



Example Course Sequence:

The following is a sample of a semester-by-semester approach to completing this program in 4 years.

YEAR 1			
FIRST SEMESTER			
COURSE		CREDITS	PREREQUISITES
CPTR 111*	Foundations of Computer Science I	4	
MATH 121^	Calculus I	4	MATH 120 or placement
LA-FWS	First-Year Writing Seminar	3	
LA-FCS	First-Year Communication Seminar	3	
LA-FSS	First Year Success Seminar	1	
JAN TERM			
COURSE		CREDITS	
SECOND SEMESTER			
COURSE		CREDITS	
MATH 122	Calculus II	4	MATH 121
MATH 130	Discrete Mathematics	4	MATH 121
LA-EAH	Arts and Humanities	3	
LA-ENS	Natural Sciences	3	
		29	

YEAR 2			
THIRD SEMESTER			
COURSE		CREDITS	PREREQUISITES
MATH 233	Scientific Computing	3	MATH 121
DATA 210^	Statistical Analysis	4	MATH 105 or placement
LA-ESS	Social Sciences	3	
ELECTIVE/MINOR		3	
ELECTIVE/MINOR		3	
JAN TERM			
COURSE		CREDITS	
ELECTIVE/MINOR		3	
FOURTH SEMESTER			
COURSE		CREDITS	
DATA 242	Data Analytics*	3	DATA 210 or MATH 115 or MATH 240 or PSYC 241
MATH 245	Ordinary Differential Equations	3	MATH 122
LA-FCG	Cultural and Global Understanding	3	
ELECTIVE/MINOR		3	
		31	

4-Year Sample Schedule Cont.

YEAR 3			
FIFTH SEMESTER			
COURSE		CREDITS	PREREQUISITES
MATH 251	Linear Algebra I	4	MATH 121, 130 or 202
LA-TFR	Faith, Reason, and Ethics	3	
LA-TCE	Creative Expression	3	
ELECTIVE/MINOR		3	
ELECTIVE/MINOR		3	
JAN TERM			
COURSE		CREDITS	
EXPERIENTIAL		3	
SIXTH SEMESTER			
COURSE		CREDITS	
MATH 315	Probability and Simulation	3	DATA 210 or PSYC 241; CPTR 105 or CPTR 111
MATH 340*	Linear Algebra II	3	MATH 251
LA-TBI	Big Issues	3	
ELECTIVE/MINOR		3	
		3 <sup>1</sup>	

YEAR 4			
SEVENTH SEMESTER			
COURSE		CREDITS	PREREQUISITES
MATH 330	Operations Research Models	3	MATH 103 or 202 or 251
LA-TBI	Big Issues	3	
ELECTIVE/MINOR		3	
EXPERIENTIAL		3	
ELECTIVE/MINOR		3	
JAN TERM			
COURSE		CREDITS	
EXPERIENTIAL		3	
EIGHTH SEMESTER			
COURSE		CREDITS	
MATH 475*	Internship in Mathematics	3	MATH 130 and MATH 122
ELECTIVE/MINOR		3	
ELECTIVE/MINOR		3	
EXPERIENTIAL		3	
		30	
	TOTAL CREDITS	121	