

Pre-Professional Health Physician Assistant Programs

The following list will take you to the curriculum maps for each potential pre-professional health major for the physician assistant field:

- [B.S. Biology/Pre-PA](#)
- [B.S. Chemistry/Pre-PA](#)
- [B.S. Molecular Biology and Biotechnology / Pre-PA](#)
- [B.S. Nutrition and Fitness / Pe-PA](#)
- [B.A. Psychology/Pre-Physician Assistant](#)
- [B.S. Psychology/Pre-Physician Assistant](#)
- [BA Sociology/Pre-PA](#)

Tentative Four-Year Plan: BS Biology / Pre-PA

The below is a tentative schedule and assumes the incoming student with the following placements; Pre-Calculus (Math 171) and College Writing II (ENGL 111). It is highly recommended that you consult a pre-professional faculty advisor to adapt the schedule to your particular circumstances.

Please check with specific Physician Assistant programs for pre-requisites not included below. Some possible recommended courses may include: Intro to Nutrition, a 3rd Psychology course, and Medical Terminology

Tentative Four-Year Plan: BS Biology / Pre-PA		
Class	Fall Term	Spring Term
Freshman	BIOL 105: Freshman Biology Seminar BIOL 155: Principles of Biology I BIOL 165: Principles of Biology I Laboratory CHEM 153: General Chemistry I CHEM 163: General Chemistry I Laboratory INQ 1XX Freshman Inquiry Seminar ENG 111: College Writing <div style="text-align: right;">Credits: 15</div>	BIOL 156: Principles of Biology II BIOL 166: Principles of Biology II Laboratory CHEM 154: General Chemistry II CHEM 164: General Chemistry II Laboratory MATH 171: Precalculus PSY 211: General Psychology <div style="text-align: right;">Credits: 15</div>

Summer: Job Shadow, Find Clinical Experience

Sophomore	BIOL 201: Genetics BIOL 203: Cell Biology CHEM 251: Organic Chemistry I CHEM 261: Organic Chemistry I Laboratory MATH 270: Calculus I Gen Ed: NFSS 1XX <div style="text-align: right;">Credits:15</div>	BIOL 202:Principles of Ecology BIOL 341: General Microbiology CHEM 252: Organic Chemistry II CHEM 262: Organic Chemistry II Laboratory Gen Ed: PSY 354 Abnormal Psych -OR- PSY 260 Developmental Psych <div style="text-align: right;">Credits: 14</div>
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Summer: Job Shadow, Clinical Experience, GRE Prep

Junior	BIOL 251: Human Anatomy & Physiology I BIOL 261: Human Anatomy & Physiology I Lab PH 251: General Physics I BCHM 453: Biochemistry SOC 211: Principles of Sociology NFSS 111: Health Education <div style="text-align: right;">Credits: 16</div>	BIOL 252: Human Anatomy & Physiology II BIOL 262: Human Anatomy & Physiology II Lab PH 252: General Physics II BIOL Elective (BIOL 300+) MATH 221: Elem. Applied Stats Gen Ed: English <div style="text-align: right;">Credits: 17</div>
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Summer: Take GRE, Clinical Experience, and Submit Application

Senior	BIOL Elective (BIOL 300+) BIOL Elective (BIOL 300+) Gen Ed: Elective (as needed) Gen Ed: Elective (as needed)	BIOL Elective (BIOL 300+) Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Gen Ed: Elective (as needed)
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	Gen Ed: Elective (as needed) Credits: 15-17	Gen Ed: Elective (as needed) Credits: 15-16
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Tentative Four-Year Plan: BS Chemistry / Pre-PA

The below is a tentative schedule and assumes the incoming student with the following placements; Pre-Calculus (Math 171) and College Writing II (ENGL 111). It is highly recommended that you consult a pre-professional faculty advisor to adapt the schedule to your particular circumstances.

