Pre-Med/Pre-Dental Cohort: The Academy

Pre-Medicine (or Pre-Dental) at UW-Madison is not a classification or a major, but an intention. Becoming a successful candidate to medical/dental schools requires certain courses, an acceptable score on admissions examinations and letters of recommendation, especially from science faculty. In addition to excellence in the sciences, students should possess strong interpersonal and communication skills and cultural competency. While coursework in the social sciences, statistics and psychology are generally required, patient care and volunteer experience, leadership and reflection make for a well-rounded liberal arts scholar and competitive applicant.

*Courses in common: others dependent on student's academic design.

**Semester 1: Fall**
Courses:
- *Chemistry 103: General Chemistry (4 credits)
- *Biology 100 Seminar: Exploring Biology (1 credit)
- English 173 (ethnic studies req. fulfillment) (3 credits)
- Math: Calculus 221 (5 credits) or Math 114 (5 credits)
- Foreign Language (4 credits)

**Semester 2: Spring**
Courses:
- *Chemistry 104: General Chemistry (4 credits)
- Math 221: Calculus & Analytic Geometry (5 credits) or Math 222: (4 credits)
- *ILS 152 Knowing Medicine & Society (Theresa Duello) (3 credits)
- Foreign Language (4 credits)

**Semester 3: Fall**
Courses:
- *Chemistry 343: Introduction to Organic Chemistry (3 credits)
- Biocore 381: Evolution, Ecology & Genetics (3 credits) - 382 (2 credits) (preferred), or Biology 151: Introductory Biology (5 credits)
- *Racial & Ethnic Families in the U.S. (SoHe; 3 credits)
- Student’s discretion

**Semester 4: Spring**
Courses:
- *Chemistry 344-345: Intermediate Organic Chemistry; Lab (5 credits)
- Biocore 383: Cellular Biology (3 credits) – 384 lab (2 credits) or Biology 152 (5 credits)
- Pre-research course or student’s choice (to satisfy graduation requirement)

**Semester 5: Fall**
Courses:
- *General Physics 103 (4 credits)
- Biocore 485: Organismal Biology – 486 (lab) (preferred)( 5 credits)
- English 173 (ethnic studies, 3 credits); if not taken previously
- *Community based Research
Semester 6: Spring
Courses:  *General Physics 104 (4 credits)
          Biocore 587: Biological Interactions (preferred) or Biochemistry 314: Introduction to Human Biochemistry (3 credits)
          *Community based Research
          Student’s discretion

Semester 7: Fall
Courses:  Additional science (Ex. Physiology) or major courses
          Math 301: Introduction to Statistical Methods or Statistics 317: Introductory Applied Statistics for the Life Sciences (3 credits)

Semester 8: Spring
Courses:  Completion of major requirements
          Additional Science (Ex. General Genetics 466)