

Applied Statistics and Research Methods

Master of Science



Technical Skills and Practical Experience

Develop advanced skills to analyze complex data sets, both quantitative and qualitative, design large studies, work with data using the latest statistical and qualitative analysis software and design effective research methodologies. In this program at UNC, you'll gain highly marketable skills you can apply to diverse careers, through a course of study that

moves beyond theory, emphasizing hands-on experience and practical applications of technical skills. Courses are designed to help you grow your professional abilities and advance your career. Our master's program provides students with a broad understanding of appropriate applications of statistical and research methodology and with experience in using computers effectively for analysis.

Career Pathway

Apply your knowledge of statistical methods and research design to a variety of subject areas, such as biology, economics, engineering, medicine, public health, psychology, marketing and education.

Career options for graduates include:

- Data analyst
- Experimental design
- Community college instructor
- Evaluation or assessment specialist
- Statistical consultant
- Research consultant
- Applied statistician

Degree Options

Students can choose to focus their studies in either Applied Statistics or Research Methods.

- **Summer's Only Research Methods Concentration** - this option is popular with many teachers. Students can complete their master's degree in three summers, with classes offered during the months of June and July.

Program Details

- Greeley Campus Delivery, with some courses available online
- Credits Required: 30
- Time to Completion: 1.5 years or three semesters plus one summer
- Classes Start: Fall or Spring semesters

Related Programs

- Mathematics Teaching, M.A.
- Technology, Innovation and Pedagogy, M.S.
- Applied Statistics and Research Methods, Ph.D.

Cost and Value

Tuition rates are based on the 2021-22 Academic Year:

Colorado Resident Tuition: \$633 per credit hour plus fees.

Non-Resident Tuition: \$1,185 per credit hour plus fees.

UNC is regularly recognized as a top value for both resident and nonresident students, and the university offers financial aid packages for qualified students. For more information, visit [UNCO.EDU/COSTS](https://unco.edu/costs).

What Students Say

“The chance to work with a diverse variety of learners and researchers give ASRM students a unique perspective into the interdisciplinary world of statistical consulting, fostering a valuable understanding of research best practices and effective communication.”

— Alex Higgins, 2018 ASRM M.S. student

Financing your Education

UNC offers a variety of financial support options, including:

- Several competitive graduate assistantships
- Colorado resident tuition for students from 15 western states is offered through the Western Regional Graduate Program. To see if you qualify visit [UNCO.EDU/GRADUATE-SCHOOL/FUNDING/WESTERN-REGIONAL-GRADUATE-PROGRAM.ASPX](https://unco.edu/graduate-school/funding/western-regional-graduate-program.aspx)
- For more information contact Financial Aid at [UNCO.EDU/OFA](mailto:unco.edu/ofa).

Faculty Spotlight

Susan Hutchinson, Ph.D.

Susan Hutchinson received her Ph.D. in applied measurement from the University of Georgia in 1994. She specializes in structural equation modeling, applied measurement and survey research methods. Her research has focused primarily on methodological issues related to structural equation modeling and applied measurement, particularly in the area of validity generalization.

Program Contact

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About UNC Graduate School

The University of Northern Colorado, founded in 1889, is Colorado's right-sized doctoral research university, serving a diverse student body around the world. Given its size, program mix, and mission, UNC offers students the access and opportunities of a small college along with the nationally recognized programs, research funding and facilities that come with being a leading U.S. university. Students seeking preparation for a world (and workplace) full of opportunities and options, complexities and cultures, diversity and demands, will find faculty mentors and excited fellow students to engage with here at UNC.



UNC

UNIVERSITY OF NORTHERN COLORADO

Graduate School

[UNCO.EDU/GRADUATE-SCHOOL](https://unco.edu/graduate-school)