

## BACS Flight Plan

\*\*All courses are 3 credits each

<b>Year 1, Fall → 15 cr</b>		
	ENC 1101* College Writing 1	Gen Ed Writing
	STA 2033 Introductory Statistics	Math
	ANT 2410 Culture and Society	Gen Ed Global Citizenship
	EVR 2017 Environment and Society	Gen Ed Human Behav B
	PSY 1012 General Psychology	Gen Ed Human Behav A
<b>Year 1, Spring → 15 cr</b>		
	ENC 1102* College Writing 2	Gen Ed Writing
	MAC 2233 Methods of Calculus	Math
	COP 2034 Introduction to Programming in Python	
	FREE Elective	
	EVR 1001 Environmental Science and Sustainability	Gen Ed – Science A
<b>Year 2, Fall → 15 cr</b>		
	COT 2000 Foundations of Computing	
	CDA 3203 Computer Logic Design	
	LIN 2607 Global Perspectives on Language	Gen Ed Global Citizenship
	FREE elective	
	GLY 2100 History of the Earth and Life	Gen Ed – Science B
<b>Year 2, Spring → 15 cr</b>		
	COP 3410 Data Structures and Algorithm Analysis with Python	
	COP 3813 Introduction to Internet Computing	
	COP 3540 Introduction to Database Structures	
	SPC 2608 Public Speaking	Gen Ed – Humanities B
	FREE elective	
<b>Year 3, Fall → 15 cr</b>		
	COP 4045 Python Programming	
	CAP 4773 Introduction to Data Science and Analytics	
	COP 4331 Object-Oriented Design and Programming	
	FREE elective	
	FREE elective	

<b>Year 3, Spring → 15 cr</b>			
	COP 4610 Computer Operating Systems		
	COP 4703 Advanced Database Systems		
	CAP 4630 Introduction to Artificial Intelligence		CS Elective
	FREE elective		
	FREE elective		
<b>Year 4, Fall → 15 cr</b>			
	CEN 4010 Principles of Software Engineering		
	CAP 4770 Introduction to Data Mining and Machine Learning		CS Elective
	CNT 4403 Foundations of Cybersecurity		CS Elective
	COP 4808 Full-Stack Web Development		CS Elective
	FREE elective		
<b>Year 4, Spring → 15 cr</b>			
	COP 4655 Mobile App Project		
	CAP 4613 Introduction to Deep Learning		CS Elective
	COP 4814 Foundations of Cloud Computing		CS Elective
	ARH 2000 Art Appreciation		Gen Ed – Humanities A
	FREE elective		