









## 2020-2021 Pre-Professional Health Program Course Recommendations

Students should check admissions requirements and recommendations of individual professional programs to assure completion of prerequisites.

*Strongly recommended* and *recommended* courses are more likely to vary amongst individual programs in each profession.

	<i>Doctoral</i>					<i>Doctoral &amp; Masters</i>	<i>Masters</i>		
	<b>DENTISTRY</b> (DMD, DDS) 	<b>MEDICINE</b> (MD, DO, DPM, DC, ND) 	<b>OPTOMETRY</b> (OD) 	<b>PHARMACY</b> (PHARM D) 	<b>PHYSICAL THERAPY</b> (DPT) 	<b>VETERINARY MEDICINE</b> (DVM) 	<b>OCCUPATIONAL THERAPY</b> (OTD/MSOT) 	<b>PHYSICIAN ASSISTANT</b> (MPAS) 	<b>ATHLETIC TRAINING</b> (MAT)
<b>BIOLOGY</b>	<b>Foundations I-II</b> BIO 140 BIO 150  <b>≥ 16 credits</b> <u>Strongly Recommended</u> Microbiology (245) <sup>FSp</sup> Human Anatomy (290) Animal Physiology (370) <sup>FSp</sup> <u>Recommended</u> Genetics (240) <sup>FSp</sup> Cell & Molec Bio (304) <sup>Sp</sup> Histology (482) <sup>Sp</sup>	<b>Foundations I-II</b> BIO 140 BIO 150  <b>≥ 12 credits</b> <u>Strongly Recommended</u> Genetics (240) <sup>FSp</sup> Microbiology (245) <sup>FSp</sup> Cell & Molec Bio (304) <sup>Sp</sup> Animal Physiology (370) <sup>FSp</sup>	<b>Foundations I-II</b> BIO 140 BIO 150  <b>Human Physiology and Anatomy</b> BIO 270 BIO 290  <b>Microbiology</b> BIO 245  <b>≥ 4 credits</b> <u>Strongly Recommended</u> Genetics (240) <sup>FSp</sup> Cell & Molec Bio (304) <sup>Sp</sup> Immunology (343) <sup>FSp</sup> Histology (482) <sup>Sp</sup>	<b>Foundations I-II</b> BIO 140 BIO 150  <b>Human Physiology and Anatomy</b> BIO 270 BIO 290  <b>Microbiology</b> BIO 245  <b>≥ 4 credits</b> <u>Strongly Recommended</u> Genetics (240) <sup>FSp</sup> Cell & Molec Bio (304) <sup>Sp</sup> Immunology (343) <sup>FSp</sup> Molec Biology (480) <sup>FSp</sup>	<b>Foundations I-II</b> BIO 140 BIO 150  <b>Human Physiology and Anatomy</b> BIO 270*** BIO 290***  <b>Microbiology</b> BIO 245  <b>≥ 13 credits</b> <u>Strongly Recommended</u> Cell & Molec Bio (304) <sup>Sp</sup> Comp Anatomy (320) <sup>Sp</sup> Animal Physiology (370) <sup>FSp</sup> <u>Recommended</u> Immunology (343) <sup>FSp</sup> Med Parasitology (420) <sup>FSp</sup> Molec Biology (480) <sup>FSp</sup> Histology (482) <sup>Sp</sup>	<b>Foundations I-II</b> BIO 140 BIO 150  <b>Genetics</b> BIO 240  <b>Microbiology</b> BIO 245  <b>≥ 13 credits</b> <u>Strongly Recommended</u> Cell & Molec Bio (304) <sup>Sp</sup> Comp Anatomy (320) <sup>Sp</sup> Animal Physiology (370) <sup>FSp</sup> <u>Recommended</u> Immunology (343) <sup>FSp</sup> Med Parasitology (420) <sup>FSp</sup> Molec Biology (480) <sup>FSp</sup> Histology (482) <sup>Sp</sup>	<b>Human Physiology and Anatomy</b> BIO 270*** BIO 290***  <u>Recommended</u> ≥ 3 credits of Introductory Biology BIO 140 or BIO 103	<b>Foundations I-II</b> BIO 140 BIO 150  <b>Human Physiology and Anatomy</b> BIO 270*** BIO 290***  <b>Microbiology</b> BIO 245  <b>≥ 4 credits</b> <u>Strongly Recommended</u> Genetics (240) <sup>FSp</sup> <u>Recommended</u> Cell & Molec Bio (304) <sup>Sp</sup> Immunology (343) <sup>FSp</sup> Histology (482) <sup>Sp</sup>	<b>Foundations I</b> BIO 140  <b>Human Physiology and Anatomy</b> BIO 270 BIO 290
