

Semester 1, Fall 2024 (7 credit hours)			
Course Prefix, Number and Title	Credit Hours	Session/Semester	Grade
LSC 540: Statistics for Biological Data Science I	3	Session C	
LSC 547: Wet Laboratory Experience	1	Session C	
LSC 555: Integrative Biology I	3	Session C	
Semester 2, Spring 2025 (7 credit hours)			
Course Prefix, Number and Title	Credit Hours	Session/Semester	Grade
ACO 501: Database Systems and Problem Solving in Python	3	Session C	
LSC 519: Applied Learning Lab	1	Session C	
LSC 556: Integrative Biology II	3	Session C	
Semester 3, Summer 2025 (6 credit hours)			
Course Prefix, Number and Title	Credit Hours	Session/Semester	Grade
LSC 562: Applied Mathematics Techniques in Biology (iCourse)	3	Session A	
LSC 541: Statistics for Biological Data Science II (iCourse)	3	Session B	
Semester 4, Fall 2025 (6 credit hours)			
Course Prefix, Number and Title	Credit Hours	Session/Semester	Grade
Applied Project (ACO, BIO, LSC, MAT 593) OR Thesis with Written & Oral Defense (ACO, BIO, LSC, MAT 599)	3	Session C	
*Elective or Research (ACO 592, or BIO 592, or MAT 592)	3	Session C	
Semester 5, Spring 2026 (6 credit hours)			
Course Prefix, Number and Title	Credit Hours	Session/Semester	Grade
Applied Project (ACO, BIO, LSC, MAT 593) OR Thesis with Written & Oral Defense (ACO, BIO, LSC, MAT 599)	3	Session C	
*Elective or Research (ACO 592, or BIO 592, or MAT 592)	3	Session C	
What counts as an elective course?	General Guidelines		
<p>Pre-approved electives:</p> <ul style="list-style-type: none"> - LSC 598 Ecosystem Ecology (3 credits, fall) - LSC 598 Graduate Environmental Chemistry (3 credits, fall) - LSC 598 Soil Science (3 credits, fall) - LSC 598 Environmental Impact of Cannabis Sativa (4 credits, spring) - SDS 510 Data Wrangling (3 credits, fall) - MAT 421 Applied Computational Methods (3 credits, spring C iCourse) - MCB 540 Functional Genomics (3 credits, fall B or spring B iCourse) - BMI 550 Translational Bioinformatics (3 credits, spring B iCourse) - BMI 515 Applied Biostatistics in Medicine and Informatics (3 credits, fall b hybrid or spring A iCourse) - BIO 416 Biomedical Research Ethics (3 credits, fall A icourse, spring A or B iCourse) - STP 470 Predictive Analytics (3 credits, fall B iCourse) <p>What needs to be approved (in advance) by both the faculty advisor & the graduate program director:</p> <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 <p>What does not count:</p> <ul style="list-style-type: none"> - 593, 595, or 599 credit - 100, 200, or 300-level courses 	<p>Faculty approval required for:</p> <ul style="list-style-type: none"> - up to 6 credit hours of 400-level work may apply toward the master's degree. - All coursework in the interactive Plan of Study (iPOS). Mere enrollment in a course does not entitle a student to count it toward a graduate degree. <p>Academic progress:</p> <ul style="list-style-type: none"> - Students are required to meet Satisfactory Academic Progress Policy and maintain continuous enrollment as defined by the ASU Graduate College Policy Manual. - The culminating experience is completed in a student's final year of study. To be eligible for registration consult the program handbook. - For information regarding the minimum passing grade for the 593 or 599 culminating experience, please go to Satisfactory Academic Progress Policy <p>Policies:</p> <ul style="list-style-type: none"> - Core courses can never be transferred from other universities. All work toward a master's degree must be completed within six consecutive years. For more information review the ASU Graduate College Policy Manual. 		