

B.S. in Biosystems Analytics & Technology

2022-2023 Catalog

	120	BATBS Total Unit
Course and Title	Units	Prerequisites/Notes
1st Semester -- Fall, Freshman Year	15	
First-Year Composition I	3	Writing Placement
Introductory Biology I (MCB 181 R & MCB 181L or PLS 240)	4	Math 120R or higher / 3 units also satisfies GenED Nat. Science
Second Language - First Semester	4	
Introductory to BAT using Cure (BAT 102, Fall only)	3	
UNIV 101 Intro. To General Education	1	
2nd Semester -- Spring, Freshman Year	17	
First-Year Composition II	3	ENGL 101 or Writing placement
Introductory Biology II (ECOL182L & ECOL182R, or MIC 205A & MIC 205L)	4	
Second Language - Second Semester Proficiency	4	
Calculus I (MATH 122A/B or MATH 125)	3	Math placement or MATH 120R
Basic Computer Skills for Office Applications (BAT 120)	3	
3rd Semester -- Fall, Sophomore Year	16	
General Chemistry I (CHEM 151, or CHEM 141 & 143, or CHEM 161 & 163)	4	Cal 1
Data Science (ISTA 131)	4	
Introduction to Biosystems Engineering (BAT 201, Fall only)	2	
GE Core: Artist	3	
GE Core: Humanist	3	
4th Semester -- Spring, Sophomore Year	16	
General Chemistry II (CHEM 142 & CHEM 144, or CHEM 152, or CHEM 162 & CHEM 164)	4	
Statistics (MATH 263 or BIOS 376 or AREC 239)	3	Cal I
Engineering Analysis & Problem Solving (BAT 205, Spring only)	3	
Intro to Sensors & Controls or elective (BAT 247, Spring only)	3	
GE Core: Social Scientist	3	

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5th Semester -- Fall, Junior Year	16	
Introductory Physics I (PHYS 102 & PHYS 181 or PHYS 141, or PHYS 161H)	4	
Science Communication/Technical Writing (ALC 422 or ENGL 308 or ENVS 408)	3	
Introduction to Biosystems Analytics (BAT 310, Fall only)	3	
GE Core: Building Connections	3	
Elective	3	Advisor approval
6th Semester -- Spring, Junior Year	14	
Internship (BE 493)	2	
Additional Science (BIOC384 or ECOL 320 or MIC 205A & MIC 205L or RNR 384)	3	
GE Core: Building Connections	3	
Elective	3	Advisor approval
Elective	3	Advisor approval
7th Semester -- Fall, Senior Year	13	
Careers and Professionalism (BAT 496A, Fall only)	1	BE 493
Biosystems Analytics (BAT 434, Fall only)	3	
Applied Biostatistics (BAT 413 Fall only)	3	
GE Core: Building Connections	3	
Elective	3	Advisor approval
8th Semester -- Spring, Senior Year	13	
Remote Sensing Data and Methods (BAT 485, Spring only)	3	
Senior Capstone (BAT 498, Spring only)	3	
UNIV 301 General Education Portfolio	1	
Elective	3	Advisor approval
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