

Ohio University Undergraduate Certificate in Bioinformatics
Program of Study for _____
Expected Completion Date of Certificate Requirements: _____

	Academic term (semester, year)
Statistics (choose one)	
PSY 2110 Statistics for the Behavioral Sciences (4) <u>or</u>	
MATH 2500 Introduction to Statistics (4) <u>or</u> __	
EE 3713 Applied Probability and Statistics for Electrical Engineers (3) <u>or</u>	
PBIO 3150 Statistical Methods in Plant Biology (4)	
Computation	
CS 3000 Introduction to Discrete Structures (4)	
Intermediate Computation Course (choose one)	
CS 3610 Data Structures (4) <u>or</u>	
MATH 3680 - Quantitative Foundations for Bioinformatics (3)	
Bioinformatics Capstone Sequence	
CS 4160 Problem Solving with Bioinformatics Tools (3) <u>or</u>	
PBIO 4160 - Problem Solving with Bioinformatics Tools (3)	
CS 4170 Data mining: with applications in the life science(3)	

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Biology	
Genetics (choose one)	
PBIO 3300 Plant Genetics (3) <u>or</u>	
BIOS 3100 General Genetics (3)	
Laboratory Practicum (choose one)	
PBIO 3010 Lab in Cell and Molecular Plant Physiology (2) <u>or</u>	
BIOS 3205 Cell and Microbiology Techniques (2) <u>or</u>	
BIOS 3105 Laboratory Genetics (2) <u>or</u>	
PBIO 4280 Laboratory in Genomics Techniques (3)	
Additional Biology	
Complete an additional BIOS or PBIO (3 or more hours) course at the 3000- or 4000-level (except PBIO 3150 or PBIO 4180) not taken in the genetics and lab practicum sections.	
Cell Biology (choose one)	
PBIO 4310 Plant Cell Biology (3) <u>or</u>	
BIOS 3200 Fundamentals of Animal Cell Biology	

Student signature: _____ Print: _____ Date: _____

Academic Advisor's signature: _____ Print: _____ Date: _____

Director of Bioinformatics Program's signature: _____ Print: _____

Date: _____

Notes: