



First Year					
1st Semester (16 hrs)			2nd Semester (17 hrs)		
Course	Title	hrs	Course	Title	hrs
MATH A141	Calculus I	4	MATH A142	Calculus II	4
CSCI A125	Introduction to Computer Science	3	ENGL A102	Composition and Literature	3
ENGL A101	Composition	3	CSCI A145	Algorithmic Design I	4
GEN ED	HIST A101 or HIST A102	3	STAT A509*	Statistics	3
MATH A174	Discrete Math for Computer Sci.	3	GEN ED	Social and Behavioral Science	3
Second Year					
1st Semester (14 hrs)			2nd Semester (15 hrs)		
Course	Title	hrs	Course	Title	hrs
CSCI A146	Algorithmic Design II	4	CSCI A220	Data Structures & Algorithms	3
MATH A344	Linear Algebra for CS and Eng.	3	CSCI A185*	Computer Applications & Prog.	3
CSCI A165+	Data Science with Python	4	CSCI A360*	Software Engineering	3
College Req.	Elective	3	College Req.	Fine Arts Elective	3
			CSCI A345+	Data Mining & Machine Learning	3
Third Year					
1st Semester (15 hrs)			2nd Semester (15 hrs)		
Course	Title	hrs	Course	Title	hrs
CSCI A385+	Advanced Machine Learning	3	CSCI A400+	Special Topics in Data Science	3
GEN ED	COMM A201 or COMM A241	3	CSCI A320*	Object-Oriented Programming	3
GEN ED	Humanities	3	CSCI A415*	Computer Networks	3
CSCI A255	Introduction to Information	3	GEN ED	Humanities	3
College Req.	Elective	3	GEN ED API	POLI A201, HIST A201/HIST A202	3
Fourth Year					
1st Semester (15 hrs)			2nd Semester (13 hrs)		
Course	Title	hrs	Course	Title	hrs
CSCI A520^	Database System Design	3	CSCI A592*	Capstone Seminar II	3
CSCI A591^	Capstone Seminar I	3	TECH ELEC	Technical Elective	3
TECH ELEC	Technical Elective	3	College Req.	Natural Science with Lab	4
GEN ED	Natural Science with Lab	4	ELEC	Free Elective	3
ELEC	Free Elective	2			

^Fall only *Spring only +Varies

Course frequency notes are subject change and do not include courses managed by other departments