

Allied Health Major

The Bachelor of Arts and Bachelor of Science in Allied Health (<http://www.apu.edu/clas/programs/allied-health-major>) provide an environment where undergraduate students can develop a Christian worldview and learn to integrate their faith into their future careers as allied health professionals. The major comprises a rigorous curriculum in modern biology and is also consistent with the requirements for a broad range of allied health careers. Specifically, the B.A. provides most of the prerequisites for careers or graduate work in cytotechnology, entry-level master's in nursing (<http://catalog.apu.edu/graduateprofessional/nursing/entry-level-masters-program/second-degree-program-entry-level-master-science-nursing-elm>), nutrition and dietetics, occupational therapy, orthotics and prosthetics, physical therapy, physical therapy assistant, and radiation technology. The B.S. degree meets most of the prerequisites for careers in chiropractic care, clinical laboratory science, and as a physician assistant. Coursework for the major combines foundational biological, chemical, and physical knowledge with a variety of applied topics including psychology, math, and electives tailored to the student's postgraduate goals.

Note: Entry requirements differ among graduate schools and jobs. Students are responsible to research the requirements of graduate programs and professions in which they are interested.

Bachelor of Arts in Allied Health

- A student must complete all prerequisites for a BIOC, BIOL, or CHEM course with a C- or better before taking the course (except as noted in the course description).
- A minimum cumulative GPA of 2.0 in all biology, chemistry, biochemistry, math, and physics courses required for the major must be maintained.
- A student must complete each BIOC, BIOL, or CHEM course with a C- or higher for the course to meet a degree requirement in the Department of Biology and Chemistry

Code	Title	Units
Biology		
BIOL 151	General Biology I ¹	4
BIOL 240	Biology of Microorganisms	4
BIOL 250	Human Anatomy	4
BIOL 251	Human Physiology	4
BIOL 280	Cell Biology	4
BIOL 396	Topics in Biology and Christian Thought ²	1
BIOL 496	Writing 3: Ethics and the Sciences ³	3
Chemistry		
CHEM 151	General Chemistry I ^{1, 4}	4
CHEM 152	General Chemistry II ⁴	4
Math		
MATH 130	Introduction to Statistics ⁵	3
Physics		
PHYC 151	Physics for Life Sciences I ^{1, 4}	4
PHYC 152	Physics for Life Sciences II ⁴	4
Psychology		
PSYC 110	General Psychology ⁶	3
PSYC 290	Human Growth and Development ⁶	3
Biology Electives		
Select two of the following:		8
BIOL 300	Genetics	
BIOL 326	Neurobiology	
BIOL 410	Molecular Biology	
BIOL 465	Practicum and Topics in Allied Health ⁹	
B.A. Electives		
Select three of the following (at least one must be in PSYC):		9-11
KIN 363	Physiology of Exercise	
KIN 364	Kinesiology	
BIOC 360	Principles of Biochemistry ⁷	

BIOL 395	Science Internship
BIOL 440	Developmental Biology
BIOL 495	Advanced Topics in Biology
BIOL 498	Directed Research
CHEM 240	Introduction to Organic and Biochemistry ⁷
PSYC 345	Psychology of Child and Adolescent Development ⁶
PSYC 355	Psychology of Adult Development
PSYC 360	Abnormal Psychology
PSYC 362	Writing 3: Research Methods in Psychology ³
PSYC 380	Psychology of Personality
PSYC 385	Health Psychology
PSYC 400	Multicultural Psychology ⁸
PSYC 410	Psychology of Exceptional Children
PSYC 432	Psychosocial Interventions in Pediatric Health Care
PSYC 485	Stress and Coping

Total Units

66-68

- 1 Meets the General Education Humanities: Natural Science requirement.
- 2 BIOL 152 meets this requirement if taken at APU.
- 3 Meets the General Education Writing 3 requirement.
- 4 This course may be waived with an appropriate Advanced Placement test score.
- 5 Meets the General Education Quantitative Literacy requirement.
- 6 Meets the General Education Humanities: Social Science requirement.
- 7 CHEM 251, CHEM 261, CHEM 252, CHEM 262, and BIOC 360 taken together meet the requirements of B.A. elective CHEM 240 and an additional B.A. elective. BIOC 360 is an elective option only for students who have completed CHEM 252 and CHEM 262.
- 8 Meets the General Education Intercultural Competence requirement.
- 9 Meets the General Education Integrative and Applied Learning requirement.

