



New College of Interdisciplinary Arts & Sciences
Master of Science in Biological Data Science
 Curriculum and Graduation Checklist - Catalog Year - Fall 2019
 Total Credits: 32

Semester 1, Fall (11 hours)			
Course Name	Credits	Semester Taken	Grade
BIO 614: Biometry	4		
LSC 555: Integrative Biology I	3		
LSC 562: Applied Mathematics Techniques in Biology	3		
LSC 547: Wet Laboratory Experience	1		
Semester 2, Spring (10 hours)			
ACO 501: Database Systems and Problem Solving in Python	3		
LSC 556: Integrative Biology II	3		
STP 560: Experimental Statistics in Biology	3		
LSC 519: Applied Learning Lab	1		
Semester 3, Fall (5 or 6 hours)			
Course Name	Credits	Semester Taken	Grade
Applied Project (ACO 593, or BIO 593, or MAT 593) or Thesis (ACO 599, or BIO 599, or MAT 599)	3		
Elective or Research			
Semester 4, Spring (5 or 6 hours) *Must schedule 6 hours if 5 hours were earned in semester 3			
Course Name	Credits	Semester Taken	Grade
Applied Project (ACO 593, or BIO 593, or MAT 593) or Thesis with Written & Oral Defense (ACO 599, or BIO 599, or MAT 599)	3		
Elective or Research			

* What can you count as elective courses?
What counts: <ul style="list-style-type: none"> - ACO 598: Graduate Data Science - BIO 598: Ecosystem Ecology - BMI 555: Statistical Learning for Data Mining - BMI 601: Fundamentals of Health Informatics - LSC 598: Graduate Environmental & Human Toxicology - MAT 598: Graduate Mathematical Models in Biology - STC 510: Applied Social Technology
What needs to be approved (in advance) by both your advisor & the graduate program director: <ul style="list-style-type: none"> - ACO, BIO, or MAT courses (e.g., 580, 584, 590, 592) - 400-level courses in any discipline - Courses transferred in from other universities
What does not count: <ul style="list-style-type: none"> - 595 credits - 100, 200, or 300-level courses

General Guidelines
<ul style="list-style-type: none"> - You may apply only 6 credits of 400-level work toward the master's degree - You must meet all GPA and grade requirements outlined in the New College Satisfactory Academic Progress Policy - 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 approved by your advisor and formalized in the iPOS. Mere enrollment in a course does not entitle you to count it toward a graduate degree