Master of Clinical Anatomy, M.C.A.

The mission of the professional degree program, Master of Clinical Anatomy (M.C.A.), is to provide clinically relevant content knowledge coupled with experiential learning activities for developing skills in teaching, education research, and enhancing advancement to professional health care programs. Graduates will be able to:

- demonstrate knowledge of the anatomical sciences (neuroanatomy, gross anatomy, and histology) at a level necessary for instruction within a professional program;
- design and deliver effective instructional activities appropriate for a cadaveric dissection course;
- design and deliver effective instructional activities appropriate for individual, small group, large group, and laboratory settings;
- evaluate the effectiveness of educational instruction using both formative and summative methods; and

Requirements

The Master of Clinical Anatomy (M.C.A.) 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 g.p.a. 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year, Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACB:5203</td>
<td>Gross Human Anatomy for Graduate Students</td>
<td>5</td>
</tr>
<tr>
<td>ACB:5210</td>
<td>General Histology Online</td>
<td>3</td>
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<tr>
<td>ACB:7001</td>
<td>Teaching and Learning in the Anatomical Sciences</td>
<td>2</td>
</tr>
<tr>
<td>ACB:7002</td>
<td>Seminar in Anatomical Sciences</td>
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<tr>
<td>Electives</td>
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<tr>
<td>ACB:7010</td>
<td>Anatomy Through Imaging</td>
<td>2</td>
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<tr>
<td>First Year, Spring Semester</td>
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<tr>
<td>ACB:6252</td>
<td>Functional Neuroanatomy</td>
<td>4</td>
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<tr>
<td>ACB:7002</td>
<td>Seminar in Anatomical Sciences</td>
<td>1</td>
</tr>
<tr>
<td>ACB:7020</td>
<td>Human Embryology Online</td>
<td>2</td>
</tr>
<tr>
<td>ACB:7227</td>
<td>Anatomic Study for Teaching</td>
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<tr>
<td>Electives</td>
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<tr>
<td>ACB:7010</td>
<td>Anatomy Through Imaging</td>
<td>2</td>
</tr>
</tbody>
</table>

ACB:8401 Advanced Human Anatomy 4
ACB:8402 Teaching Elective in Regional Anatomy 2
MED:8403 Teaching Skills for Medical Students 4

First Year, Summer Session
ACB:5206 Graduate Research in Cell and Developmental Biology 2
GRAD:7400 Practicum in College Teaching 4

Electives
ACB:7020 Human Embryology Online 2

Second Year, Fall Semester
ACB:5206 Graduate Research in Cell and Developmental Biology 2
GRAD:7400 Practicum in College Teaching 4

Electives
ACB:8402 Teaching Elective in Regional Anatomy 2
GRAD:7385 Teaching and Learning in Higher Education 3
PSQF:6205 Design of Instruction 3

Admission

Applicants must:

- have a B.A. or B.S. degree with a strong science background;
- have a g.p.a. of at least 3.00;
- have an external performance exam from the last five years, such as MCAT (minimum score of 500 or pre-2015 exam scores greater than 27) or Graduate Record Examination (GRE) General Test (score above the 50th percentile with verbal score of at least 150 and math score of at least 150);
- have a Test of English as a Foreign Language (TOEFL) score between 550 and 600 and be required to pass an English competency certification within the first 12 months of entry into the program, if an international applicant whose first language is not English;
- provide three letters of reference/support;
- submit a personal statement; and
- be available for an interview with the M.C.A. faculty.

Application deadline is May 31.

For detailed application instructions and forms, visit the Department of Anatomy and Cell Biology.

Career Advancement

Graduates are prepared for a variety of anatomical sciences education settings that include advanced professional study, faculty/lectureship positions in medicine, and allied health care fields at community colleges. Some will want to continue their studies within a health care profession, others may want to prepare for college-level teaching, and others may want to pursue a career in anatomical sciences.