

Pre-Health Prerequisite Course Grid

Doctoral Programs

*Updated Summer 2024

UAH Course		Medical (MD/DO/DPM)	Naturopathic Medicine	Dental	Veterinary	Pharmacy	Physical Therapy	Optometry	Chiropractic	Audiology
Biology	Gen Bio I: BYS 119/121	X	X	X	X	X	X	X	X	X
	Gen Bio II: BYS 120/122	X	X	X	X	X	X	X	X	X
	Genetics: BYS 219/222	R	X	X	X	X		R		
	Microbiology: BYS 321	R	R	X	X	X		X		
	A&P: BYS 313/314	X (MCAT)	R	X (DAT)	R	X	X		R	
	Cell Biology: BYS 300	R	X	R	X					
Chemistry	GenChem I: CH 121/125	X	X	X	X	X	X	X	X	X
	GenChem II: CH 123/126	X	X	X	X	X	X	X	X	X
	Organic I: CH 331/335	X	X	X	X	X		X	R	
	Organic II: CH 332/336	X	X	X	X	X		X	R	
	Biochem: CH/BYS 361	X (MCAT)	X	X	X	X		X	R	
Math	Calculus I*	X		X	R	X	R	X		R
	Statistics**	X : MA 281		X : MA 281		X : MA 281	X : MA 281	X : MA 281		X : MA 281 or PY 300
	Other Math	R: MA 172	X : MA 112+	R : MA 172	X : MA 115		X : MA 115		X : MA 112+	X : MA 112+
Physics	Physics I: PH 101 or PH 111/114	X	X	X	X	X	X	X	R	X
	Physics II: PH 102 or PH 112/115	X	X	X	X		X	X	R	X
Psychology	Intro Psych: PY 101	X (MCAT)	X	R	R	R	X	X	X	X
	Upper Division PY	R : PY 201	R : PY 201	R : PY 201		R : PY 201	X : PY 201			R : PY 201
Other		X : SOC 100 (MCAT) R : BYS 430 R : BYS 363/365	X : SOC 100	R : ARS 160 or ARS 1xx (may be required) R : BYS 430 R : SOC 100	R : Animal Nutrition course (may be required at some schools) R : BYS 430	X : PHL 102 X : CM 113 X : HPE R : BYS 430	X : BYS 320 R : SOC 100 R : KIN 419	X : 2 semesters in PY, SOC, HY, ECN, or PSC		R : SOC 100 R : MGT 310 R : ESL 410

X = Required course

R = Recommended course (not required at all schools, but may be required at some)

Note that policies on AP, IB, community colleges, etc. vary by school. Students are responsible for knowing the required prerequisite courses for the schools of your choice.

• MA 171 or equivalent

** PY 300 or SOC 305 may be equivalent



**OFFICE OF PRE-HEALTH
PROFESSIONS ADVISING**

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Pre-Health Prerequisite Course Grid

Master's Programs

*Updated Summer 2024

UAH Course		Speech-Language Pathology	Public Health	Genetic Counseling	Athletic Training	Anesthesiology Assistant	Physician Assistant	Occupational Therapy	Nursing
Biology	GenBio I: BYS 119/121	X	X	X	X	X	X	X	X
	GenBio II: BYS 120/122	X		X		X	X	X	
	Genetics: BYS 219/222			X		R	R		
	Microbiology: BYS 321			X		R	X		
	A&P: BYS 215/216 or BYS 313/314			R	X	X	X	X	X : BYS 215/216
	Cell Biology: BYS 300			X		R			
Chemistry	GenChem I: CH 121/125	X	X	X	X	X	X		X : CH 101/105 or CH 151/155
	GenChem II: CH 123/126	X	X	X		X	X		
	Organic I: CH 331/335		X	X		X	X		
	Organic II: CH 332/336		X	X		R	R		
	Biochem: CH/BYS 361			X		X	X		
Math	Calculus I*		R	R		X	R	R	
	Statistics**	X : MA 281	X : MA 281	X : MA 281	X : MA 281	R : MA 281	X : MA 281		X : MA 281*
	Additional Math	X : MA 112+	X : MA 112+	X : MA 112+	X : MA 112+		X : MA 112+	X	X : MA 110+
Physics	Physics I: PH 101 or PH 111/114	X	X		X	X		X	
	Physics II: PH 102 or PH 112/115	X	X		R	X			
Psychology	Intro Psych: PY 101	X		X	X	X	X	X	X
	Upper Division PY	X : PY 201		R : PY 201	R : PY 201	X : PY 201	X : PY 201, 435/ or 415	X : PY 201 & PY 435 or 415	X : PY 201
Other		X : SOC 100 X : CM 113 R : CM 231 R : CM/PY 330 R : PY 415 R : PY 480 R : ECH 340		X : BYS 419	X : KIN 200 X : KIN 419 X : KIN 327 & 328 R : KIN 260 R : BYS 320	R : BYS 320	X : BYS 320	X : SOC 100 X : CM 113 R : KIN 419	X : BYS 214 (May be required for some doctoral nursing programs)

X = Required course

R = Recommended course (not required at all schools, but may be required at some)

Note that policies on AP, IB, community colleges, etc. vary by school. Students are responsible for knowing the required prerequisite courses for the schools of your choice.

• MA 171 or equivalent

** PY 300 or SOC 305 may be equivalent



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