



STEM AT UNC



SCIENCE



TECHNOLOGY



ENGINEERING



MATH

UNC

UNIVERSITY OF
NORTHERN
COLORADO

unco.edu/admissions



Consider UNC...

...If you love your STEM classes and are excited about pursuing your passion in college;

...If you want to spend more time doing hands-on research and working with faculty directly in the field;

...If you want to work side-by-side with outstanding faculty who love to teach and involve their students in real-world research.



SMALL CLASSES.



BIG OPPORTUNITIES.



OUTSTANDING TEACHERS.

UNC

Science

Our alumni work in a range of science-related fields, including careers as health-care providers, teachers, dietitians, speech therapists, mathematicians, criminologists and gerontologists. You may choose to go onto graduate programs for advanced study. No matter which area you choose, your passion for science can help you make a difference locally and globally.

UNC Majors

BIOLOGICAL SCIENCES

- Cell and Molecular Biology
- Ecology and Evolutionary Biology
- Pre-Health and Biomedical Sciences
- Secondary Teaching

CHEMISTRY AND BIOCHEMISTRY

- Biochemistry
- Brewing Laboratory Science
- Chemistry
- Forensic Science
- Industrial Chemistry
- Pre-Health
- Secondary Teaching

EARTH AND ATMOSPHERIC SCIENCES

- Environmental Earth Sciences
- Geology
- Meteorology
- Secondary Teaching

ECONOMICS

EDUCATION

- Psychology
- School Psychology

ENVIRONMENTAL AND SUSTAINABILITY STUDIES

GEOGRAPHY

- Geography
- Geographic Information Sciences

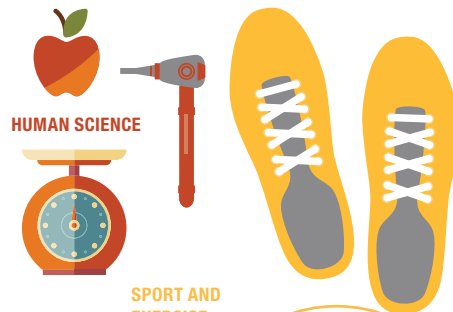
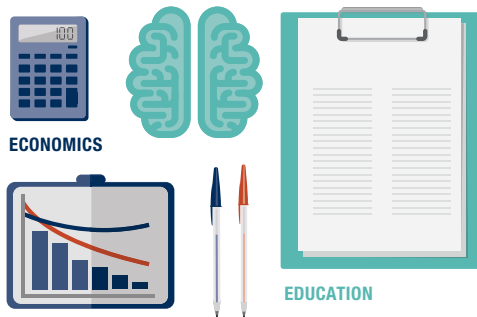
HUMAN SCIENCE

- Audiology and Speech-Language
- Dietetics
- Human Services
- Nutrition
- Recreation Tourism and Hospitality

NURSING

SPORT AND EXERCISE SCIENCE

- Athletic Training
- Exercise Science
- Physical Education K-12 Teaching
- Sports Coaching Science



SPORT AND EXERCISE SCIENCE

FACT:

UNC's Rocky Mountain Cancer Rehabilitation Institute is a leader and pioneer in cancer rehabilitation using Sports and Exercise Science.



Watch a video of UNC Biology Alum Brian Aucone at the Denver Zoo [UNCO.EDU/LIFE/STORIES/BRIAN](https://unc.edu/life/stories/brian)



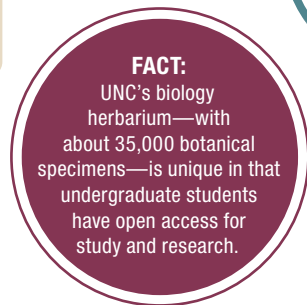
PICTURE YOURSELF HERE:

Assistant professor Wendi Flynn's Meteorology class used Doppler on Wheels (DOW), a National Science Foundation (NSF) funded vehicle that many will recognize from TV appearances on The Weather Channel and shows such as Discovery Channel's Storm Chasers.



EARTH AND
ATMOSPHERIC SCIENCES

GEOGRAPHY



FACT:

UNC's biology herbarium—with about 35,000 botanical specimens—is unique in that undergraduate students have open access for study and research.

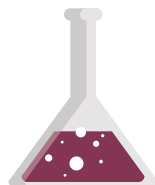


BIOLOGICAL SCIENCES

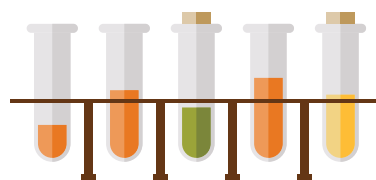


PICTURE YOURSELF HERE:

Undergraduate biology students in Associate Professor Mitchell McGlaughlin's intensive Field Botany course spent a week working alongside a Bureau of Land Management state botanist to collect data aimed at protecting the endangered Colorado hookless cactus.



