UWRF Pre-health Professional Curriculum

**Pre-Medical, Pre-Dental or Pre-Optometry**
Most pre health professional students major in Biology or Chemistry (and a minor in Biology or Chemistry) because of the number of courses required in these areas, but keep in mind that other majors are possible. “Pre-Medical, Pre-Dental or Pre-Optometry” are not majors on their own. Requirements for a declared major and minor must be met to graduate.

The recommended curriculum below is suggested to meet both the required and recommended pre-requisites of most of the schools, as well as to prepare you for the Medical College (MCAT), Optometry (OAT), or Dental Admission Test (DAT).

**Biology**
- Biology 150 (General Biology)
- Biology 230 (General Zoology)
- Biology 240 (Cell Biology)
- Biology 324 (Microbiology)
- Biology 341 and 342 (Anatomy and Physiology I and II)
- MCATs include Biology 350 (Genetics)
- Additional recommended Biology courses can include genetics, immunology, molecular biology, developemental biology

**Chemistry**
- Chemistry 121 and 122, (General Chemistry 1 and 2)
- Chem 231, 232, 236, 237 (Organic Chemistry 1 and 2)
- Optometry School – Chemistry 361 (Biochemistry)
- Dental School – Chemistry 361, most with lab
- Medical School – Chemistry 361 and 362 strongly recommended

**Physics**
- Physics 151 and 156, (Algebra-Based Physics I and Lab)
- Physics 152 and 157 (Algebra-Based Physics II and Lab)

**Math**
- Optometry School – Math through Math 166 (Calculus), a select few require a second semester of Calculus; and Statistics
- Dental School – No math prerequisite, but Geometry, Algebra, and Trigonometry are covered in the DAT, Statistics is required
- Medical School – Most require or recommend Math through Math 166 (Calculus) and statistics

**Generals**
- Psych 101 (Introduction to Psychology), SCTA 101 (Speech), Sociology 100, English 100 and 200 are usually required or strongly recommended. Writing intensive or literature classes are also required by some (Univ. of MN)
Occupational Therapy
OPTION B MINOR

Biology requirements include Bio 150, Cell, and A and P, Bio Greek and Latin
There is no chemistry requirement
Psychology – Psych 101,(Intro), Psych 236 (Child and Adolescent Psychology),
Psych 336 (Adulthood and Aging) and Psych 325 (Abnormal Psych)
Sociology 101 (Math – Statistics
Physics 151 and 157

Physical Therapy
OPTION B MINOR consisting of
Physics 152, 157 (Algebra Based Physics II
Math 166 (not all schools require Calculus, but UM does)
Psych 236 (Childhood and Adolescence)
Psych 336 (Adulthood and Aging)
Psych 325 (Abnormal Psychology)
PED 354 (Biomechanics)
Heal 215 (Nutrition)
Heal 366 (Exercise Physiology)

Physician Assistant
Biology requirements include Bio 150, Bio 230 (Zoology) Bio 243, Bio 325
(Microbiology) Bio 341 and 342, Bio 350
Gen Chem, Organic and Biochemistry (1 full year)
Stats
, Psychology 101 (intro), Psych 236 (Childhood and Adolescence) and Psych
336 (Adulthood and Aging), some also require 325 (Abnormal)

Chiropractic
Bio 150, Bio230 (Zoology) , Bio 324 (Microbiology) Bio 341 and 342 (A &P I, II)
Chem 121 and 122 (General Chem), Chem 231/236 and 232/237 (Organic),
suggest Biochem but not required
Physics 151/156 (General Physics with lab) and one of the following
Physics 152/157 (2nd semester physics)
PED 354 (Biomechanics)
Math 226 (Stats)
Psych 101 (General Psychology)
15 credits Social/Behav Sciences / Humanities