STAT 1401 – Elementary Statistics	3	D	
History 2111 / 2112 – US History to/since 1865	3	E	
POLS 1101 – American Government	3	E	
TOTAL HOURS	16		
Notes			

SEMESTER 6	CREDITS	AREA	C OR BETTER
Area B Seminar	1	B	
Social Sciences Elective (Behavioral Science)	3	E	
Social Science Elective (World Culture)	3	E	
Science Elective with Lab	4	D	
TOTAL HOURS	11		
Notes:			

NEXUS CYBERSECURITY		
Tracks		

Vulnerability Assessment Analyst (VAA)

3201	Penetration Testing Basics
3202	Penetration Testing Professional
4203	Penetration Testing Extreme

Secure Software Assessor (SAA)

3201	Penetration Testing Basics
3225	Web Application Pen Testing
4215	Web Application Pen Testing Extreme

FinTech Software QA Assessor

3201	Penetration Testing Basics
3225	Web Application Penetration Testing
3237	Practical Web Defense

Exploitation Analyst (EA)

4203	Penetration Testing Extreme
4215	Web Application Pen Testing Extreme
4225	Mobile Application Security & Pen Testing

Cyber Instructor (CI)

3202	Penetration Testing Professional
4203	Penetration Testing Extreme
3032	Threat Hunting Professional

FinTech Threat Modeling[1]

3201	Penetration Testing Basics
3202	Penetration Testing Professional
4203	Penetration Testing Extreme

System Administrator (SA)

3235	Practical Network Defense
3237	Practical Web Defense
3032	Threat Hunting Professional

Counterintelligence Forensic Analyst[2] (CFA)

3235	Practical Network Defense
3237	Practical Web Defense
3235	Threat Hunting Professional

FinTech Incident Detection Analyst

3225	Digital Forensics Professional
4225	Mobile Application Security & Pen Testing
3235	Threat Hunting Professional

Additional Notes

This program map illustrates appropriate coursework for completing a degree within two years, provided that course grades allow for earned credit. Please consult with your advisor to determine when courses can be switched out with others and taken in a different semester or sequence than illustrated since not all courses are taught ever semester. A Freshman Learning Community (FRLC 1116 or a First Year Seminar (FYRS 1105) is required of all students entering wither as new freshman or with fewer that 30 hours of transferred credit, so please talk to your advisor about this requirement. This map is for illustrative purposes only and does not constitute a legal contract on the part of CSU since degree requirements or course offerings could change. As always, check with your advisor.