CHEMISTRY AND BIOCHEMISTRY



NURSING

ENVIRONMENTAL
AND SUSTAINABILITY
STUDIES

Technology

Technology crosses virtually every discipline at UNC, from our Theatre Design and Technology program to Software Engineering. Our alumni are employed in a wide range of positions, from lighting technicians and photographers to software engineers and math teachers. For example, 100 percent of our graduates from Theatre Design and Technology find professional employment or placement in nationally recognized graduate programs.

UNC Majors



ARTS

Computer Graphics
Photography
Music Technology
Theatre Design and Technology



MATHEMATICS

Applied Mathematics
Computer Science



BUSINESS

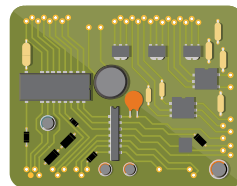
Computer Information Systems
Software Engineering



Watch a video on UNC's CIS emphasis at
MCB.UNCO.EDU/DEPARTMENTS/CIS



BUSINESS



FACT:

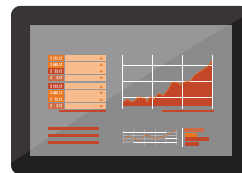
Ashley Cooper,
CIS graduate in 2011,
was one of 100 students
nationally to be named
a Microsoft Student
Partner.



PICTURE YOURSELF HERE:

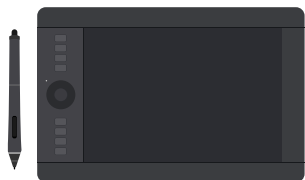
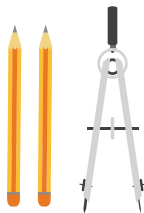
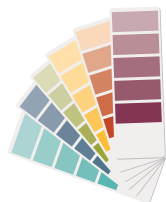
UNC Army ROTC cadet and Computer Information Systems graduate Ian Reynoso was selected as one of 15 officers to enter a new branch of service – the Cyber Mission Force (CMF). Reynoso and the 14 other cadets were selected from the 5,600 cadets in their group to pioneer a new effort by the Army to develop a cyber-defense command that can counteract attempts by adversaries around the world that attempt to infiltrate Army computer systems.

MATHEMATICS





ARTS



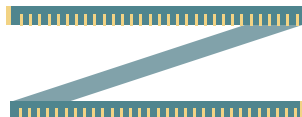
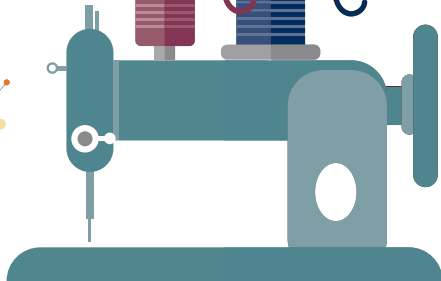
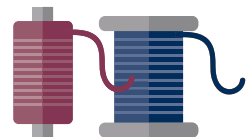
FACT:

The Music Technology Center houses 33 new iMac digital audio workstations and 16 MacBook workstations in the keyboard lab, each with its own new Roland HP203 88-key digital piano with complete MIDI integration.



PICTURE YOURSELF HERE:

The computer-created artwork of five UNC art and design students was accepted for a prestigious international competition in Vancouver, Canada in conjunction with the International Conference on Computer Graphics and Interactive Techniques, widely considered the most prestigious forum for the publication of computer graphics research.



