

PRE-MEDICAL/PRE-DENTAL/ PRE-VETERINARY/PRE- HEALTH ADVISING TRACK

Students can be any major and be considered pre-medical, pre-dental, or pre-veterinary. However, recommended majors at D'Youville that lead into these professional schools are Biology B.S. (<https://catalog.dyouville.edu/degree-programs/arts-sciences-education/biology-mathematics/biology-bs/#text>) and Biochemistry B.S. (<https://catalog.dyouville.edu/degree-programs/arts-sciences-education/biology-mathematics/biochemistry-bs/>) (as they already require many of the prerequisite courses for medical/dental/veterinary school), as well as Health Humanities B.S. (<https://catalog.dyouville.edu/degree-programs/arts-sciences-education/humanities/health-humanities-bs/>) (which engages in the impacts of health and illness on the individual).

In addition to science courses, many medical/dental/veterinary schools stress the need for applicants with a broad humanities-based education. After consulting their advisor, students should select humanities courses such as in philosophy, ethics, and literature to contribute to their liberal arts education.

D'Youville has a **Pre-Professional Committee** composed of science faculty that helps prepare students to apply to medical/dental/veterinary schools. The committee provides information about these schools, guides students through the application process, performs mock interviews, and writes letters of support. This committee also guides students through the process of applying to science graduate programs. Any questions about the Pre-Professional Committee can be directed to its Chair, Dr. Justin McGraw (mcgrawj@dyc.edu)

Students interested in medical, dental, or veterinary school should:

- Talk to their academic advisor
- Add the appropriate specialization to their student record (e.g., pre-med)
- Successfully complete the courses listed on this page
- Adhere to advice from the Pre-Professional Committee regarding entrance exams (e.g., MCAT), courses, shadowing, etc.

Required courses in the Pre-Medical/Pre-Dental/Pre-Veterinary advising track:

Code	Title	Credits
BIO-101	Introductory Biology I	4
BIO-101L	Intro Bio Lab I	0
BIO-102	Introductory Biology II	4
BIO-102L	Intro Bio Lab II	0
BIO-303	Biochemistry	3
or CHE-303	Biochemistry	
BIO-303L	Biochemistry Lab	1
or CHE-303L	Biochemistry Laboratory	
CHE-101	General Chemistry I	3
CHE-101L	General Chemistry Laboratory	1
CHE-102	General Chemistry II	3
CHE-102L	General Chemistry Laboratory II	1
CHE-219	Organic Chemistry	3

CHE-219L	Organic Chemistry Lab	1
CHE-220	Organic Chemistry II	3
CHE-220L	Organic Chemistry II Lab	1
MAT-201	Biostatistics	3
or MAT-123	Introduction to Applied Statistics	
PHY-101	General Physics I	3
or PHY-111	Introduction to Physics	
PHY-101L	Gen Physics Lab I	1
or PHY-111L	Introduction to Physics Lab	
PHY-102	General Physics II	3
or PHY-112	Introduction to Physics	
PHY-102L	Gen Physics Lab II	1
or PHY-112L	Introduction to Physics Lab	
ENG-111	Introduction to Literature: Acad Writing ¹	3
ENG-112	Humanities Seminar ¹	3
PSY-101	General Psychology	3
or PSY-204	Physiological Psychology	
or PSY-205	Social Psychology	
or PSY-207	Cognitive Psychology	
SOC-101	Principles of Sociology	3

¹Two ENG-XXX courses should be taken. Please see your academic advisor to see which 2 ENG courses are the best fit.

In preparation for the MCAT and DAT the following courses are strongly recommended. In addition, some schools highly recommend these courses:

Code	Title	Credits
BIO-107	Human Anatomy & Physiology I	3
BIO-107L	Human Anatomy & Physiology Laboratory	1
BIO-108	Human Anatomy & Physiology II	3
BIO-108L	Human Anatomy & Physiology II Lab	1
BIO-208	Microbiology	3
BIO-208L	Microbiology Lab	1
MAT-125	Calculus I	4

• Medically related social science courses.

While these are the most common requirements for professional schools, students should research each school of interest to make sure there are no additional required or recommended courses.