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 3.00. The program is designed so that students can complete the requirements in a year and a half and provides clinically relevant content coupled with opportunities for experiential learning 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:5210	General Histology Online	4
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:7010	Anatomy Through Imaging	2
ACB:7020	Human Embryology Online	2
ACB:7500	Case-Based Learning 1	2
ACB:7600	Case-Based Learning 2	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)	1-3
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)	1-2
ACB:7401	Advanced Human Anatomy	4
ACB:7402	Teaching Elective in Regional Anatomy	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 Assessment

The capstone assessment is the final formal examination that students are required to pass in order to graduate from the MCA program. The exam is held in the fall semester of the second year and is comprised of a series of hands-on/interactive, case-based assessment tasks that take place across multiple stations. Each station intentionally tests the critical thinking, problem-solving, and analytical skills developed by students during the MCA program while allowing them to demonstrate graduate-level expertise in the anatomical sciences by integrating content knowledge from each of the foundational areas studied during the program: gross anatomy, histology, neuroanatomy, embryology, and anatomical imaging.