Bachelor of Science in Allied Health

Code	Title	Units
Biology		
BIOL 151	General Biology I ¹	4
BIOL 240	Biology of Microorganisms	4
BIOL 250	Human Anatomy	4
BIOL 251	Human Physiology	4
BIOL 280	Cell Biology	4
BIOL 300	Genetics	4
BIOL 396	Topics in Biology and Christian Thought ²	1
BIOL 496	Writing 3: Ethics and the Sciences ³	3
Chemistry		
CHEM 151	General Chemistry I ^{1, 4}	4
CHEM 152	General Chemistry II ⁴	4
CHEM 240	Introduction to Organic and Biochemistry ⁵	4
Mathematics		
MATH 130	Introduction to Statistics ⁶	3
Physics		
PHYC 151	Physics for Life Sciences I ^{1, 4}	4
PHYC 152	Physics for Life Sciences II ⁴	4
Psychology		
PSYC 110	General Psychology ⁷	3
OR		
PSYC 290	Human Growth and Development ⁷	

Sociology

SOC 120	Introduction to Sociology ⁷	3
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Electives

Select one of the following: 4

BIOC 360	Principles of Biochemistry ⁸	
BIOC 380	Biochemistry I ⁸	
BIOC 381	Biochemistry II ⁸	
BIOL 320	Ecology ¹⁰	
BIOL 326	Neurobiology	
BIOL 336	Vertebrate Biology	
BIOL 350	Mammalian Physiology	
BIOL 365	Plant Biology	
BIOL 410	Molecular Biology	
BIOL 465	Practicum and Topics in Allied Health ¹¹	

Select at least 3 units from the following: ² 3

BIOL 342	Medical Microbiology	
BIOL 390	Pre-health Seminar ⁹	
BIOL 391	Medical Missions Practicum ⁹	
BIOL 395	Science Internship	
BIOL 435	Stewardship Ecology	
BIOL 440	Developmental Biology	
BIOL 490	Biology Seminar ⁹	
BIOL 495	Advanced Topics in Biology	
BIOL 497	Readings ⁹	
BIOL 498	Directed Research ⁹	

or an additional 4-unit course from the previous Electives list above

Total Units 64

¹ Meets the General Education Humanities: Natural Sciences requirement.

² BIOL 152 meets this requirement if taken at APU.

³ Meets either the General Education Writing 3.

⁴ This course may be waived with an appropriate Advanced Placement test score.

⁵ CHEM 251, CHEM 261, CHEM 252, CHEM 262, and BIOC 360 taken together meet the requirements for CHEM 240 and a 4-unit BIOL upper-division lab course.

⁶ Meets the General Education Quantitative Literacy requirement.

⁷ Meets the General Education Humanities: Social Science requirement.

⁸ Students should take BIOC 360 if taking only one semester of biochemistry. For a two-semester sequence, BIOC 380 and BIOC 381 should be taken. Credit will not be given for both BIOC 360 and BIOC 380, nor for both BIOC 360 and BIOC 381. BIOC 360 is an elective option only for students who have completed CHEM 252 and CHEM 262.

⁹ Students may take a maximum of 3 units total from BIOL 390, BIOL 391, BIOL 490, BIOL 497, or BIOL 498 for elective credit.

¹⁰ Meets the General Education Civic Knowledge and Engagement requirement.

¹¹ Meets the General Education Integrative and Applied Learning requirement.