CYBER SECURITY BS/ MS COMPUTER SCIENCE ACCELERATED PROGRAM

To enable high-achieving and motivated students to earn both a bachelor degree in Cyber Security and a graduate degree in Computer Science in five years, we offer a combined accelerated program. Students in the accelerated program can start to take graduate courses in the senior year and finish both the undergraduate degree in Cyber Security and the graduate degree in Computer Science in five years.

A student in the BS in Cyber Security program needs to apply for the accelerated program by the end of the semester prior to the senior year. The admission standard to the Accelerated Program should be consistent with the MS in Computer Science program. Students in the accelerated program should meet the program requirements of both BS in Cyber Security and MS in Computer Science programs.

- Major in Cyber Security (https://catalog.roosevelt.edu/undergraduate/health-science/cyber-information-security-bs/)
- Completion of 60 credit hours of undergraduate course work
- Have and maintain a minimum grade point average of 3.0
- Obtain permission from the Director of Computer Science to take the required graduate courses as an undergraduate. In addition to the normal courses in the BSCSIA, students are also required to take CST 280 INTRODUCTION TO ALGORITHMS as part of their undergraduate degree.
- As part of their undergraduate degree, students must take a minimum of their last 30 credit hours at Roosevelt University or complete a minimum of 60 hours in-residence at Roosevelt University excluding the number hours in the exception request.
- Upon completion of the BS in Cyber Security, apply to the MS in Computer Science program under the normal admission process.

The student will take the following three MS in Computer Science graduate courses as part of the BS in Cyber Security. All of the courses will be applied toward the MS in Computer Science degree once the student is admitted to the MS in Computer Science program.

Graduate Courses:

Code	Title	Credit Hours
CST 408	ADVANCED ALGORITHMS (Fall)	3
CST 411	INTELLIGENCE SYSTEMS (Fall)	3
CST 457	SYSTEMS PROGRAMMING (Spring)	3

Year 1

Fall	Credit Hours	Spring	Credit Hours
FYS 101	1	ENG 102	3
MATH 121	3	MATH 217	3
ENG 101	3	CSIA 150	4
BIOL 111 or 112[1]	4	Ideas of Social Justice	3
Social Science #1	3	Social Science #2	3
	14		**16**

Year 2

Fall	Credit Hours	Spring	Credit Hours
COMM 101	3	CSIA 261	3
Physical Science[1]	3	CSIA 318	3
CST 250	4	Social Science #3	3
Science Elective[3]	3	Humanities #2	3
Humanities #1	3	General Elective	3
	16		**15**

Year 3

Fall	Credit Hours	Spring	Credit Hours
CSIA 301	3	CSIA 355	3
CSIA 317	3	CSIA 3XX[4]	3
CSIA 333	3	CST 280	3
MATH 245[3]	3	General Elective	3
Humanities #3	3	General Elective	3
	15		**15**

Year 4

Fall	Credit Hours	Spring	Credit Hours
CSIA 359	3	CSIA 368	3
CSIA 3XX[4]	3	CSIA 399[2]	3
CST 408	3	CSIA 3XX[4]	3
CST 411	3	General Elective	3
Experiential Learning #1[2]	3	CST 457	3
	15		**15**

Year 5

Fall	Credit Hours	Spring	Credit Hours
CST 421	3	CST 449	3
CST 485	3	CST 499	3
CST 4XX	3	CST 4XX	3
CST 4XX	3		
	12		**9**

Total Credit Hours 142

1 One Natural Science course must include a lab and one must be BIOL
2 Experiential Learning class must be 200/300 level. Satisfies CORE Experiential Learning requirement.
3 Students must select science electives from any science with the following restrictions: at least 6 hours must come from CST, CSIA, Math, or ACSC, at least 6 hours at the 300 level, and at most 6 hours from among special topics courses (CST/CSIA 390), Internship (CST/CSIA 394), and independent study (CSIA/CST 395). MATH 245 counts as a science elective.
4 Any 300 level CSIA course.