

Health Science, Kinesiology, & Public Health (Pre-Nursing) at SMC

Note: Biology or Biochemistry is a preferred major for pre-dentistry and pre-medicine students.

Program & Degree	<u>Health Science</u> (B.S.)	<u>Health Studies</u> (B.A.)	<u>Kinesiology Exercise Science</u> (B.S.)	<u>Kinesiology Health Promotion</u> (B.A.)	<u>Kinesiology Sport Management</u> (B.A.)	<u>Public Health</u> *Pre-Nursing* (B.S.)
Lower Division Courses	CHEM 110/L BIOL 201/L BIOL 202/L BIOL 215/L & 225/L or BIOL 250/L & 251/L MATH 104 PSYCH 100 PSYCH 240 or 270 LD Science Elective	CHEM 105/L or 110/L BIOL 110/L or 201/L MATH 104 PSYCH 100 PSYCH 240 or 270	KINES 100 CHEM 105/L or 110/L BIOL 110/L or 201/L MATH 104, 136 or 137 BIOL 250/L & 251/L	KINES 100 HS 240/EL	KINES 100 KINES 220/EL ACCTG 100 ECON 101 ORB 231	CHEM 105/L or 110/L BIOL 110/L, 140/L or 201/L BIOL 250/L & 251/L HS 121 HS 240/EL MATH 104 PSYCH 100 SOC 204
Upper Division Courses	COMM 312 PSYCH 371 HS 331 or 333 UD Electives (14 units)	HS 331 or 333 UD Electives (18 units)	KINES 300 (CWAC 110) KINES 303 KINES 360 KINES 361 KINES 460/L KINES 461 UD Electives (4 courses)	KINES 300 (CWAC 110) KINES 340 KINES 341 KINES 440 KINES 441 KINES 495 UD Electives (4 courses)	KINES 300 (CWAC 110) KINES 303 KINES 320 KINES 420 KINES 421 KINES 495 KINES 321 or ECON 370 UD Elective (1 course)	Either apply to BSN or continue with: KINES 440 KINES 441 WRIT 420 HS 410 HS 496 UD Electives (4 courses)
Potential Pairings, Graduate Programs, and Career Pathways	Prepares students for grad programs in Dietetics, Occupational Therapy, Optometry, Pharmacy, Physical Therapy, Physician Assistant, and Radiologic Technology	Pairs well with a teaching credential or double major	Pairs well with Dance Prepares students for grad programs in Athletic Training, Chiropractic, Occupational Therapy, Physical Therapy, and Sport Coaching	Pairs well with a teaching credential or double major Prepares students for grad programs in Health Administration, Public Health, and Social Work	Pairs well with double major Prepares students to gain employment in the field, and for grad programs in Business, Health Admin, and Sport Management	Pre-nursing students apply to BSN program in sophomore year Prepares students for grad programs in Health Administration, Public Health, and Social Work

Questions? Please contact:

Dr. Chi-An Emhoff
cwe1@stmarys-ca.edu
Division Chair of Health Science & Kinesiology

Mary Beth Stadt
mbs7@stmarys-ca.edu
Executive Director, Career Center



Prerequisite Table for Undergraduate Coursework by Graduate School Pathway

**Always check future graduate and professional programs for specific prerequisites.*

Required Undergraduate Coursework	<u>Dentistry</u>	<u>Dietetics</u>	<u>Medicine</u>	<u>Nursing</u>	<u>Occupational Therapy</u>	<u>Optometry</u>	<u>Pharmacy</u>	<u>Physical Therapy</u>	<u>Physician Assistant</u>	<u>Radiologic Technology</u>	<u>Veterinary Medicine</u>
Survey of Chem (CHEM 105/L)				✓							
Gen Chem I (CHEM 110/L)	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Gen Chem II (CHEM 230/L)	✓	✓	✓			✓	✓	✓		✓	✓
Org Chem I (CHEM 210/L)	✓	✓	✓			✓	✓		✓		✓
Org Chem II (CHEM 220/L)			✓				✓				✓
Intro Microbiology (BIOL 140/L)		✓		✓		✓	<i>recommended</i>		✓		
Intro Cell, Molecular Bio, and Biochemistry (BIOL 201/L)	✓		✓		✓	✓	✓	✓	✓	✓	✓
Intro Organism and Evolution (BIOL 202/L)	✓		✓			✓	✓	✓	✓	✓	✓
Human Anatomy (BIOL 215/L) & Human Physiology (BIOL 225/L) or Anatomy & Physiology I & II (BIOL 250/L and BIOL 251/L)		✓		✓	✓	✓	✓	✓	✓	✓	✓
Biochemistry (BIOL 311/L)			<i>recommended</i>			✓	<i>recommended</i>		<i>recommended</i>		✓
Gen Physics I (PHYSI 141/L)	✓		✓		<i>recommended</i>	✓	<i>recommended</i>	✓	✓		
Gen Physics II (PHYSI 142/L)	✓		✓			✓		✓	✓		
Statistics (MATH 104)	<i>recommended</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Calculus (MATH 137/L)			<i>recommended</i>			✓					✓
Interperson Comm (COMM 312)	<i>recommended</i>			<i>recommended</i>	✓		<i>recommended</i>			✓	✓
Nutrition (HS 121 or 331)		✓		✓							
Intro Psych (PSYCH 100)	✓	✓	✓	✓	✓	✓	<i>recommended</i>	✓	✓	✓	✓
Sociology (SOC 100 or 204)			✓	✓	✓				✓	✓	
Clinical Training	150 hrs	200 hrs	200 hrs	200 hrs	20 hrs	50 hrs	<i>recommended</i>	150 hrs	1 yr	100 hrs	200 hrs
Additional Recommended Coursework:	Genetics (BIOL 301/L) Manual dexterity (ART 101)	Medical Terminology	Genetics (BIOL 301/L) UD Microbio (BIOL 317/L)	Human Dev (PSYCH 240)	Human Dev (PSYCH 240) Abnormal Psych (PSYCH 371)	Genetics (BIOL 301/L) Immunology (BIOL 319/L)	Genetics (BIOL 301/L) Microecon (ECON 101)	Human Dev (PSYCH 240) Abnormal Psych (PSYCH 371) Exercise Phys (KINES 460/L)	Genetics (BIOL 301/L) Psychobio (PSYCH 310/L)	Spanish for Healthcare (SPAN 222) Medical Ethics (TRS 342) Medical Terminology	Genetics (BIOL 301/L) UD Microbio (BIOL 317/L)