

# UNDERGRADUATE EMBEDDED CERTIFICATE IN PHYSIOLOGY AND BIOMEDICAL SCIENCES

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Biology majors are eligible to complete certificates within Biology electives and free electives.

All certificates are subject to the following requirements:

- Minimum 12 credits from the list of approved courses for each certificate
- Minimum 9 credits BIOS coursework
- Minimum 9 credits of 3xxx or higher coursework
- Maximum 6 credits of Special Topics
- Maximum 3 credits Transfer Credit
- Courses may not be double-counted toward more than one certificate or minor

Students declare a certificate, select and complete at least 12 credits that correspond to the desired certificate from the list below. Complete Certificate Applications must be submitted at least two weeks prior to the end of your graduating semester. The Certificate Application will be available on the Biology Majors Portal site in Canvas.

Code	Title	Credit Hours
BIOS 3753	Human Anatomy	3
BIOS 3755	Human Physiology	3
Choose a minimum of 6 credits:		6
BIOS 3380	Microbiology	
BIOS 4015	Cancer Biology and Biotechnology	
BIOS 4100	Exercise Physiology	
BIOS 4200	Kinesiological Basis of Human Movement	
BIOS 4238	Ion Channels	
BIOS 4340	Medical Microbiology	
BIOS 4400	Human Neuroanatomy	
BIOS 4418	Microbial Physiology	
BIOS 4440	Human Pathology	
BIOS 4464	Developmental Biology	
BIOS 4500	Drug Discovery	
BIOS 4520	Health Genes Society	
BIOS 4540	Human Motor Control	
BIOS 4570	Immunology	
BIOS 4651	Bioethics	
BIOS 4803	Special Topics (Chromosome Biology & Human Disease)	
BIOS 4803	Special Topics (Neuromotor Physiology)	
BIOS 4803	Special Topics (Integrative Physiology)	
Labs (note labs are 1-credit hour)		
BIOS 3381	Microbiology Lab	
BIOS 3754	Laboratory in Human Anatomy	
BIOS 3756	Physiology Laboratory	
<b>Total Credit Hours</b>		<b>12</b>