Engineering

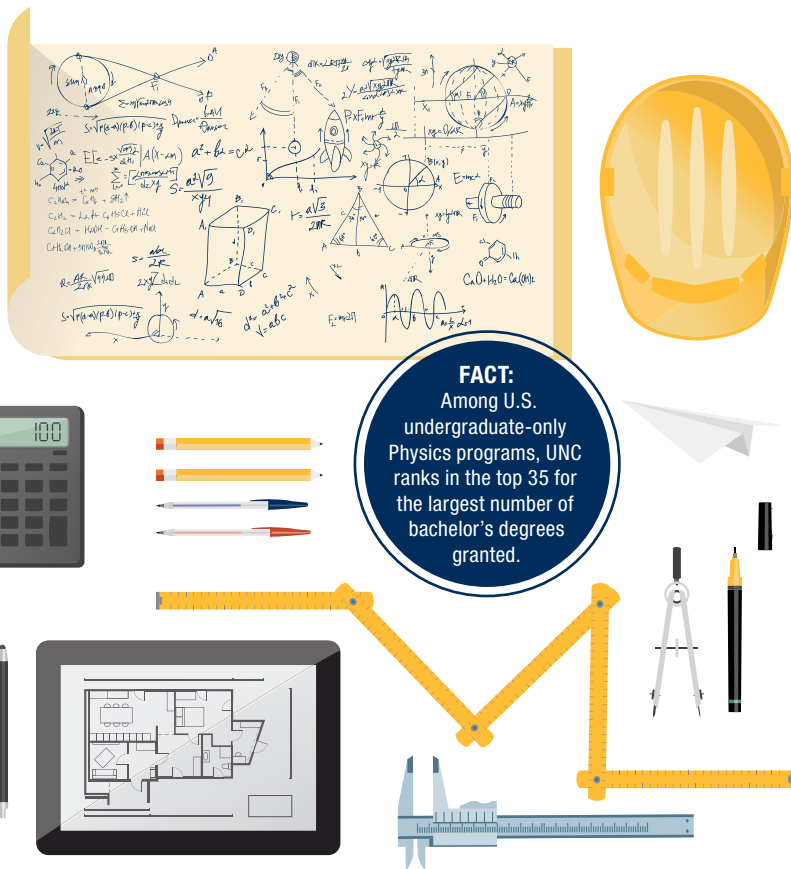
Do you love physics? Our outstanding physics program offers students a range of opportunities, from partnering with NASA for research to starting a company with entrepreneurial vision, like the Sphero's co-founder and alum Adam Wilson. And our physics program—while offering big opportunities in the field—also offers one-on-one collaboration with outstanding faculty in the lab.

UNC Majors

● PHYSICS

- Astronomy
- Engineering Physics
- Mathematical Physics
- Physics Secondary Teaching

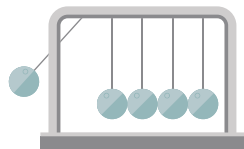
 Check out a video of Rob Shiely, UNC Physics Alum [UNCO.EDU/LIFE/STORIES/ROB](https://unc.edu/life/stories/rob)



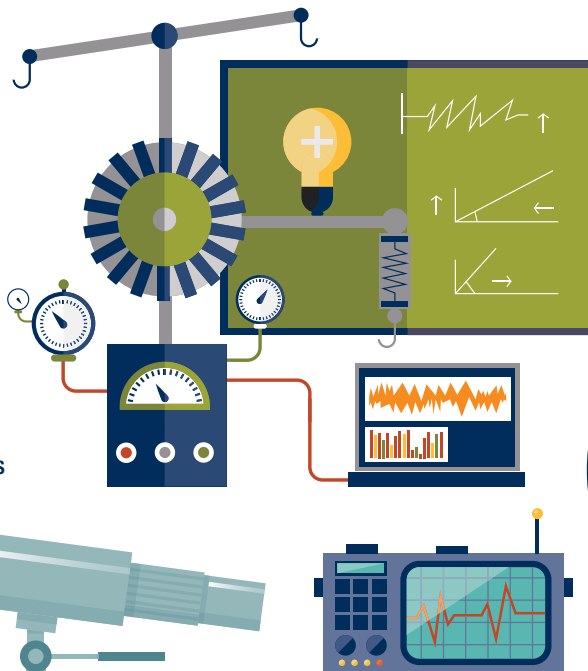
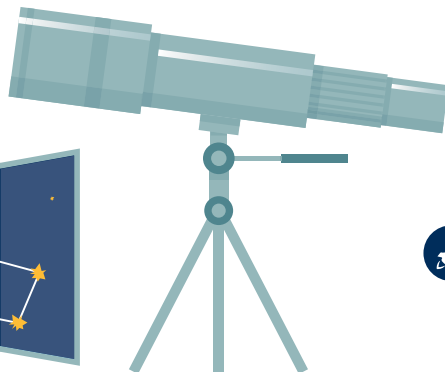
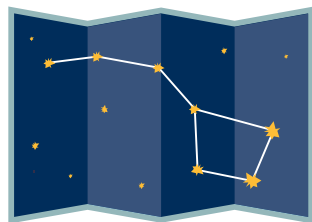
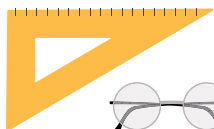


PICTURE YOURSELF HERE:

UNC physics and math graduate Adam Wilson co-founded Orbotix and developed the smartphone controlled “Sphero” robot that has been garnering viral internet attention. It has appeared on “Big Bang Theory,” “American Horror Story” and in the twitter feed of actor Neil Patrick Harris, as well on a YouTube appearance with President Obama.



