M.Sc. Courses Offered
The department of Statistics and Operations Research offers the following Master’s Science Degrees:
Course 1 Master of Science in Statistics
Course 2 Master of Science in Operations Research

For all courses:
Postnominal: M.Sc.(Melit.)
NQF level: Level 7
Mode: Mainly by Research
Duration: Full Time - 3 Semesters
Part Time - 5 semesters

Who Can Apply?
To follow any of the above mentioned courses one has to be in possession of a Bachelor’s of Science degree in Statistics and Operations Research, with at least second class honours, from the University of Malta or an overseas qualification in Statistics and/or Operations Research which is of an equivalent Standard. This degree must have been obtained in the 10 years previous to the registration for the course.

How To Apply:
Applications are submitted online through the University of Malta Website. Before applying, it is highly recommended that you send an email to the Post Graduate Coordinator who will guide you through the process. It would be helpful if in this email you provide the following information:
• What areas would you be interested in working on for your dissertation.
• Whether you have already made contact with a member of staff who would be willing to be your supervisor.
• Detailed Curriculum Vitae.

Contact Details
Address:
Department of Statistics and Operations Research
Faculty of Science
Mathematics and Physics Building
University of Malta
Msida, Malta
Phone: +356 2340 2457
Email: stator.sci@um.edu.mt

Visit our Website and FaceBook pages:
https://www.um.edu.mt/science/stator
https://www.facebook.com/um.stator/
Choosing an M.Sc. in Statistics or Operations Research

Our exciting and challenging MSc courses offer an excellent balance between theory and application, covering modern techniques in statistical analysis, operations research and probability.

These courses aim at enhancing the research and data analysis ability of the student by providing advanced training in methods and computational tools for data analysis that companies and research organizations value. Students develop transferable skills to a professional level. Such skills potentially open the door for promotions in current occupation, better job opportunities, or to further academic training.

Our graduates find exciting job opportunities in a number of fields which include amongst others: insurance, finance, gaming, education, and health.

Our Department

Our department was founded in May 1997 and has since been housed in the Mathematics & Physics building on the University of Malta campus. Since inception, the Department has dedicated its efforts to the promotion of the academic disciplines of Probability, Statistics and Operations Research through instruction, research activities and publicity.

Objectives of the Department

As a department we strive to focus our under-graduate and post-graduate programmes to cater for the needs of the industry and in the development of the local society.

As a department we strive to keep the courses we offer up to date with the current developments in our areas of study.

Course Structure

Students are requested to select three 10-ECTS study units, aimed at assisting them in acquiring the theoretical knowledge and statistical skills in completing 60-ECTS dissertation.

The course structure centres around this 60-ECTS dissertation which should combine theory and application, on one from a wide range of advanced topics related to Probability, Statistics or Operations Research.

Topics Covered at M.Sc. Level

Some of the topics covered include:

Stochastic Processes (which include but are not limited to Point Processes, Brownian motion, Levy processes, Martingales), Latent Class models, Structural Equation models, Multilevel models, Multivariate analysis, Time series, Robust statistics, Bayesian statistics, Scheduling, Stochastic programming, Inventory models, Risk theory and topics in Topological vector spaces, Numerical analysis, Functional analysis, Statistical Learning, Spatial and Spatio-temporal statistics.