



New College of Interdisciplinary Arts & Sciences
Master of Science in Biological Data Science - Online
 Curriculum and Graduation Checklist - Catalog Year – Spring 2023
 Total Credits: 32

Semester 1, Spring 2023 (6 hours)			
Course Name	Credits	Session	
ACO 580: Practicum - Intro to Python Programming for Problem Solving (pre-req for ACO 501)	3	Spring 2023 – A	
ACO 501: Database Systems and Problem Solving in Python	3	Spring 2023 – B	
Semester 2, Summer 2023 (6 hours)			
Course Name	Credits	Semester Taken	
LSC 562: Applied Mathematics Techniques in Biology	3	Summer 2023 – A	
LSC 555: Integrative Biology I	3	Summer 2023 – B	
Semester 3, Fall 2023 (8 hours)			
Course Name	Credits	Semester Taken	
LSC 540: Statistics for Biological Data Science I	3	Fall 2023 – A	
LSC 541: Statistics for Biological Data Science II	3	Fall 2023 – B	
LSC 519: Applied Learning Lab	2	Fall 2023 – B	
Semester 4, Spring 2024 (6 hours)			
Course Name	Credits	Semester Taken	
LSC 556: Integrative Biology II	3	Spring 2024 – A	
*Elective (LSC 598 Computational /In silico or FOR 540)	3	Spring 2024 – B	
Semester 5, Summer 2024 (6 hours)			
Course Name	Credits	Semester Taken	
LSC 585: Capstone I in Biological Data Science	3	Summer 2024 – A	
LSC 586: Capstone II in Biological Data Science	3	Summer 2024 – B	

General Guidelines	
<ul style="list-style-type: none"> ✓ Upon admission each student will be provided with a recommended course sequence. It is strongly recommended that you follow this course sequence or discuss any alterations with your academic advisor. Failure to follow the recommended course sequence may delay program completion. ✓ Not all required Biological Data Science courses will be offered each semester. ✓ The Interactive Program of Study (iPOS) must be completed in your first semester. ✓ You must maintain a 3.0 GPA in your iPOS Coursework, Graduate Coursework GPA, and Cumulative Graduate GPA. ✓ You must be enrolled in at least one credit that appears on your iPOS or one credit of LSC 595 continuing registration each Fall/Spring semester ✓ All coursework must be completed within 6 years of the first course that appears on your iPOS. 	