PHYSICS



FACT:

Through a \$320,000 grant from The Physics Teacher Education Coalition, UNC and the Colorado School of Mines are developing a collaborative teacher preparation program into a national model for STEM teaching. The joint program is among four programs selected nationally.



PICTURE YOURSELF HERE:

UNC physics majors created an experiment, coordinated with NASA, that was successfully jettisoned from a NASA sub-orbital rocket into outer space 76 miles above Earth. As it fell toward earth, the capsule the students built collected atmospheric density data that was transmitted to a radio receiver still in the rocket.

Mathematics

With small classes, innovative programs and approachable professors, you'll be able to turn your passion for mathematics into a career as a business professional, high school teacher, mathematician or professional in computer and mathematical operations. Classes range from mathematical modeling and computer programming to abstract algebra and geometry.

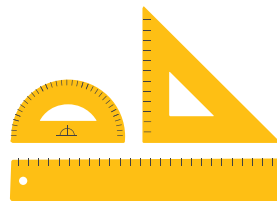
UNC Majors

BUSINESS
Accounting
Finance

MATHEMATICS
Applied Mathematics
Applied Statistics
Computer Science

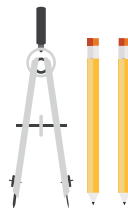


WATCH: Flipped learning for math
[UNCO.EDU/NEWS/RELEASES.ASPX?ID=6175](https://unc0.edu/news/releases.aspx?id=6175)



PICTURE YOURSELF HERE:

An undergraduate UNC mathematics major, Ethan Twisdale, attended "Math in Moscow," a highly selective 15-week program at the Independent University of Moscow, a small, prestigious Russian university for future research mathematicians.



MATHEMATICS



FACT:

The American Mathematical Society recognized UNC's Mathematics Ph.D. program as having the highest percentage of women graduates among all U.S. mathematics departments granting an average of at least two doctorates per year.



Apply

FIRST-YEAR STUDENTS

Apply early — application opens August 1.

GOBEARS.UNCO.EDU

YOU'LL NEED TO SUBMIT:

- 1 Application, available online at **GOBEARS.UNCO.EDU**.
- 2 \$45 non-refundable processing fee, payable online by credit card.
- 3 Official high school transcript, sent directly from your high school to the Office of Admissions.
- 4 Your official ACT or SAT scores — UNC will accept scores from high school transcripts or you can request your scores at **ACT.ORG** with ACT code 0502 or **COLLEGEBOARD.ORG** with SAT code 4074.

QUESTIONS? WE'RE HAPPY TO HELP!

Office of Admissions

Greeley, CO 80639-0006






Email: admissions@unco.edu

Nationwide: 888-700-4UNC (4862)

Fax: 970-351-2984

UNCO.EDU/ADMISSIONS

#UNCBEARS

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-  uncbears.tumblr.com
-  unco.edu/admissions/unctalks
-  [unc_colorado](https://www.instagram.com/unc_colorado)



For more information visit **GOBEARS.UNCO.EDU**.





Visit UNC

Want to know what UNC is really like? Come visit!

When it comes to getting a feel for UNC, there's nothing that beats walking the campus paths with our students, talking with our faculty, touring the classrooms and facilities and soaking in the blue and gold vibe.

DISCOVER UNC

Take a day to visit and explore campus, and find out why UNC is a great fit for you. **Discover UNC** events will give you a chance to meet with current UNC students, faculty and administrators.

You'll be able to:

- Learn more at sessions on admissions, financial aid, the honors program, living on campus, getting involved at UNC and more.
- Find out how to get connected on campus at the information fair.
- Take a campus tour, visit residence halls and have lunch in a dining hall.
- Meet with professors and advisors in your major of interest, and get a sense of the quality education you'll receive.

The University of Northern Colorado is an equal opportunity/affirmative action institution that does not discriminate on the basis of race, color, national origin, sex, age, disability, creed, religion, sexual preference or veteran status. For more information or issues of equity or fairness or claims of discrimination contact the UNC AA/ EEO/ Title IX Officer at UNC Human Resource Services, Carter Hall 2002, Greeley, CO 80639 or call 970-351-2718.



DISCOVER UNC DAYS:

Friday, October 30, 2015

Friday, April 15, 2016

Friday, July 15, 2016

CAMPUS TOURS

Experience campus life at UNC with a half-hour information session and a 90-minute student-led campus tour that generally includes a visit to one of our fabulous residence halls.

Campus tours are offered Monday through Friday and on select Saturdays.



*For more information or to schedule your visit, go to: **UNCO.EDU/VISIT** or call **970-351-2881***



*Apply today at **GOBEARS.UNCO.EDU***



*Your right to know
UNCO.EDU/STUDENTCONSUMERINFO*



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NORTHERN COLORADO

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