Please check with any specific Physical Assistant program requirements not covered below. Some possible recommended courses would include the following: Intro to Nutrition, a 3rd Psychology course, and Medical Terminology

Tentative Four-Year Plan: BS Chemistry / Pre-PA		
Class	Fall Semester	Spring Semester
Freshman	CHEM 151: Chemical Principles I CHEM 161: Chemical Principles Lab MATH 171: Precalculus BIOL 155: Principles of Biology I BIOL 165: Principles of Biology I Lab INQ 1XX: Freshman Inquiry Seminar Credits: 15	CHEM 152: Chemical Principles II CHEM 162: Chemical Principles. II Lab MATH 270: Calculus I BIOL 156: Principles of Biology II BIOL 166: Principles of Biology II Lab ENG 111: College Writing Credits: 15

Summer: Job Shadow, Find Clinical Experience

Sophomore	CHEM 251: Organic Chemistry I CHEM 261: Organic Chemistry I Lab MATH 271: Calculus II PH 251: General Physics I OR PH 258: Introduction to Physics I PH 268: Introduction to Physics I Lab PSY 211: General Psychology Gen Ed: English Credits: 18	CHEM 252: Organic Chemistry II CHEM 262: Organic Chemistry II Lab CHEM 265: Inorganic Chemistry I CHEM 266: Inorganic Chemistry I Lab PH 252: General Physics II OR PH 258: Introduction to Physics II PH 268: Introduction to Physics II Lab Gen Ed: Psychology (PSY 354 Abnormal Psych or PSY 260 Developmental Psych) Credits: 15
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Summer: Job Shadow, Clinical Experience, GRE Prep

Junior	CHEM 353: Analytical Chemistry I CHEM 363: Analytical Chemistry I Lab CHEM 366: Inorganic Chemistry II CHEM 367: Inorganic Chemistry II Lab BIOL 251: Anatomy and Physiology BIOL 261: Anatomy and Physiology Lab Gen Ed: Elective (as needed) Credits: 15	CHEM 358 Analytical Chemistry II CHEM 368 Analytical Chemistry II Lab CHEM 257 Organic Spectroscopy BIOL 251: Anatomy and Physiology BIOL 261: Anatomy and Physiology Lab Gen Ed: Elective (as needed) Credits: 14
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Summer: Take GRE, Clinical Experience, and Submit Application

Senior	CHEM 354: Physical Chemistry I CHEM 364 Physical Chemistry I Lab BCHM 453 Biochemistry I BCHM 463 Biochemistry Lab Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Gen Ed: NFSS 1XX Credits: 15	CHEM 355 Physical Chemistry II CHEM 470 Chemistry Seminar NFSS 111: Health Education Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Credits: 14
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Tentative Four-Year Plan: BS Molecular Biology and Biotechnology / Pre-PA

The below is a tentative schedule and assumes the incoming student with the following placements; Pre-Calculus (Math 171) and College Writing II (ENGL 111). It is highly recommended that you consult a pre-professional faculty advisor to adapt the schedule to your particular circumstances.

Please check with any specific Physical Assistant program requirements not covered below. Some possible recommended courses would include the following: Intro to Nutrition, a 3rd Psychology course, and Medical Terminology

Class	Fall Term	Spring Term
Freshman	BIOL 105: Freshman Biology Seminar BIOL 155: Principles of Biology I BIOL165: Principles of Biology I Laboratory CHEM 153: General Chemistry I CHEM 163: General Chemistry I Laboratory INQ 1XX: Freshman Inquiry Seminar ENG 111: College Writing <div style="text-align: right;">Credits: 15</div>	BIOL 156: Principles of Biology II BIOL 166: Principles of Biology II Laboratory CHEM 154: General Chemistry II CHEM:164: General Chemistry II Laboratory MATH 171: Precalculus PYSH 211: General Psychology <div style="text-align: right;">Credits: 15</div>

Summer: Job Shadow, Find Clinical Experience

Sophomore	BIOL 201: Genetics BIOL 203: Cell Biology CHEM 251: Organic Chemistry I CHEM 261: Organic Chemistry I Laboratory SOC 211: Principles of Sociology NFSS 111: Health Education <div style="text-align: right;">Credits:15</div>	BIOL 341: General Microbiology CHEM 252: Organic Chemistry II CHEM 262: Organic Chemistry II Laboratory MATH 270: Calculus I Gen Ed: Psychology (PSY 354 Abnormal Psych or PSY 260 Developmental Psych) <div style="text-align: right;">Credits: 15</div>
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Summer: Job Shadow, Clinical Experience, GRE Prep

Junior	BIOL 251:Anatomy and Physiology I BIOL 261: Anatomy and Physiology I Laboratory PH 251: General Physics I BCHM 453: Biochemistry BCHM 463: Biochemistry Lab BIOL 483: Molecular Biology <div style="text-align: right;">Credits: 16</div>	BIOL 252: Anatomy and Physiology II BIOL 262: Anatomy and Physiology Laboratory II PH 252: General Physics II Gen Ed: Elective (as needed) MATH 221: Statistics <div style="text-align: right;">Credits: 14</div>
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Summer: Take GRE, Clinical Experience, and Submit Application

