

2019-2020

BIOLOGICAL SCIENCE GRADES 8-12 MAJOR, B.S.

Science & Health Department; School of Science, Health & Mathematics

Asbury is well known for the quality of its education programs, and science teachers are in demand. The Science and Health Department offers majors leading to grades 8-12 certification in either Biology or Chemistry.

To graduate must complete all major requirements, foundational requirements, and additional electives needed for 124 hour minimum degree requirement. This program may require more than 124 credits for a degree due to specific requirements.

MAJOR REQUIREMENTS (90)

3 1 3 1 3 2 1 2	BIO BIO BIO BIO BIO BIO BIO	201 203 202 204 322 341 399 400	General Biology I General Biology Lab I General Biology II General Biology Lab II Genetics Ethical Issues Intro to Bio Research Senior Research	2 1 2 2 1 3 3	ED ED ED ED ED ED ED	ion require 200 201 220 230 301 320 385 401	Intro to Education Struct Inquiry Clinical Tech for Education Human Growth/Development Guided Inquiry Clinical Exceptional Learner Read/Writ Across Curriculum	
3 3 1 1	CHE CHE CHE CHE	121 122 123 124	Gen College Chemistry I Gen College Chemistry II Gen College Chemistry Lab I Gen College Chemistry Lab II	1 3 2 3 2 12	ED ED ED ED ED ED	401 405 410 420 428 499	Open Inquiry Clinical Learning/Perform & Assess Classroom Management Secondary/P-12 Methods Intervention for Differentiation Student Teaching	
3 1	ESC	150	Earth Science					
1	ESC	151	Earth Science Lab	Satisfy	math profi	cionav for	major:	
4	PHY	201	Intro Physics I Lab	Satisfy math proficiency for major: 0 Met by ACT/SAT score of 24/580 OR				
Choose one Environmental Biology:					If MATH ACT/SAT score is below 24/580-			
4	BIO		Environmental Sci	Comple	te:			
	BIO	221+223	Ecology	3-4	MAT MAT	111 112	College Algebra** (transfer only) Precalculus** (transfer only)	
Choose one Plant Biology: MAT 181 Calculus I Lab								
	BIO		Aquatic/Wetland Biology	**Please note that College Algebra and Precalculus do NOT satisfy				
4	BIO	272+274	Principles Plant Biology	the Foundational MAT course requirement.				
Choose one Human Biology:								
4	BIO		Microbiology					
	BIO		Human Anatomy					
Choose 3-4	Choose 2 additional Biology electives not used above: BIO 211+213 Microbiology BIO 262 Human Physiology (3) 3-4 BIO 280 Scientific/Medical Terminology (3)			PLUS FOUNDATIONAL REQUIREMENTS (42) (4 hours Science satisfied by required major courses; Foreign Language not required for B.S. BIOE majors. Degree becomes B.A. with completion of Foreign Language.)				
3-4 3-4	BIO BIO BIO	331+333 352+354	Human Anatomy Physiology Cell & Molecular Biology	Plus electives if needed for the 124 hour degree requirement				
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