

Note: This is a general guide to our curriculum. The order in which you take the courses is determined by our course schedule and the semester/term in which you enter our program. Please reach out to our advising team at NCGradOnline@asu.edu with any questions.

Required Core Courses (5 credit hours)			
Course Name	Credits	Semester Taken	Grade
ACO 501: Database Systems and Problem Solving in Python	3		
LSC 519: Applied Learning Lab	2		
Statistics Requirements (6 credit hours)			
Course Name	Credits	Semester Taken	Grade
LSC 598/540: Statistics for Biological Data Science I	3		
LSC 598/541: Statistics for Biological Data Science II	3		
Other Requirements (12 credit hours)			
Course Name	Credits	Semester Taken	Grade
ACO 580: Practicum - Intro to Python Programming for Problem Solving (pre-req for ACO 501)	3		
LSC 555: Integrative Biology I	3		
LSC 556: Integrative Biology II	3		
LSC 562 Applied Mathematics Techniques in Biology	3		
Electives (3 credit hours – Select One Course)			
Course Name	Credits	Semester Taken	Grade
*Elective (LSC 598 Computational /In silico or FOR 540)	3		
FOR 540: Advanced Topics in Human Forensic DNA (PSM)	3		
Required Culminating Experience (6 credit hours)			
Course Name	Credits	Semester Taken	Grade
LSC 585: Capstone I in Biological Data Science	3		
LSC 586: Capstone II in Biological Data Science	3		
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. 			