<b>CHEMISTRY</b>	<b>General Chem I-II</b> CHEM 131 & 131L CHEM 132 & 132L  <b>Organic Chem I-II</b> CHEM 241 <sup>Fsu</sup> CHEM 242 & 242L <sup>SpSu</sup>  <b>Biochemistry</b> CHEM 361 <sup>FSp</sup>	<b>General Chem I-II</b> CHEM 131 & 131L CHEM 132 & 132L  <b>Organic Chem I-II</b> CHEM 241 <sup>Fsu</sup> CHEM 242 & 242L <sup>SpSu</sup>  <b>Biochemistry</b> CHEM 361 <sup>FSp</sup>	<b>General Chem I-II</b> CHEM 131 & 131L CHEM 132 & 132L  <b>Organic Chem I-II</b> CHEM 241 <sup>Fsu</sup> CHEM 242 & 242L <sup>SpSu</sup>  <b>Biochemistry</b> CHEM 361 <sup>FSp</sup>	<b>General Chem I-II</b> CHEM 131 & 131L CHEM 132 & 132L  <b>Organic Chem I-II</b> CHEM 241 <sup>Fsu</sup> CHEM 242 & 242L <sup>SpSu</sup>  <b>Biochemistry</b> CHEM 361 <sup>FSp</sup> (366L <sup>Sp</sup> recommended)	<b>General Chem I-II</b> CHEM 131 & 131L CHEM 132 & 132L  <b>Organic Chem I-II</b> CHEM 241 <sup>Fsu</sup> CHEM 242 & 242L <sup>SpSu</sup>  <b>Biochemistry</b> CHEM 361 <sup>FSp</sup> (366L <sup>Sp</sup> recommended)	<b>General Chem I-II</b> CHEM 131 & 131L CHEM 132 & 132L  <b>Organic Chem I-II</b> CHEM 241 <sup>Fsu</sup> CHEM 242 & 242L <sup>SpSu</sup>  <b>Biochemistry</b> CHEM 361 <sup>FSp</sup> (366L <sup>Sp</sup> recommended)	Chemistry prerequisite for Human Physiology: CHEM 120 or CHEM 131 & 131L	<b>General Chem I-II</b> CHEM 131 & 131L CHEM 132 & 132L  <b>Organic Chem I</b> CHEM 241 <sup>Fsu</sup> , and 241L <sup>Fsu</sup> or 242L <sup>SpSu</sup>  <b>Biochemistry</b> CHEM 260 <sup>Sp</sup> & 260L <sup>Sp</sup> , or CHEM 361 <sup>FSp</sup>	<b>General Chem I</b> CHEM 131 & 131L
<b>PHYSICS</b>	<b>College Physics I-II</b> PHYS 140 & 140L PHYS 150 & 150L <sup>SpSu</sup>	<b>College Physics I-II</b> PHYS 140 & 140L PHYS 150 & 150L <sup>SpSu</sup>	<b>College Physics I-II</b> PHYS 140 & 140L PHYS 150 & 150L <sup>SpSu</sup>	<b>College Physics I-II</b> PHYS 140 & 140L PHYS 150 & 150L <sup>SpSu</sup>	<b>College Physics I-II</b> PHYS 140 & 140L PHYS 150 & 150L <sup>SpSu</sup>	<b>College Physics I-II</b> PHYS 140 & 140L PHYS 150 & 150L <sup>SpSu</sup>	<b>College Physics I</b> PHYS 140 & 140L or Biomechanics HTH 441/KIN 407 <sup>FSp</sup> or KIN 306 & 306L		<b>College Physics I</b> PHYS 140 & 140L
<b>MATH</b>	<b>Mathematics</b> 6 credits  <u>Strongly Recommended</u> 3 credits of Statistics 3-4 credits of Calculus	<b>Statistics</b> MATH 220 or MATH 229  <b>Calculus</b> 3-4 credits: MATH 205, 231, 233, or 235	<b>Statistics</b> MATH 220 or MATH 229  <b>Calculus</b> 3-4 credits: MATH 205, 231, 233, or 235	<b>Statistics</b> MATH 220 or MATH 229  <b>Calculus</b> 3-4 credits: MATH 205, 231, 233, or 235	<b>Statistics</b> MATH 220 or MATH 229  <u>Recommended</u> Calculus: MATH 205, 231, 233, or 235	<b>Statistics</b> MATH 220 or MATH 229  <b>Calculus</b> 3-4 credits: MATH 205, 231, 233, or 235	<b>Statistics</b> MATH 220 or MATH 229  <b>Calculus</b> 3-4 credits: MATH 205, 231, 233, or 235	<b>Statistics</b> MATH 220 or MATH 229  <u>Recommended</u> 3 additional credits of Mathematics	<b>Statistics</b> MATH 220 or MATH 229

