

Department/Academic Unit: Mathematics and Statistics

Degree Program: MSc

Degree Level Expectations, Learning Outcomes, Indicators of Achievement and the Program Requirements that Support the Learning Outcomes

Expectations (general descriptors from OCAV)	Learning Outcomes (program specific)** This degree is awarded to students who demonstrate...	Indicators of Achievement As evidenced by...	Relevant Courses and academic requirements (requirements that contribute to the achievement of learning outcomes and degree expectations)
Depth and breadth of knowledge	Learning outcome: Advanced graduate level expertise in at least one subject area (chosen from Analysis, Algebra, Probability and Statistics, and Geometry and Topology) and basic knowledge in at least one other subject area.	Indicator: Performance in one or more core graduate level courses (for advanced knowledge) and performance in introductory level graduate courses (for basic knowledge). 895, 896, 901, 902, 903, 905, 912,	913, 915, 922, 923, 925, 932, 933, 935, 936, 937, 939, 942, 943, 945, 972, 973, 975 STAT 853, 854, 855, 856, 857, 862, 864, 865, 866, 867, 870, 871, 873, 886, 952, 953, 955, 962, 963, 965
Research and scholarship	Learning outcome: An ability to read and demonstrate an understanding of mathematical and/or statistical research literature.	Indicator: Report writing and presentations, either as a part of explicit research activity, a course, or a seminar.	MATH 800, MATH/STAT 898, MATH/STAT 899, STAT 888
Application of Knowledge	Learning outcome: The ability to assimilate mathematical and/or statistical knowledge beyond the mere repetition of knowledge acquired in courses. In addition, for applied mathematics and statistics, facility with the application area as well as how mathematics and/or statistics contributes to this application.	Indicators: (1) Written work in the form of a thesis or project report and (2) oral presentations in seminars and in thesis defence or project presentation.	MATH 800, MATH/STAT 898, MATH/STAT 899, STAT 888

