DATA ANALYTICS, BS/ MS COMPUTER SCIENCE ACCELERATED PROGRAM

To enable high-achieving and motivated students to earn a bachelor's degree in Data Analytics 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 their undergraduate degree in Data Analytics and a graduate degree in computer science in five years.

Requirements page:

- Major in Data Analytics (http://catalog.roosevelt.edu/undergraduate/arts-sciences/data-analytics-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 MS CS courses as an undergraduate.
- Upon completion of the Data Analytics BS, apply to the MS in Computer Science program under the normal admission process (http://catalog.roosevelt.edu/graduate/admission/).

The student will take the following three Computer Science graduate courses as part of the Data Analytics BS. All of the courses will count toward the MS in Computer Science degree once the student is admitted to the MS in Computer Science program.

Code	Title	Credit Hours
CST 421	DATA MINING	3
CST 408	ADVANCED ALGORITHMS	3
CST 457	SYSTEMS PROGRAMMING	3
Total Credit Hours		9

Your degree map is a general guide suggesting courses to complete each term on the academic pathway to your degree. It is based on the most current scheduling information from your academic program. Your program's degree map is reviewed annually and updated as schedules change (although you retain the same course requirements as long as you are continuously enrolled in your degree program).

Always work closely with your academic advisor to understand curriculum requirements and scheduling, as each student's academic plan can look slightly different.

Year 1

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

Year 2

Fall	Credit Hours	Spring	Credit Hours
MATH 245	3	MATH 246	3
COMM 101	3	CST 280	3
MATH 217	3	MATH 122	3
Experiential Learning #1[3]	3	Social Sciences #3	3
Social Science #2	3	Humanities #2	3
	15		15

Year 3

Fall	Credit Hours	Spring	Credit Hours
CST 333	3	CST 311	3
CST 387	3	Experiential Learning #2[3]	3
MATH 231	5	Undergraduate Major Elective[2]	3
Humanities #3	3	Undergraduate Major Elective[2]	3
General Elective[1]	3	General Elective[1]	3
	17		15

Year 4

Fall	Credit Hours	Spring	Credit Hours
CST 421	3	CST 310	3
CST 381	3	CST 408	3
MATH 349	3	CST 457	3
Undergraduate Major Elective[2]	3	General Elective[1]	3
General Elective[1]	1	General Elective[1]	3
	13		15

Year 5

Fall	Credit Hours	Spring	Credit Hours
CST 411	3	CST 449	3
CST 485	3	CST 499	3
Graduate Major Elective[5]	3	Graduate Major Elective[5]	3
Graduate Major Elective[5]	3		
	12		9

Total Credit Hours 141

1

Or course towards an optional Minor.

2

Major electives are chosen with an advisor.

3

Experiential Learning class must be 200/300 level. Satisfies CORE Experiential Learning requirement.

4

One Natural Science course must have a lab and one must be from BIOL.

5

Any CST 400 level course.