Cybersecurity 4-Year Plan

Cybersecurity (General)				
Course	**Credit**		**Course**	**Credit**
First Year Fall			**First Year Spring**	
Precalculus (MATH 130 or 132)	3		CPSC 150	3
ENGL 123	3		CPSC 150L	1
Foreign Language	3		MATH 140	4
Area of Inquiry	3		Area of Inquiry	3
Area of Inquiry	3		Economics	3
CYBR 198	1		CYBR 198	1
Semester total:	**16**		**Semester total:**	**15**
Second Year Fall			**Second Year Spring**	
CPSC 250	3		CPSC 255	3
CPSC 250L	1		CPSC 335	3
Science 1 (Physics, Biology, or Chemistry) & Lab	4		Science 2 (Physics, Biology, or Chemistry) & Lab	4
MATH 125	3		MATH 235	3
ENGL 223	3		ENGR 213	3
CYBR 298	1		CYBR 298	1
Semester total:	**15**		**Semester total:**	**17**
Third Year Fall			**Third Year Spring**	
CPSC 256 or 327	3		CYBR 428	3
CYBR 328	3		Major Elective	3
CPEN 371W	2		Major Elective	3
Area of Inquiry (Science) & Lab	4		Area of Inquiry (Science)	3
Major Elective	3		Area of Inquiry	3
Semester total:	**15**		**Semester total:**	**15**
Fourth Year Fall			**Fourth Year Spring**	
CPSC 336	3		CYBR 498W	3
CYBR 429	3		CYBR 448	3
CPSC 440	3		Elective	3
Major Elective	3		Elective	3
Elective	3			
Semester total:	**15**		**Semester total:**	**12**

Cybersecurity 4-Year Plan

Cybersecurity (Calculus-ready)				
Course	**Credit**		**Course**	**Credit**
First Year Fall			**First Year Spring**	
MATH 125	3		CPSC 150	3
ENGL 123	3		CPSC 150L	1
Foreign Language	3		MATH 140	4
Area of Inquiry	3		Area of Inquiry	3
Area of Inquiry	3		Economics	3
CYBR 198	1		CYBR 198	1
Semester total:	**16**		**Semester total:**	**15**
Second Year Fall			**Second Year Spring**	
CPSC 250	3		CPSC 255	3
CPSC 250L	1		CPSC 335	3
Science 1 (Physics, Biology, or Chemistry) & Lab	4		Science 2 (Physics, Biology, or Chemistry) & Lab	4
MATH 235	3		Area of Inquiry	3
ENGL 223	3		ENGR 213	3
CYBR 298	1		CYBR 298	1
Semester total:	**15**		**Semester total:**	**17**
Third Year Fall			**Third Year Spring**	
CPSC 256 or 327	3		CYBR 428	3
CYBR 328	3		Major Elective	3
CPEN 371W	2		Major Elective	3
Area of Inquiry (Science) & Lab	4		Area of Inquiry (Science)	3
Major Elective	3		Elective	3
Semester total:	**15**		**Semester total:**	**15**
Fourth Year Fall			**Fourth Year Spring**	
CPSC 336	3		CYBR 498W	3
CYBR 429	3		CYBR 448	3
CPSC 440	3		Elective	3
Major Elective	3		Elective	3
Elective	3			
Semester total:	**15**		**Semester total:**	**12**

Cybersecurity 4-Year Plan

Cybersecurity (PLP)				
Course	**Credit**		**Course**	**Credit**
First Year Fall			**First Year Spring**	
MATH 125	3		CPSC 150	3
ENGL 123	3		CPSC 150L	1
Foreign Language	3		MATH 140	4
Area of Inquiry	3		AMST 100	3
LDSP 210	3		LDSP 240	3
CYBR 198	1		CYBR 198	1
Semester total:	**16**		**Semester total:**	**15**
Second Year Fall			**Second Year Spring**	
CPSC 250	3		CPSC 255	3
CPSC 250L	1		CPSC 335	3
Science 1 (Physics, Biology, or Chemistry) & Lab	4		Science 2 (Physics, Biology, or Chemistry) & Lab	4
MATH 235	3		ENGR 213	3
ENGL 223	3		LDSP 320	3
CYBR 298	1		CYBR 298	1
Semester total:	**15**		**Semester total:**	**17**
Third Year Fall			**Third Year Spring**	
CPSC 256 or 327	3		CYBR 428	3
CYBR 328	3		Major Elective	3
CPEN 371W	2		Major Elective	3
Area of Inquiry (Science) & Lab	4		Area of Inquiry (Science)	3
Major Elective	3		Area of Inquiry	3
Semester total:	**15**		**Semester total:**	**15**
Fourth Year Fall			**Fourth Year Spring**	
CPSC 336	3		CYBR 498W	3
CYBR 429	3		CYBR 448	3
CPSC 440	3		Economics	3
Major Elective	3		Area of Inquiry	3
LDSP Elective	3		LDSP 442	3
Semester total:	**15**		**Semester total:**	**15**

