

# ANATOMY M.S.

The accelerated Master of Science program in Anatomy combines intensive, hands-on study with a solid grounding in contemporary research techniques. You will gain valuable practical experience in our Human Gross Anatomy Lab, all while working closely with faculty both in the classroom and in research settings. The Anatomy M.S. program requires 30 credit hours. Students may work as a Teaching Assistant in the Anatomy and Physiology I and II Laboratories.

Depending on the educational level you've attained before you enter our program, when you graduate from D'Youville's Anatomy M.S. program, you'll be well-prepared for a variety of career paths including pursuing a professional healthcare or science degree (M.D., D.O., P.A., D.C., Ph.D., etc.), academic research and instruction, or scientific and managerial positions in health-related industries.

Our program is ideal for anyone with a bachelor's degree who wishes to apply (or re-apply) to medical, dental, chiropractic, or other professional healthcare degree programs or for those who hold professional graduate degrees who wish to add a specialization to their professional credentials. This degree also grants you the ability to teach Anatomy at Community Colleges.

Students must maintain a cumulative G.P.A. of 3.0 or above for all graduate courses (500 and 600 level courses). A student who has less than a 3.0 cumulative G.P.A at any time is placed on academic probation for one semester. At the end of the probation semester, the student's file is reviewed by the graduate program coordinator. If the student's cumulative G.P.A. is a minimum of 3.0, the student is automatically removed from probation. If the student does not achieve a 3.0 G.P.A., the graduate program coordinator will either dismiss the student from the program immediately or continue the student on probation for one more semester. If a minimum of 3.0 is not achieved following the second semester of probation dismissal is automatic.

Students in this program must pass all classes with a grade of C or better, with only two of these classes below a B. A student who receives less than a C or fails a Satisfactory/Unsatisfactory course must repeat the course unless they have been dismissed. Courses may be repeated one time only. A G.P.A. of 3.0 is required at the time of graduation. Each student must successfully complete and present a research project or capstone project, which includes a written manuscript or scholarly written report and successful presentation of the project to their chosen committee (research project) or classmates (capstone project).

Code	Title	Credits
ANA-504L	Microscopic Anatomy Lab	1
ANA-601	Research Methods in Anatomy I	3
BIO-505	Neurobiology	4
BIO-505L	Neurobiology Lab	0
BIO-517	Comparative Anatomy	4
BIO-517L	Comparative Anatomy Lab	0
BIO-520	Developmental Biology	4
BIO-520L	Developmental Biology Lab	0
BIO-639	Human Gross Anatomy	6
BIO-639L	Human Gross Anatomy Lab	0
BIO-639XD	Human Gross Anatomy Extra Dissection Lab	0
BIO-689	Special Topics	1
Choose 1 of the following 2 sequences		7

ANA-602 & ANA-605	Research Methods in Anatomy II and Research Seminar
ANA-603 & ANA-604	Advanced Human Dissection and Anatomy Capstone

**Total Credits** **30**

During the program students are required to successfully complete a teaching assistantship in the Anatomy and Physiology I and II laboratories.

Students entering the program as graduate students must meet the following criteria:

- A letter of recommendation from a faculty member from your undergraduate institution or a healthcare professional with an advanced degree.
- A letter of intention.
- Scores from GRE, MCAT, DAT, or VAT exams (if taken).
- A bachelor's degree from an accredited institution. Students must have minimum grades in the following pre-requisite courses of "C" if completed at a 4-year institution or "B" if completed at a 2-year institution.

## PRE-REQUISITE COURSES:

- Introduction to Biology I & II with included laboratory instruction or Anatomy and Physiology I & II with included laboratory instruction.
- General Chemistry I & II with included laboratory instruction.
- Organic Chemistry I with included laboratory instruction.
- Organic Chemistry II or Biochemistry I with included laboratory<sup>1</sup> instruction.
- Introduction to English I & II
- Applied Statistics (or Biostatistics)
- Genetics or a Biology course with substantial amounts of Molecular Biology and Genetics content with laboratory<sup>1</sup> instruction.
- Anatomy I & II (laboratories only)

Course equivalencies will be determined during the application process by a thorough review of applicants' undergraduate and graduate (if applicable) transcripts. In some cases, students may request to take practical comprehensive examinations in lieu of pre-requisites. Please contact D'Youville if you have any questions about these pre-requisites before applying.

<sup>1</sup> If a Biochemistry course is utilized as a pre-requisite, the laboratory could be completed after matriculation. Genetics with laboratory could also be completed after matriculation. Biochemistry and Genetics (both with labs) are the only courses that can be completed after you enter the program.