Senior	BIOL Elective (BIOL 300+) BIOL Elective (BIOL 300+) Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Gen Ed: Elective (as needed)	BIOL 485: Biotechnology BIOL 450: Cell Physiology Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Personal Performance: 1 Cr PE
	Credits: 15-17	Credits: 15

Tentative Four Year Plan: BS Nutrition and Fitness / Pre-PA

The below is a tentative schedule and assumes the incoming student with the following placements; Pre-Calculus (Math 171) and College Writing II (ENGL 111). It is highly recommended that you consult a pre-professional faculty advisor to adapt the schedule to your particular circumstances.

Please check with specific Physician Assistant programs for pre-requisites not included below. Some possible recommended courses may include: Intro to Nutrition, a 3rd Psychology course, and Medical Terminology

Tentative Four Year Plan: BS Nutrition and Fitness / Pre-PA		
Class	Fall Term	Spring Term
Freshman	BIOL 155: Principals of Biology I BIOL 165: Principals of Biology I Laboratory CHEM 205: Nutrition I ENG 111: College Writing INQ 1XX: Freshman Inquiry Seminar NFSS 160: Intro. to Nutrition and Fitness <div style="text-align: right;">Credits: 16</div>	CHEM 153: General Chemistry I CHEM 163: General Chemistry I Laboratory COM 113: Public Speaking MATH 221: Elementary Applied Statistics NFSS 111: Health Education NFSS: Elective in major PSY 211: General Psychology <div style="text-align: right;">Credits: 18</div>

Summer: Job Shadow, Find Clinical Experience

Sophomore	BIOL 251: Human Anatomy & Physiology I BIOL 261: Human Anatomy & Physiology I Lab CHEM 154: General Chemistry II CHEM 164: General Chemistry II Laboratory ENG 1XX: (student choice) NFSS 402: N&F Seminar 2 NFSS: Elective in major <div style="text-align: right;">Credits: 17</div>	BIOL 201: Genetics BIOL 252: Human Anatomy & Physiology II BIOL 262: Human Anatomy & Physiology II Lab NFSS 334: Food, Fitness, Wgt. Management NFSS 407: Physiological Found. Of Coaching *PSY 301: Abnormal Psych OR PSY 310: Developmental Psych* <div style="text-align: right;">Credits: 16</div>
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Summer: Job Shadow, Clinical Experience

Junior	BIO 203: Cell Biology CHEM 251: Organic Chemistry I CHEM 261: Organic Chemistry I Lab NFSS 421: Nutrition II NFSS: Elective in major NFSS: Personal Performance PHIL 301: Bioethics <div style="text-align: right;">Credits: 17</div>	BIOL 341: General Microbiology CHEM 252: Organic Chemistry II CHEM 262: Organic Chemistry II Lab NFSS 425: Nut. Assess & Counsel NFSS 426: Nut & Fit Through the Lifecycle NFSS 431: Fit Assess & Prescription <div style="text-align: right;">Credits: 16</div>
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Summer: Job Shadow, Clinical Experience, GRE Prep

Senior	AH 101: Medical Terminology BCHM 453: Biochemistry Gen Ed: Arts & Humanities NFSS 429: Nutrition Education PH 251: General Physics I Credits: 16	AH 301: Research Methods NFSS 449: Internship in Nutrition and Fitness NFSS: Elective in major NFSS: Elective in major PH 252: General Physics II Credits: 16
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Summer: Take GRE, Clinical Experience, and Submit Application

Note – This tentative academic plan assumes that the required course for the pre-professional programs will not be completed until after graduation. Thus the student will apply after graduation and have a gap/push year before matriculating into an appropriate pre-professional program. Please consult your pre-professional advisor for the feasibility of completing the program requirements in three years and thus apply before graduation.

Tentative Four-Year Plan: BA Psychology/Pre-Physician Assistant

The below is a tentative schedule and assumes the incoming student with the following placements; Pre-Calculus (Math 171) and College Writing II (ENGL 111). It is highly recommended that you consult a pre-professional faculty advisor to adapt the schedule to your particular circumstances.