Cybersecurity 4-Year Plan

Cybersecurity (Honors Program)					
Course	**Credit**		**Course**	**Credit**	
First Year Fall			**First Year Spring**		
CPSC 150	3		CPSC 250	3	
CPSC 150L	1		CPSC 250L	1	
MATH 125	3		MATH 140	4	
Foreign Language	3		Economics	3	
Honors 100 Seminar	3		Honors 300-350	3	
Honors First Year Activities	0		Honors First Year Activities	0	
CYBR 198	1		CYBR 198	1	
Semester total:	**14**		**Semester total:**	**15**	
Second Year Fall			**Second Year Spring**		
CPSC 255	3		CPSC 440	3	
Science 1 (Physics, Biology, or Chemistry) & Lab	4		Science 2 (Physics, Biology, or Chemistry) & Lab	4	
CPSC 335	3		ENGR 213	3	
MATH 235	3		Honors 300-350	3	
Honors 300-350	3		Honors Second Year Activities	0	
Honors Second Year Activities	0		CYBR 298	1	
CYBR 298	1				
Semester total:	**17**		**Semester total:**	**14**	
Third Year Fall			**Third Year Spring**		
CPSC 256 or 327	3		CYBR 428	3	
CYBR 328	3		Major Elective	3	
CPEN 371W	2		Major Elective	3	
Area of Inquiry (Science) & Lab	4		Area of Inquiry (Democratic Engagement)	3	
Major Elective	3		Honors 38x	0 - 3	
Honors 38x	0 - 3		Honors Third Year Activities	0	
Honors Third Year Activities	0				
Semester total:	**15 - 18**		**Semester total:**	**12 - 15**	
Fourth Year Fall			**Fourth Year Spring**		
CPSC 336	3		CYBR 498W	3	
CYBR 429	3		CYBR 448	3	
Major Elective	3		Elective	3	
Elective	3		Elective	3	
Elective	3		Honors 490W	3	
Honors Fourth Year Activities	0		Honors 484	1	
			Honors Fourth Year Activities	0	
Semester total:	**15**		**Semester total:**	**16**	

Cybersecurity 4-Year Plan

Required Courses				Major Electives	
				Select four:	
Cybersecurity				CPSC 350	Information Systems Analysis
CYBR 198	First Year Cybersecurity Seminar			CPSC 360	Programming Language Concepts
CYBR 298	Second Year Cybersecurity Seminar			CPSC 410	Operating Systems
CYBR 328	Foundations/Principles of Cybersecurity			CPSC 430	Simulation Modeling
CYBR 428	Network Security and Cryptography			CPSC 471	Applied Artificial Intelligence
CYBR 429	Computer & System Security			CPSC 475	Android Mobile Computing
CYBR 448	Advanced Cryptography and Cybersecurity			CPEN 422	Microprocessors
CYBR 498W	Cybersecurity Capstone				
Information Science					
CPSC 335	Data Communication Systems				
CPSC 336	Network Implementation & Administration				
CPSC 440	Database Management Systems				
Computer Science					
CPSC 150	Intro Programming (Python)				
CPSC 150L	Intro Programming Lab				
CPSC 250	Programming for Data Manipulation (Python)				
CPSC 250L	Programming for Data Manipulation Lab (Python)				
CPSC 255	Programming for Applications (Java)				
CPSC 256 or	C/C++ Programming for Engineers/Scientists				
CPSC 327	C++ Programming				
Mathematics					
MATH 125	Elementary Statistics				
MATH 130 or 132	Precalculus (MATH 130 or 132)				
MATH 140	Calculus and Analytic Geometry				
MATH 235	Matrix Techniques				
Engineering					
ENGR 213	Discrete Structures for Computer Applications				
CPEN 371	Computer Ethics (Writing Intensive)				
Liberal Learning Foundation					
ENGL 123	First-Year Writing Seminar				
ENGL 223	Second-Year Writing Seminar				