	DENTISTRY	MEDICINE	OPTOMETRY	PHARMACY	PHYSICAL THERAPY	VETERINARY MEDICINE	OCCUPATIONAL THERAPY	PHYSICIAN ASSISTANT	ATHLETIC TRAINING
SOCIAL & BEHAVIORAL SCIENCES	<p>≥ 3 credits Psychology or Sociology</p>	<p><b>Psychology</b> 3 credits of PSYC <u>Recommended:</u> Gen Psychology (101) or Life Span Human Development (160)</p> <p><b>Sociology</b> 3 credits of SOCI <u>Recommended:</u> Global Context (SOCI 110) Microsociology (SOCI 140)</p> <p><b>3 credits</b> of ANTH or PSYC or SOCI <u>Recommended:</u> Health Psychology (PSYC 308), Med Sociology (SOCI 375), Mental Health &amp; Illness, (SOCI 385), Med Anthropology (ANTH360)</p>	<p><b>Psychology</b> Gen Psychology (101)</p>	<p><b>Psychology</b> 3 credits of PSYC <u>Recommended:</u> Gen Psychology (101) <u>Additional Option:</u> Life Span Human Development (160)</p> <p><b>Sociology</b> 3 credits of SOCI <u>Recommended:</u> Global Context (SOCI 110) Microsociology (SOCI 140)</p> <p><b>Economics</b> 3 credits of ECON <u>Recommended:</u> Microeconomics (201) <u>Optional:</u> Macroeconomics (200)</p>	<p><b>Psychology</b> ≥ 6 credits of PSYC Gen Psychology (101) Life Span Human Development (160) Abnormal Psychology (250 or 335**)</p> <p><u>GenEd Cluster 4 Recommendation</u> Global Context (SOCI 110)</p>	<p><u>GenEd Cluster 5 Recommendation</u> Gen Psychology (PSYC 101)</p>	<p><b>Psychology</b> Gen Psychology (101) Life Span Human Development (160) Abnormal Psychology (250 or 335**)</p> <p><b>Sociology</b> 3 credits of SOCI <u>Recommended:</u> Global Context (110) Microsociology (140)</p> <p><b>Anthropology</b> Cultural Anthropology (ANTH 195)</p>	<p><b>Psychology</b> ≥ 6 credits of PSYC <u>Recommended:</u> Gen Psychology (101) Life Span Human Development (160) Abnormal Psychology (250 or 335**)</p> <p>Check individual PA program requirements.</p>	<p><b>Psychology</b> Gen Psychology (101)</p>
COMMUNICATION	<p><b>Writing</b> WRTC 103</p> <p><b>Literature</b> Any Cluster 2 English or Great Works (HUM 200)</p>	<p><b>Writing</b> WRTC 103</p> <p><b>Literature</b> Any Cluster 2 English or Great Works (HUM 200)</p>	<p><b>Writing</b> WRTC 103</p> <p><b>Literature</b> Any Cluster 2 English or Great Works (HUM 200)</p>	<p><b>Writing</b> WRTC 103</p> <p><b>Literature</b> Any Cluster 2 English or Great Works (HUM 200)</p> <p><b>Communication</b> 3 credits of Public Speaking SCOM 121, 122 or 123</p>	<p><b>Writing</b> WRTC 103</p> <p><b>Literature</b> Any Cluster 2 English or Great Works (HUM 200)</p>	<p><b>Writing</b> WRTC 103</p> <p><b>Literature</b> Any Cluster 2 English or Great Works (HUM 200)</p> <p><u>Recommended</u> 3 credits of Public Speaking SCOM 121, 122 or 123</p>	<p><b>Writing</b> WRTC 103</p> <p><b>Literature</b> Any Cluster 2 English or Great Works (HUM 200)</p>		<p><b>Writing</b> WRTC 103</p> <p><b>Literature</b> Any Cluster 2 English or Great Works (HUM 200)</p>
HEALTH & KINESIOLOGY					<p>≥ 3 credits Exercise Physiology (KIN 302**) Medical Terminology (HTH 210*)</p> <p><u>Recommended</u> Biomechanics HTH 441/KIN407**, KIN 306**, or BIO 490</p>	<p><u>Recommended</u> Medical Terminology HTH 210</p>	<p><b>Med Terminology</b> HTH 210*</p>	<p><b>Med Terminology</b> HTH 210*</p>	<p><b>Med Terminology</b> HTH 210*</p> <p><b>Exercise Physiology</b> KIN 302 + 302L</p> <p><b>Nutrition</b> NTR 280</p> <p><b>Biomechanics</b> KIN 306+306L or HTH441/KIN 407</p>
OPTIONAL		<p><u>Recommended</u> Cluster 1 &amp; MCAT prep: Critical Thinking (PHIL 120)</p>					<p><u>Recommended</u> Cluster 1 &amp; Ethics: Ethical Reasoning (PHIL 150)</p>		<p><u>Recommended:</u> Career Exploration: Introduction to Athletic Training (ATEP 205)</p>

\* Declaration of PPH minor does not give enrollment access for class during advanced registration; PPH minor given enrollment access during open enrollment.

\*\* Declaration of PPH minor does not give access to course; declaration in select major and minor programs are required.

\*\*\* Admissions committees place heavy emphasis on these Biology courses. Students are encouraged to take math and 100-level Biology courses first. Students are *strongly* encouraged to take at a 4-year institution.

F Course offered in Fall Semester

<sup>SP</sup> Course offered in Spring Semester

<sup>Su</sup> Course offered in Summer Session