

JMU Pre-professional Health Programs: Pre-Requisite and Recommended Coursework

SR = Strongly Recommended, Rec = Recommended

Subject Area:	DOCTORAL LEVEL PROGRAMS						MASTERS LEVEL PROGRAMS	
	DENTISTRY (DMD, DDS)	MEDICINE (MD, DO, DPM, DC, ND)	OPTOMETRY (OD)	PHARMACY (PHARM D)	VETERINARY MEDICINE (DVM)	PHYSICAL THERAPY (DPT)	OCCUPATIONAL THERAPY (MSOT & OTD)	PHYSICIAN ASSISTANT (MPAS)
BIOLOGY MIN 8 HRS WITH LAB <small>ELECTIVES INCLUDE UPPER-LEVEL (300-400) COURSES FOR DOCTORAL APPLICANTS</small>	Organisms (114) Cell & Molec (214) +BIO electives Anatomy (290 or 320) SR Physiology (370) SR Microbiology (380) SR	Organisms (114) Cell & Molec (214) +300/400 BIO courses Physiology (370) SR	Organisms (114) Cell & Molec (214) Microbiology (380) +BIO electives H Anatomy (290) SR Physiology (270 or 370) SR	Organisms (114) Cell & Molec (214) + BIO electives H Physiology (270) SR H Anatomy (290) SR Microbiology (380) SR	Organisms (114) Cell & Molec (214) Genetics & Dev (224) Microbiology (380) + BIO electives Physiology (370) SR	H Physiology (270) H Anatomy (290) Organisms (114) SR Cell & Molec (214) SR + BIO electives Rec	H Physiology (270) H Anatomy (290) Organisms (114) Rec Neuro (301) Rec	H Physiology (270) H Anatomy (290) Microbiology (380) Cell & Molec (214) SR Genetics (224) SR
CHEMISTRY 8-16 HRS WITH LAB	General I & II (131&L/132&L) Organic I & II (241, 242, 242L) Biochemistry (361)	General I & II (131&L/132&L) Organic I & II (241, 242, 242L) Biochemistry (361) SR	General I & II (131&L/132&L) Organic I w/ lab (241 & 241L) Biochemistry (260) Organic II (242) Rec Biochem (260L) Rec	General I & II (131&L/132&L) Organic I & II (241, 242, 242L)	General I & II (131&L/132&L) Organic I & II (241, 242, 242L) Biochemistry (361)	General I & II (131&L/132&L)	Chem 120	General Chem I&II (131&L/132&L) Organic I (241+241L) Biochem (260 or 361) Biochem (260L) Rec
PHYSICS 8 HRS WITH LAB	College I & II (140&L/150&L)	College I & II (140&L/150&L)	College I & II (140&L/150&L)	College I (140&L) College II (150&L) SR	College I & II (140&L/150&L)	College I & II (140&L/150&L)	College I (140) or Rehab Biomechanics (HTH 441 or KIN 407)	
STATISTICS MATHEMATICS MIN 6 HRS	Statistics (220) Calculus (205, 231, or 235)	Statistics (220) Calculus (205, 231, or 235)	Statistics (220) Calculus (205, 231, or 235)	Statistics (220) Calculus (205, 231, or 235)	Statistics (220) Calculus (205, 231, or 235)	Statistics (220) Calculus - Rec (205, 231, or 235)	Statistics (220)	Statistics (220)
COMMUNICATION				GCOM 121 or 122	Rec		Rec	
CRITICAL THINKING /ETHICS		GPHIL 120 SR GPHIL 150 Rec GPHIL 101 Rec					GPHIL 150 Rec	
ECONOMICS				GECON 200 or ECON 201 SR				
ENGLISH (2 COURSES)	GWRTC, GENG, ENG, or GHUM 200	GWRTC, GENG, ENG, or GHUM 200	GWRTC, GENG, ENG, or GHUM 200	GWRTC, GENG, ENG, or GHUM 200	GWRTC, GENG, ENG, or GHUM 200	GWRTC, GENG, ENG, or GHUM 200		
FOREIGN LANGUAGE							Rec	
HEALTH SCIENCE							Medical Terminology (HTH 300), Research Methods (HTH 408)	Medical Terminology (HTH 300)
PSYCHOLOGY	1 course SR GPSYC 101, 160	At least 1 course: GPSYC 101 SR, GPSYC 160, PSYC 308	1 course: GPSYC 101, GPSYC 160	1 course SR: GPSYC 101, 160 GSOC 110, 140 GANTH 195	1-2 courses SR: GPSYC 101, 160 GSOCI 110, 140 GANTH 195	1-3 courses: GPSYC 101, 160, PSYC 250 GSOCI 110, 140	2-3 courses: GPSYC 101, GPSYC 160, PSYC 250	1-3 courses: GPSYC 101, 160, PSYC 250
SOCIOLOGY ANTHROPOLOGY		At least 1 course: GSOCI 110 SR, GSOCI 140, SOCI 375, SOCI 385, ANTH 360					At least 1 course: GSOCI 110, GSOCI 140, GANTH 195	
MIN GPA TO APPLY					≥ 2.8	≥ 2.7	≥ 2.8 (> 3.0 for OTD)	≥ 3.0

June 2012 SKB (subject to revision based on additional information re: MCAT2015)