

Biomedical Science, Bachelors of Science: Emphasis in Advanced Pre-Physician Assistant, 2025-2027

This degree prepares you for early application to the Union College Physician Assistant Program



Suggested Graduation Plan									
Semester 1					Semester 2				
BIOL	200	General Biology I *+=	5		BIOL	202	General Biology II *+=	5	
BKNA	155	Concepts of Wellness +	2		CHEM	152	General Chemistry II *+=	4	
CHEM	151	General Chemistry I *+=	4		ENGL	110	Writing for General Audiences +	3	
CORE	100	College Success +	1		RELB		Religion - Biblical Studies Gen Ed Elective +°	3	
PSYC	215	Developmental Psychology *+=	3						
Total Credits			15		Total Credits			15	
Semester 3					Semester 4				
BIOL		200-400 level BIOL elective *°	3		BIOL	205	Microbiology *+=	4	
BIOM	201	Professional Development I *	1		BIOL	386	Research Methods - Scientific Inquiry *	1	
BKNT	256	Medical Terminology *	1		BIOM	302	Professional Development II *	1	
CHEM	211	Organic Chemistry I *+=	4		CHEM	212	Organic Chemistry II *+=	4	
ENGL	212	Writing for Scholarly Audiences +	3		COMM		Communicating Effectively Gen Ed Elective +°	2	
MATH	221	Elementary Statistics and Probability °*+=	3		RELT	141	Christian Beliefs °+	3	
Total Credits			15		Total Credits			15	
Semester 5					Semester 6				
BIOL	416	Advanced Human Physiology *+=	4		BIOL	411	Advanced Human Anatomy *+=	4	
CHEM	445	Biochemistry I *+=	4		BIOL		200-400 level BIOL elective *°	3	
HHPA		Physical Activity Elective °+	1		REL		Religion Gen Ed Elective	3	
RELT	306	Biomedical Ethics *+	3				Fine Arts Gen Ed Elective +°	2	
		Engaging Globally Gen Ed Elective °+	3				Literature/Philosophy Gen Ed Elective +°	3	
Total Credits			15		Total Credits			15	
Semester 7					Semester 8				
PHAS	511	Human Anatomy	5		PHAS	518	Psychiatry & Behavioral Medicine	3	
PHAS	514	Medical History & Physical Examination	4		PHAS	525	PA Professional Issues	2	
PHAS	539	Christian Healthcare and Bioethics	3		PHAS	533	Preventative Health	1	
PHAS	558	Medical Physiology	5		PHAS	559	Clinical Pathophysiology	4	
					PHAS	562	Medical Genetics	1	
					PHAS	584	Pharmacology	5	
Total Credits			17		Total Credits			17	

Key

^ Alternate year course | ° Other courses may also meet this requirement. See the Union College Bulletin

* This class is specific to this major | + This satisfies a general education requirement

= This course is a prerequisite for the [NURSING/PA] Program

Notes

128 completed credit hours are required for graduation. 36 hours must be upper division (300 level or above).

This sample guide is intended only to show you how a program might be arranged. Course schedules may change and it is possible that your courses will not be taken exactly in the order shown. Your academic advisor will help you design a program around your educational needs and goals.

Biomedical Science, Bachelors of Science: Emphasis in Advanced Pre-Physician Assistant, 2025-2027

Required courses

General Education Core

Required courses (41 hours)

1. Following Christ

A	RELB 115	Encountering Jesus as Savior	3
or	RELT 110	Intro to Christian Faith and Adventism	3
or	RELT 141	Christian Beliefs	3
B	RELB	(Biblical Studies)	3
C	REL_	Religion Elective	3

2. Thinking Deeply as a Christian

	RELG	(General Studies)	3
or	PLSC 345	Global Environment and International Policy	3
or	RELH 410	History of the Christian Church	4
	RELT 347	World Religions	3

3. Thinking Analytically

A	College-level science with a lab		3
or	BIOL 106	Human Biology	3
B	MATH 111	College Algebra (or above)	3
	or CPTR 226	Computer Science I	4

4. Communicating Effectively

A	COMM 105	Public Speaking	2
or	COMM 205	Introduction to Interpersonal Communication	2
B	ENGL 110	Writing for General Audiences	3
C	ENGL 212	Writing for Scholarly Audiences	3

5. Engaging Globally

A	ANTH, ECON, GEOG, HIST, PLSC, PSYC or SOCI		3
B	GLBL	Engaging Globally electives	3
or	HMNT 376	Critiquing Film in a Global Context	3
or	INRR 300	Social Dimensions of Disaster	3
or	LEAD 425	Experiences in Leadership	3
or	SOCI 405	Social, Economic and Environ. Justice (WR)	3
or	NURS 474	Community Health (WR) <i>Nursing majors only</i>	3
or	additional course chose from category 5A		

6. Living with Purpose and Wonder

A	LITR	Not including children's or young adult lit	3
	or PHIL	Philosophy	
B	ART, HMNT 305, MUHL, MUPF, MUTH or PHOT		2
		(MUPF lessons need 4 credits)	
C	HHPA 155	Concepts of Wellness	2
D	HHPA	Physical activity elective	1

7. College Success

A	CORE 100	College Success)	1
----------	----------	------------------	---

8. Foreign Language (BA degree only)

	Beginning foreign language or ASL in year-long sequence	6
--	---	---

Biomedical Science Core and Cognates

Required courses (95-96 hours)

Core & cognate courses (19-20 hours)

BIOL 200	General Biology I	4
BIOL 202	General Biology II	4
BIOL 386	Research Methods: Scientific Inquiry	1
BIOM 201	Professional Development I	1
BIOM 302	Professional Development II	1
MATH 221	Elementary Statistics and Probability	3
or MATH 331	Statistics and Probability (4)	
RELT 306	Biomedical Ethics	3

Emphasis specific courses

Required courses (42 hours + 34 hours)

Core & cognate courses

BIOL 205	Microbiology	4
BIOL 411	Advanced Human Anatomy	4
BIOL 416	Advanced Human Physiology	4
CHEM 151	General Chemistry I	4
CHEM 152	General Chemistry II	4
CHEM 211	Organic Chemistry I	4
CHEM 212	Organic Chemistry II	4
CHEM/BIOL 445	Biochemistry I	4
or CHEM/BIOL 440	Biochemistry (4)	
PSYC 215	Developmental Psychology	3

Select 6 hours from 200-400-level BIOL courses:

No minor or individualized supporting coursework is required

Physician Assistant Program Courses Applied to the BS Degree

The final 34 credits of science elective courses will be constituted by the first year courses of the PA program

P: 402.486.2600

E: studentsuccess@uau.edu

W: uau.edu/biomedical-science

