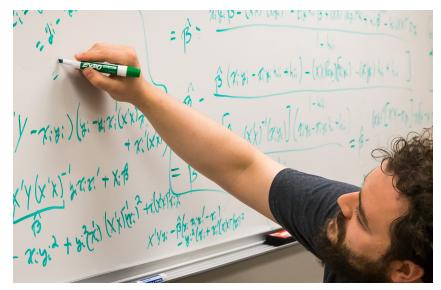


Applied Statistics and Research Methods

Doctor of Philosophy





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 software 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. The Ph.D. program provides students with a deep understanding of appropriate applications of statistical and research methodology and with experience in using advanced techniques and methods for statistical analysis. The ASRM department is committed to a supportive, educative approach within our caring and diverse national and international student, staff and faculty community.

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:

- University professor
- · Research specialist
- Data analysis consultant

Degree Options

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

• In the Research Methods emphasis, you'll explore a range of methodologies, whereas the Applied Statistics emphasis bridges the gap between statistical theory and practice, focusing on issues that statisticians face in the workforce.

Program Details

- Greeley Campus Delivery
- Credits Required: 64
- Time to Completion: Three to eight years
- · Classes Start: Fall or Spring semesters

Related Programs

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

Cost and Value

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

Colorado Resident Tuition: \$685 per credit hour plus fees.

Nonresident Tuition: \$1,296 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**.

What Students Say

"This program exposes students to a variety of statistical methods, and does a very good job of showing application in addition to digging into some of the theoretical underpinnings of those methods, which certainly augments a deeper understanding of the application. The departmental environment is extremely collaborative, and the professors want to see students succeed."

Austin Brown, 2018 ASRM Ph.D. student

Financing your Education

UNC offers a variety of financial support options, including:

- Several competitive teaching and graduate research assistantships are available
- 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
- For more information contact Financial Aid at 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

Khalil Shafie H., Ph.D. Professor Khalil.shafie@unco.edu 970-351-2591

Kayleen Allen Graduate Admissions Counselor kayleen.allen@unco.edu 970-351-1711



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.



Graduate School

UNCO.EDU/GRADUATE-SCHOOL