

BIOLOGY HONORS RESEARCH CERTIFICATE REQUIREMENTS

This certificate is intended for students in biology or related sciences who wish to complete a research thesis within the biology department. Such a decision should be made by the student in conjunction with their research mentor. Thesis work will include: the formation of a research committee; a research proposal; the research itself; a written thesis; and defense of the thesis.

Code	Title	Units
Certificate Requirements - 10 units ¹		
Choose two from:		4-8
BIOLOGY 254	BIOTECHNOLOGY LABORATORY METHODS I	
BIOLOGY 258	ECOLOGICAL FIELD METHODS	
BIOLOGY 364	BIOTECHNOLOGY LABORATORY METHODS II	
BIOLOGY 448	BIOINFORMATICS	
BIOLOGY 458 or CHEM 458	ADVANCED BIOCHEMISTRY LABORATORY	
CHEM 352	QUANTITATIVE ANALYSIS	
ENVSCI 300	FIELD AND RESEARCH METHODS IN ENVIRONMENTAL SCIENCE	
One unit from:		1
BIOLOGY 498 or BIOLOGY 498R	INDEPENDENT STUDY - UNDERGRADUATE RESEARCH	
Thesis Requirements (two semesters)		
BIOLOGY 499	BIOLOGY THESIS ²	2
BIOLOGY 499	BIOLOGY THESIS ³	3
Total Units		10-14

¹ Students must have a 3.40 major GPA and within the certificate courses to graduate with this certificate.

² Select 2 units.

³ Select 3 units.