### Degree Learning Expectations*
*(general descriptors from OCAV)*

<table>
<thead>
<tr>
<th>Degree Learning Expectations* (general descriptors from OCAV)</th>
<th>Learning Outcomes** (program specific)</th>
<th>Relevant Courses, Academic Requirement (requirements that contribute to the achievement of learning outcomes and degree expectations)</th>
<th>Indicators of Achievement As evidenced by ...</th>
<th>Transferable Skills</th>
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<td>Depth and breadth of knowledge</td>
<td>Graduating MSc (AS) students will demonstrate a sound command of knowledge in the area of anatomical sciences (gross anatomy, neuroanatomy, embryology and histology) which will support the student’s future academic teaching activities. Graduating students will also demonstrate a critical awareness of the current issues in anatomical sciences.</td>
<td>BMED 812/6 credit units (Advanced Neuroanatomy) BMED 804/6 credit units (Clinically Oriented Anatomy) BMED 817*/3 credit units (Mammalian Embryonic Development) BMED 831*/3 credit units (Cell Structure and Basic Tissues) BMED 834*/3 credit units (Principles and Techniques in the Teaching of Anatomical Sciences) BMED 805*/3 credit units (Microteaching in Anatomical Sciences) BMED 828*/3 credit units (Advanced Histology and Staining Techniques) BMED 847*/3 credit units (Research Projects in Anatomy and Cell Biology) BMED 889 (Practicum)</td>
<td>Successful completion of course requirements. Positive feedback from instructors and advisory committee on progress. Demonstrated depth of knowledge in the anatomical sciences as evidenced by performance in practice lectures including ability to field questions and defend a well-written MSc (AS) project.</td>
<td>Strong understanding of the area of Anatomical Sciences</td>
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| Research and scholarship                                     | Graduating MSc (AS) students will have a firm understanding of current methods in anatomical sciences and the ability to teach these aspects. | Mandatory committee meetings (every nine weeks).  
MSc (AS) project research and defense. | Positive feedback from instructors and advisory committee on progress.  
Demonstrated ability to present lectures and field questions. | -Ability to teach and instruct others  
-Innovation  
-Time management  
-Ability to plan  
-Work independently  
-Accept responsibility  
-Solve problems  
-Detail-oriented  
-Follow instruction  
-Safety conscious |
| Application of knowledge                                      | Graduating MSc (AS) students will have the ability to make informed judgments on complex issues in the area of anatomical sciences. | Required coursework.  
Mandatory committee meetings (every nine weeks).  
MSc (AS) project and defense. | Successful performance in courses.  
Successful performance during project oral defense. | -Research-oriented  
-Critical thinking  
-Creative  
-Solve problems  
-Use complex equipment  
-Logical |
| Communication skills                                          | Graduating MSc (AS) students will have the ability to communicate anatomy and cell biology, both orally and in written format to undergraduates, colleagues and diverse audiences. | Required student presentations and other BMED courses.  
MSc (AS) project defense. | Positive feedback from instructors and advisory committee on quality of required presentations.  
Demonstrated ability to communicate appropriately in their capacity as a teaching assistant to undergraduate students.  
Successful performance during oral project defense. | -Written communication  
-Articulate  
-Public speaking  
-Computer skills  
-Ability to edit |
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<th>Degree Learning Expectations* (general descriptors from OCAV)</th>
<th>Learning Outcomes** (program specific) This degree is awarded to students who demonstrate:</th>
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<td><strong>Autonomy and professional capacity</strong></td>
<td>Graduating MSc (AS) students will possess the qualities and transferable skills necessary for employment training, including the self-confidence to take initiatives and responsibilities during decision-making situations. Graduating students will also possess the intellectual independence to actively engage in continuing professional development; the ethical behaviour consistent with academic integrity and the use of appropriate guidelines and procedures for responsible conduct of research. Students will also have the ability to appreciate the broader implications of applying knowledge to the anatomical sciences.</td>
<td>Mentoring by supervisor, colleagues and other faculty members. Although not required, we encourage students to participate in “Expanding Horizons” and serve as student representatives on various committees.</td>
<td>Demonstrated ability to present lectures and field questions. Successful project design and management. Successful presentation of project results and conclusions.</td>
<td>-Accept responsibility -Self confidence -Decisive -Active engagement -Self-motivated</td>
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<td><strong>Awareness of limits of knowledge</strong></td>
<td>Graduating MSc (AS) students will gain an appreciation for the breadth of ever-expanding information found in all science and accept that there are always different ways of interpreting science. Graduating students will also have the ability to accept and act on constructive criticism.</td>
<td></td>
<td>Reasoned response to questioning during presentations that demonstrate a knowledge and understanding of the potential contributions of other interpretations, methods, and disciplines.</td>
<td>-Desire to learn and improve -Understand the big picture</td>
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* Articulate degree level expectations that are unique to the degree program. For programs that are also part of a collaborative program, specific DLEs must be added.

** General learning outcomes associated with Master’s and Doctoral degree level expectations can be found on the attached pages. Please use these as guidelines; programs should define their own learning outcomes.

Resources on Degree Level Expectations and Learning Outcomes can be found at: [http://www.queensu.ca/sgs/faculty-staff/quality-assurance](http://www.queensu.ca/sgs/faculty-staff/quality-assurance) or speak with your SGS Associate Dean (Kim McAuley: mcauleyk@queensu.ca; Sandra den Otter: denotter@queensu.ca)