1. Master fundamental knowledge in at least one of the broad areas of specialization represented in the Department of Kinesiology. (Thesis-based tracks)

2. Demonstrate understanding of major current and past theories, research findings, methodologies, and techniques in their areas of specialization.

3. Identify sources and assemble evidence pertaining to questions or challenges in their area of specialization.

4. Complete an original research project in one of the broad areas of specialization represented in the Department of Kinesiology. (Thesis-based tracks)

5. Select and utilize appropriate methodologies to conduct research, analyze, and interpret resulting data.

6. Prepare a thesis or research report describing their research project.

7. Communicate clearly in ways appropriate to their area of specialization.

8. Demonstrate fundamental knowledge in the broad areas of specialization represented in the Department of Kinesiology. (Non-Thesis based track)

9. Demonstrate an understanding of the major current and past theories, research findings, methodologies and techniques in each of the broad areas of inquiry represented within the Department of Kinesiology.

10. Retrieve and examine scientific literature, evaluate evidence for and against hypotheses, and be able to discuss strengths and weaknesses in existing literature.

11. Recognize and apply principles of professional and ethical conduct. (Thesis-based tracks)

12. Use scientific rigor when designing experiments, collecting and analyzing data, interpreting and reporting results.

13. Recognize and apply principles of professional and ethical conduct. (Non-Thesis based track)