Master of Clinical Anatomy, MCA

Requirements

The professional Master of Clinical Anatomy (MCA) program requires a minimum of 32 s.h. of work that is distributed between required (25 s.h.) and elective (7 s.h.) coursework. Students must maintain a grade-point average of at least 3.25. The program is designed so that students can complete the requirements in a year and a half and provides clinically relevant content coupled with experiential learning activities to develop skills in teaching and educational research. A portion of the curriculum is offered online to complement classroom and laboratory learning.

Students with a degree in a specific biological science (e.g., genetics) for which no formal coursework in basic gross anatomy has been completed may be required to take a prerequisite undergraduate anatomy course.

The Master of Clinical Anatomy requires the following coursework.

Required Courses

Course #	Title	Hours
ACB:5203	Gross Human Anatomy for Graduate Students	5
ACB:5206	Graduate Research in Cell and Developmental Biology	2
ACB:5210	General Histology Online	3
ACB:6252	Functional Neuroanatomy	4
ACB:7001	Teaching and Learning in the Anatomical Sciences	2
ACB:7002	Seminar in Anatomical Sciences (taken twice for 1 s.h. each)	2
ACB:7020	Human Embryology Online	2
ACB:7227	Anatomic Study for Teaching	3
ACB:7400	Practicum in College Teaching for Master of Clinical Anatomy	2

Electives

Students select at least 7 s.h. in elective coursework.

Course #	Title	Hours
ACB:5206	Graduate Research in Cell and Developmental Biology (may earn 1-3 s.h. in addition to required course above)	1-3
ACB:7010	Anatomy Through Imaging	2
ACB:7020	Human Embryology Online	2
ACB:7400	Practicum in College Teaching for Master of Clinical Anatomy (may earn 1-2 s.h. in addition to required course above)	1-2
ACB:8401	Advanced Human Anatomy	4
ACB:8402	Teaching Elective in Regional Anatomy	2
GRAD:7385	Teaching and Learning in Higher Education	3
MED:8403	Teaching Skills for Medical Students	4
PSQF:6205	Design of Instruction	3
Other coursework with MCA program approval		1-3

Research/Education Project

Students successfully present their research/education project in November of their second year.

Capstone Project

The capstone project is the final formal piece of assessment that students are required to pass in order to graduate from the MCA program. It represents the integration of the anatomical sciences in terms of both teaching and research as a culmination of studies in gross anatomy, neuroanatomy, histology, and embryology. The capstone project tells the story of each student's unique experience of learning and development in the anatomical sciences, providing evidence of a student's integrated understanding of the anatomical sciences. It allows students to demonstrate the skills that they have developed on their journey through the production and submission of an original body of work.

Once the capstone project proposal has been approved by the advisory committee in September of their second year, students must complete the project with the anticipation of providing a final oral presentation in December that addresses the following:

- question/problem identification,
- anatomical sciences integration,
- project development, and
- impact (goal) reflection.