



# MASTER'S PROGRAM IN APPLIED AND COMPUTATIONAL MATHEMATICS AND STATISTICS: Creating Problem Solvers

*The University of Notre Dame offers an intensive 11-month program where students can earn a Master of Science in Applied and Computational Mathematics and Statistics, with a specialty in Predictive Analytics, Applied Statistics, or Applied and Computational Mathematics.*



## Careers

**Applied Statistics:** marketing analysis, clinical trials for drug discovery, experimental design for new product development, business analytics

**Applied and Computational Mathematics:** algorithm development, computational biology, modeling, simulation, design and analysis

**Predictive Analytics:** sales and marketing analysis, website traffic analysis, actuarial data analysis, health-care analytics, industrial internet

*“Notre Dame teaches performance, community, respect, integrity, diversity, teamwork, and balance—those values make organizations like PNC successful in the long run.”*

*—James E. Rohr, Chairman and C.E.O. of PNC Financial Services Group and Notre Dame Alumnus*

## Notre Dame Advantage

**In-depth Instruction:** Classes are taught at a quantitatively sophisticated level, enabling students to learn at a breadth and depth uncommon in one-year programs.

**Flexibility:** Students have the ability to tailor the program by substituting required classes with a wide range of courses in their areas of interest.

**Experience:** Many of our faculty are experts in statistical analysis, modeling, and computation who also have practical experience in industries such as pharmaceuticals.

**Preparation:** As part of the curriculum and through the presentation of class projects, students learn the skills necessary to professionally present their work to non-technical audiences.

**Opportunity:** Notre Dame's Career Center hosts career fairs for students seeking jobs in business analytics, health care, biotechnology, and engineering. It also provides students with training in effective job search techniques, interviewing, and professional presentation.

**Connections:** Our famously strong alumni network connects our program directly with key potential employers. Top employers regularly recruit Notre Dame graduates on site.

*Positions of previous graduates include: Investment Banking Analyst, Advanced Risk and Compliance Analyst, Proprietary Trader, Analytic Researcher, Actuarial Analyst, Valuation Services Associate, and Associate Consultant.*

For more information, please contact Dr. Steven Buechler at [buechler.1@nd.edu](mailto:buechler.1@nd.edu), or visit: [acms.nd.edu/graduate-programs/professional-master-s-programs/](http://acms.nd.edu/graduate-programs/professional-master-s-programs/).



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