

Operations Research

Operations Research (OR) is a graduate program of an interdisciplinary nature, governed by an administrative board and the program committee, and administered through the office of the program director.

Master's Degree Requirements

The Master of Operations Research degree is a terminal graduate degree for students who seek careers as OR practitioners in either the private or public sector. The M.S. degree is designed to prepare students for careers in research and development.

Doctoral Degree Requirements

The Ph.D. degree is intended for students to be research scientists in industry or teachers and researchers in academia. This degree requires a minimum of 72 hours of graduate credit beyond the bachelor's degree, including coursework in major and minor areas of concentration together with credit for doctoral research and dissertation preparation. A departmental written qualifying examination is required. For students who have completed a Master's degree from another institution prior to joining the Ph.D. program, a minimum of 54 hours of additional graduate credit are required.

Student Financial Support

Both teaching and research assistantships are available to qualified applicants. Award priority is given to Ph.D. then M.S. applicants. Outstanding students who are U.S. citizens and who shall be enrolled in the NC State Graduate School for the first time are eligible for the Engineering Dean's Graduate Fellowship Program.

More Information

Operations Research Program Website (<http://www.or.ncsu.edu/>)

Admission Requirements

Applications are accepted from undergraduate majors in all technical disciplines. Applicants should have had at least four math courses beyond calculus (e.g., courses in differential equations, linear algebra, probability and statistics, and mathematical analysis). Knowledge of a computer programming language is recommended, but not required. GRE is optional (though highly encouraged) for students applying with a degree from a US institution in a related major and is required otherwise.

Applicant Information

Operations Research (MS and PhD)

- **Delivery Method:** On-Campus
- **Entrance Exam:** GRE - exceptions apply, see above
- **Interview Required:** None

Operations Research (MR)

- **Delivery Method:** On-Campus, Online, Hybrid
- **Entrance Exam:** GRE - exceptions apply, see above
- **Interview Required:** None

Application Deadlines

- **Fall:** March 1 (Aid); June 25 (Adm. Only)
- **Spring:** November 25
- **Summer 1:** March 25
- **Summer 2:** May 10

Degrees

- Operations Research (MR) (<http://catalog.ncsu.edu/graduate/interdisciplinary/operations-research/operations-research-mr/>)
- Operations Research (MS) (<http://catalog.ncsu.edu/graduate/interdisciplinary/operations-research/operations-research-ms/>)
- Operations Research (PhD) (<http://catalog.ncsu.edu/graduate/interdisciplinary/operations-research/operations-research-phd/>)
- Operations Research (Minor) (<http://catalog.ncsu.edu/graduate/interdisciplinary/operations-research/operations-research-minor/>)

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