

2022 Richmond Pre-health Curriculum Guide

Track	Common Professional School Requirements* (UR equivalent given parenthetically)	Additional Recommended Courses
Pre-medical	General Biology (BIOL 199 or 192, plus 200) General Chemistry (CHEM 141 or 192, plus 317) Organic Chemistry (CHEM 205-206) Biochemistry (CHEM 326) Physics (PHYS 127 or 131 plus either PHYS 128 or 132)** Psychology (PSYC 100)*** Sociology (SOC 101)*** Statistics (1 of MATH 209, BIOL 320, CHEM 300, PSYC 200, SOC 211)***	HS 100 Health Policy PHIL 251 Elementary Symbolic Logic (also satisfies FSSR) LDST 377 Ethical Decision Making in Healthcare –OR– PHIL 265 Bioethics
Pre-dental	General Biology (BIOL 199 or 192, plus 200) General Chemistry (CHEM 141 or 192, plus 317) Organic Chemistry (CHEM 205-206) Biochemistry (CHEM 326) Physics (PHYS 127 or 131 plus either PHYS 128 or 132)** Microbiology (BIOL 229)	BIOL 202 BIOL 3XX electives (2-3) HS 100 Health Policy
Pre-physician assistant	General Biology (BIOL 199 or 192, plus 200) General Chemistry (CHEM 141 or 192) Organic Chemistry (CHEM 205-206) Biochemistry (CHEM 326) Genetics (BIOL 120: Human Genetics) – consult individual PA programs Human Anatomy (BIOL 219) and Human Physiology (BIOL 220) Microbiology (BIOL 229) Psychology (PSYC 100)	HS 100 Health Policy
Pre-veterinary	General Biology (BIOL 199 or 192, plus 200) General Chemistry (CHEM 141 or 192, plus 317) Organic Chemistry (CHEM 205-206) Biochemistry (CHEM 326) Physics (PHYS 127 or 131 plus either PHYS 128 or 132)** Microbiology (BIOL 229) Genetics – consult individual programs	BIOL 202 BIOL 3XX electives (2-3)
Pre-pharmacy	General Biology (BIOL 199 or 192, plus 200) General Chemistry (CHEM 141 or 192, plus 317) Organic Chemistry (CHEM 205-206) Physics (PHYS 127 or 131 plus either PHYS 128 or 132)** Human Anatomy (BIOL 219) and Human Physiology (BIOL 220) Microbiology (BIOL 229) Economics (ECON 101) Calculus (MATH 211) Statistics (MATH 209 or BIOL 320) Public speaking (RHCS 100)	HS 100 Health Policy

*Requirements may vary; be sure to consult with specific schools you are considering.

**MATH 211-212 pre-requisite / co-requisite for PHYS 131-132

***For MCAT preparation; not commonly required by medical schools

Track	Common Professional School Requirements* (UR equivalent given parenthetically)	Additional Recommended Courses
Pre-physical therapy	General Biology (BIOL 199 or 192, plus 200) Chemistry (CHEM 141 or 192, plus either CHEM 205 or CHEM 205, 206, 317); consult individual PT programs Physics (PHYS 127 or 131 plus either PHYS 128 or 132)** Human Anatomy (BIOL 219) and Human Physiology (BIOL 220) Statistics (MATH 209 or BIOL 320) Psychology (PSYC 100) Developmental Psychology (PSYC 311 plus PSYC 315)	HS 100 Health Policy
Pre-nursing (BSN/MSN/DNP)	General Biology (BIOL 199 or 192, plus 200) General Chemistry (CHEM 141 or 192); consult individual programs Human Anatomy (BIOL 219) and Human Physiology (BIOL 220) Microbiology (BIOL 229) Psychology (PSYC 100) Developmental Psychology (PSYC 311 plus PSYC 315) Statistics (MATH 209 or BIOL 320) Nutrition (HS 305)	HS 100 Health Policy
Pre-occupational therapy	General Biology (BIOL 199 or 192, plus 200) General Chemistry (CHEM 141 or 192) Human Anatomy (BIOL 219) and Human Physiology (BIOL 220) Psychology (PSYC 100) Developmental Psychology (PSYC 311 plus PSYC 315) Abnormal Psychology (PSYC Sociology (SOC 101) Statistics (MATH 209 or BIOL 320)	HS 100 Health Policy
Pre-optometry	General Biology (BIOL 199 or 192, plus 200) General Chemistry (CHEM 141 or 192) Organic Chemistry (CHEM 205-206) Physics (PHYS 127 or 131 plus either PHYS 128 or 132)** Human Anatomy (BIOL 219) and Human Physiology (BIOL 220) Microbiology (BIOL 229) Psychology (PSYC 100) Statistics (MATH 209 or BIOL 320)	HS 100 Health Policy

*Requirements may vary; be sure to consult with specific schools you are considering.

**MATH 211-212 pre-requisite / co-requisite for PHYS 131-132

***For MCAT preparation; not commonly required by medical schools