Please check with specific Physician Assistant programs for pre-requisites not included below. Some possible recommended courses may include: Intro to Nutrition, a 3rd Psychology course, and Medical Terminology

Tentative Four-Year Plan: BA Psychology/Pre-Physician Assistant		
Class	Fall Term	Spring Term
Freshman	BIOL 155: Principles of Biology I BIOL 165: Principles of Biology I Laboratory ENG 110 or 111: Writing PSY 211: General Psychology SPAN 151/FR 151: Spanish I/French I INQ 1XX Freshman Inquiry Seminar Credits: 16	BIOL 156: Principles of Biology II BIOL 166: Principles of Biology II Laboratory MATH 171: Pre-calculus ENG 111 or advanced writing course PSY 310: Developmental Psychology SPAN 152/FR 152: Spanish II/French II Credits: 17

Summer: Job Shadow, Find Clinical Experience

Sophomore	CHEM 153: General Chemistry I CHEM 163: General Chemistry I Laboratory MATH 270: Calculus I PH 251: General Physics I PSY 301: Statistics SPAN 251/FR 251: Spanish III/French III Gen Ed: NFSS 1XX Credits: 18	CHEM 154: General Chemistry II CHEM 164: General Chemistry II Laboratory PH 252: General Physics II PSY 311: Research Methods PSY 354: Abnormal Psychology SPAN 252/FR 252: Spanish IV/French IV NFSS 111: Health Education Credits: 18
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Summer: Job Shadow, Clinical Experience, GRE Prep

Junior	CHEM 251: Organic Chemistry CHEM 261: Organic Chemistry Laboratory MATH 271: Calculus II PSY 355: Social Psychology PSY 3XX: Elective PSY 3XX: Elective Credits: 17	CHEM 252: Organic Chemistry II CHEM 262: Organic Chemistry II Laboratory PHIL 111: Critical Thinking PS 211: American Government PSY 3XX: Elective PSY Elective Credits: 16
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Summer: Job Shadow, Clinical Experience, GRE Prep

Senior	ECON 221 or 222: Micro or Macro Economics BCHM 453: Biochemistry BCHM 463: Biochemistry Lab PSY 470: Senior Seminar PSY Elective Gen Ed: Elective (as needed) Credits: 16	AH 101: Medical Terminology ATSW 336: Introduction to Nutrition and Fitness Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Credits: 15
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Summer: Take GRE and Submit Application

Note – This tentative academic plan assumes that the required course for physical therapy programs will not be completed until after graduation. Thus the student will apply after graduation and have a gap/push year before matriculating into a physical therapy program. Please consult your pre-professional advisor for the feasibility of completing the physical therapy requirements in three years and thus apply before graduation.

Tentative Four-Year Plan: BS Psychology/Pre-Physician Assistant

The below is a tentative schedule and assumes the incoming student with the following placements; Pre-Calculus (Math 171) and College Writing II (ENGL 111). It is highly recommended that you consult a pre-professional faculty advisor to adapt the schedule to your particular circumstances.

Please check with specific Physician Assistant programs for pre-requisites not included below. Some possible recommended courses may include: Intro to Nutrition, a 3rd Psychology course, and Medical Terminology

Tentative Four-Year Plan: BS Psychology/Pre-Physician Assistant		
Class	Fall Term	Spring Term
Freshman	BIOL 155: Principles of Biology 1 BIOL 165: Principles of Biology I Laboratory ENG 110 or 111: Writing PSY 211: General Psychology General Education Skills Course INQ 1XX Freshman Inquiry Seminar Credits: 16	BIOL 156: Principles of Biology II BIOL 166: Principles of Biology II Laboratory MATH 171: Pre-calculus ENG 111 or advanced writing course PSY 310: Developmental Psychology General Education Skills Course Credits: 17

Summer: Job Shadow, Find Clinical Experience

Sophomore	CHEM 153: General Chemistry I CHEM 163: General Chemistry I Laboratory MATH 270: Calculus I PH 251: General Physics I PSY 301: Statistics General Education Arts and Humanities Course Gen Ed: NFSS 1XX Credits: 18	CHEM 154: General Chemistry II CHEM 164: General Chemistry II Laboratory PH 252: General Physics II PSY 311: Research Methods PSY 354: Abnormal Psychology General Education Arts and Humanities Course NFSS 111: Health Education Credits: 18
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Summer: Job Shadow, Clinical Experience, GRE Prep

