



## The journey to your future starts right here at UC College of Arts and Sciences

Get ready for the journey of a lifetime. UC College of Arts and Sciences lets you pursue your major while you experience all the benefits a liberal arts curriculum has to offer—co-op, internship, research and study abroad opportunities, professional development programming, and 60+ majors to help you find your best fit.

As a Bearcat, you can build a custom curriculum for a degree program that's as unique as you are. Combine majors, minors and certificates for greater flexibility in your career choices. Complete your bachelor's and master's in just five years with our 4+1 programs. Take advantage of our world-class faculty. All with the support of your experienced advising team, Learning Communities, and spirited Bearcats just like you.

Why wait? Your future starts today. Get in touch—we can't wait to hear from you!



### Contact Us

513-556-5860 | [artsci@ucmail.uc.edu](mailto:artsci@ucmail.uc.edu)

University of  
**CINCINNATI** | COLLEGE OF ARTS  
AND SCIENCES

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# Physics

**Physics** is the study of the physical laws of nature. Physicists apply these laws to draw conclusions about a wide range of phenomena, from the structures of subatomic particles to planetary motion. Physics majors develop strong analytical skills, learning to produce and examine critically exact quantitative evidence for theories about the workings of the universe. Includes Astrophysics track.

## **Bachelor of Arts (BA) and Bachelor of Science (BS) degrees offered. What's the difference?**

The BS program is designed with some flexibility to allow for a variety of career goals. Includes lecture courses in all major fields of physics and is sufficiently rigorous to enable graduates to be admitted to top graduate schools.

The BA program is designed with greater flexibility than the BS program for a broader variety of career goals. Includes lecture courses in all major fields of physics to accommodate pre-medical requirements, double majors, and custom-designed interdisciplinary studies programs.

## **Examples of our unique degree possibilities**



**BA, minor in Mathematics w/ a certificate in Arabic Language & Culture**

### **Popular Minors**

- Biological Sciences
- Mathematics
- Environmental Studies

**BS, minor in Geology w/ a certificate in Film & Media Studies**

### **Popular Certificates**

- Chemistry
- Pre-Medicine
- Computational Science

### **Special Opportunities for Physics majors**

**4+1 Bachelors and Masters degrees** earn both degrees in just 5 years

**3 Year Program** — students with Advanced Standing Credit or who attend during the summers may finish the degree in 3 years

### **Study Abroad Opportunities**

Opportunities to study abroad are available to students in all majors within the College of Arts & Sciences. Students may choose from different types of study abroad opportunities to include UC Faculty-Led Programs, Exchange Programs and External Programs. Top destinations include France, China, Spain, Germany, Italy, Canada, India, Mexico and the United Kingdom.

### **Career Possibilities**

Physician, Professor/teacher, Planetarium operator, Researcher, Telescope operator, Museum curator

### **Cool Classes**

How Things Work: From Roller Coasters to Superconductors, The Physics of Sound and Music, World of Energy



## **Madelyn Leembruggen**

**Majors:** BS-Physics, BA-Mathematics

**Distinctions:** University Honors Program, Cincinnatus Scholar, LSAMP Scholar, Violet M. Diller Fellowship

**Involvement:** Arts & Sciences Ambassadors, Honors Ambassadors, Learning Assistance Center (LAC) Peer Tutor/Mentor, Student Advisory Committee on the University Budget (SACUB), Volunteer at science outreach events (most recently at the Cincinnati Observatory's ScopeOut).

*"Study abroad was the best thing I could have done for myself in college. I gained confidence in my capabilities, acceptance for who I am, and clarity about who I want to become. The friends and cultural perspective I found abroad will stick with me for the rest of my life."*

**Future:** In the future I plan to attend graduate school for physics, focusing on cosmology research. After earning my doctorate I hope to research and teach at a university level. My dream job is to curate a planetarium or work in public education and popular science.

## **Ready to Begin?**

For more information about this program please contact:

Your A&S Recruitment Team at [artsci@ucmail.uc.edu](mailto:artsci@ucmail.uc.edu)

**Visit us online:**  
[artsci.uc.edu](http://artsci.uc.edu)