Junior	CHEM 251: Organic Chemistry CHEM 261: Organic Chemistry Laboratory MATH 271: Calculus II PSY 355: Social Psychology PSY 351: Biopsychology PSY 3XX: Elective Credits: 17	CHEM 252: Organic Chemistry II CHEM 262: Organic Chemistry II Laboratory PHIL 111: Critical Thinking PS 211: American Government PSY 3XX: Elective PSY 454: Personality Credits: 16
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Summer: Job Shadow, Clinical Experience, GRE Prep

Senior	ECON 221 or 222: Micro or Macro Economics PHIL 212: Ethics PSY 470: Senior Seminar PSY Elective BCHM 453: Biochemistry BCHM 463: Biochemistry Lab Credits: 16	AH 101: Medical Terminology PSY Elective PSY Elective Gen Ed: Elective (as needed) Gen Ed: Elective (as needed) Credits: 15
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Summer: Take GRE, Clinical Experience, and Submit Application

Note – This tentative academic plan assumes that the required course for physical therapy programs will not be completed until after graduation. Thus the student will apply after graduation and have a gap/push year before matriculating into a physical therapy program. Please consult your pre-professional advisor for the feasibility of completing the physical therapy requirements in three years and thus apply before graduation.

Tentative Four-Year Plan: BA Sociology/Pre-PA

The below is a tentative schedule and assumes the incoming student with the following placements; Pre-Calculus (Math 171) and College Writing II (ENGL 111). It is highly recommended that you consult a pre-professional faculty advisor to adapt the schedule to your particular circumstances.

Please check with any specific Physical Assistant program requirements not covered below. Some possible recommended courses would include the following: Intro to Nutrition, a 3rd Psychology course, and Medical Terminology

Tentative Four-Year Plan: BA Sociology/Pre-PA		
Class	Fall Term	Spring Term
Freshman	BIOL 155: Principles of Biology I BIOL 165: Principles of Biology I Laboratory ENG 111: College Writing SOC 211: Principles of Sociology SPAN 151/FR 151 or CIS 110: Spanish I/French I or Computer Information Processing INQ 1XX Freshman Inquiry Seminar <div style="text-align: right;">Credits: 16</div>	BIOL 156: Principles of Biology II BIOL 166: Principles of Biology II Laboratory ANTH 211: Humans and Culture MATH 221: Elementary Applied Statistics PS 211: American Government SPAN 152/FR 152 or CIS 202: Spanish II/French II or Intro Event Drive Program <div style="text-align: right;">Credits: 16</div>

Summer: Job Shadow, Find Clinical Experience

Sophomore	CHEM 153: General Chemistry I CHEM 163: General Chemistry I Laboratory GEN ED: English Composition PH 251: General Physics I SOC 310 or SOC 312: Classical Social Theory or Microsociology SPAN 251/FR 251 or CIS 217: Spanish III/French III or Application of Microcomputers <div style="text-align: right;">Credits: 16</div>	CHEM 154: General Chemistry II CHEM 164: General Chemistry II Laboratory PSY 211: General Psychology PH 252: General Physics II SOC Elective SPAN 252/FR 252 or CIS 301: Spanish IV/French IV or Computer Systems Analysis <div style="text-align: right;">Credits: 16</div>
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Summer: Job Shadow, Clinical Experience, GRE Prep

Junior	CHEM 251: Organic Chemistry CHEM 261: Organic Chemistry Laboratory PSY 354: Abnormal Psychology OR PSY 260: Developmental Psychology SOC 450 or SOC 451: Research Methods SOC Elective SOC/SW Elective Credits: 16	AH 101: Medical Terminology CHEM 252: Organic Chemistry II CHEM 262: Organic Chemistry II Laboratory PHIL 111: Critical Thinking SOC Elective SOC/SW Elective Credits: 16
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Summer: Take GRE, Clinical Experience, and Submit Application

Senior	BIOL 251: Anatomy & Physiology I BIOL 252: Anatomy & Physiology I Lab COM 113: Public Speaking ECON 221 or 222: Micro/Macro Economics GEN ED: Arts & Humanities SOC/SW Elective Credits: 16	BIOL 261: Anatomy & Physiology II BIOL 262: Anatomy & Physiology II Lab GEN ED: Personal Performance HPE 111: Health Education PHIL 212: Ethics SOC Elective SOC/SW Elective Credits: 16
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