

# BXA INTERCOLLEGE DEGREE PROGRAMS

## The BXA programs combine coursework in both creative and academic disciplines.

Students who have goals that can only be achieved by integrating creative and academic work are ideally suited to the BXA programs, which promote innovative approaches to disciplinary topics. BXA students create new knowledge and challenge definitions. BXA students are independent, motivated and well-rounded scholars and artists.

## PROGRAMS

### Bachelor of Humanities and Arts (BHA)

This intercollege degree is jointly offered by Carnegie Mellon's College of Fine Arts (CFA) and Dietrich College of Humanities and Social Sciences (DC). The program provides depth in one of the fine arts disciplines as well as well-rounded exposure to the humanities, social and behavioral sciences.

### Bachelor of Science and Arts (BSA)

This program is for students who wish to explore dual interests in the College of Fine Arts (CFA) and the Mellon College of Science (MCS). The goal of this degree program is to allow uniquely qualified students the opportunity to pursue their interests in the fine arts and the sciences simultaneously.

### Bachelor of Computer Science and Arts (BCSA)

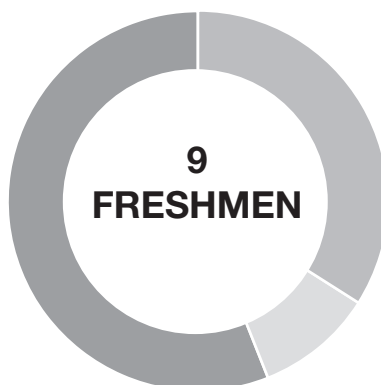
This program provides an ideal technical, critical and conceptual foundation for students pursuing fields that comprehensively meld technology and the arts, such as game design, computer animation, computer music, interactive stagecraft, robotic art and other emerging media. It integrates interests in the College of Fine Arts (CFA) and the School of Computer Science (SCS).

## FIRST-YEAR STUDENTS

Bachelor of  
Humanities  
and Arts  
**56%**

Bachelor of  
Science and Arts  
**34%**

Bachelor of  
Computer  
Science  
and Arts  
**10%**



## Favorite First-Year Courses

The BXA Freshman Interdisciplinary Seminar introduces first-year students to arts-based research through the model of the Cabinet of Wonder/Wunderkammer. Students study modes of representation across media before creating a final project to be presented in an exhibition at the end of the semester. Recent projects have adapted and remixed course texts into new genres and media, including short films, animations, video games, and 2-D and 3-D art objects.

BXA students take academic courses and creative studios alongside majors in those disciplines. A BXA student's first-year schedule will reflect his or her specific concentrations, and may include Concept Studio (Art), Instrumental Ensemble (Music), Design Studio and Drawing (Design), Architectural Drawing (Architecture) or Fundamentals of Drama (Drama), as well as academic courses in DC, MCS or SCS.

### BXA Admitted Student Statistics

SATCR	SATM	SATWR	ACTE	ACTM	ACTC
720-790	730-790	700-790	34	33	33

Rank **3%** GPA **3.83**

*Over half of BXA students enter the programs as internal transfer students. Internal transfer applications are considered every semester.*

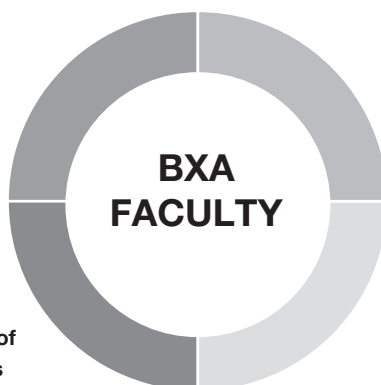
## FACULTY

Dietrich College  
**DC**

Mellon College  
of Science  
**SCS**

College of  
Fine Arts  
**CFA**

School of  
Computer  
Science  
**SCS**



## Notable Faculty

- BXA provides access to four strong colleges that offer specialized training with expert faculty and researchers.

## GRADUATE SUCCESS

Employed and  
Freelance  
**23%**

Plans  
Pending  
**18%**

Grad  
School  
**49%**

Volunteer,  
Military,  
Other  
**10%**



## Alumni Accomplishments

Jonathan Minard (BHA'07) is **co-writer and director of the film *Archive***, winner of the Sundance Institute 2015 Sloan Fellowship to support science and technology themes. He also created *Clouds*, an interactive movie presented in virtual reality, which premiered as part of New Frontier at the Sundance Film Festival in 2014, and was awarded Best Interactive Film at the Tribeca Film Festival.

Jessica Phillips-Silver (BHA'99) is an **associate researcher in neuroscience and adjunct professor of music at Georgetown University**. She documented the first case of the musical disorder "beat deafness" and has studied people who have trouble connecting physically with rhythm.

## Employment

A BXA Intercollege degree prepares students for graduate study and careers in an enormous variety of fields, including traditional graduate training in the arts as well as academic areas, positions in arts and education non-profits such as museums and foundations, and technical positions with media and technology companies.

- Fifty-six percent of the 2015 **graduating class achieved University Honors** with a QPA of 3.5 or higher.

## Student Awards

- Courtney Wittekind (BHA'13) is Carnegie Mellon's **first student to win the Rhodes Scholarship** in the arts and humanities. She is working toward a D.Phil. at Oxford focusing on art, activism and anthropology on behalf of displaced persons and refugees.
- Since 2008, **eight BXA students have been awarded Fulbright Fellowships** to research and teach in Mongolia, Finland, Netherlands, Indonesia, Thailand, Turkey, India and Malaysia.

## RESEARCH

### Buggy Crash Testing

This project researches the effects of dangerous crashes in Buggy, based on previous crash record analysis. Rachael Schmitt (BHA'15) used a crash test dummy to test the structure and momentum of the buggies during a crash and the impact force on the driver. The results will help to inform safety and construction standards.

### The Model Organism

The photographic exhibit at the Center for PostNatural History is the creation of Rachel Willen (BSA'15). The focus is on the concept of the model organism and its use in biological research, specifically *Arabidopsis Thaliana*, the fruit fly, and the chicken embryo.

### Automatic Carnatic Raaga Classifier




Divya Mouli's (BCSA'15) project explores the use of machine learning techniques in the classification of Carnatic Raagas, which are musical modes of the South Indian classical music style. The culmination of this research is the development of an application that accepts audio input and returns a classification of its musical mode.

## DID YOU KNOW?

1. Forty-one graduating seniors completed a **BXA Capstone Project** in 2015, with objects ranging from:
  - a video game about relationships,
  - a dance narrative film,
  - a research study investigating how different types of music affect behavior in the pediatric dental office, to
  - a new zombie apocalypse musical.BXA students find their Capstone Projects to be an essential component of their undergraduate story, showing how success can be measured not just by their final output, but also by the process that got them to that point. The BXA Capstone sequence covers both semesters of a student's senior year in consultation with the BXA director and an expert in a chosen field of interest.
2. BXA students are encouraged to **study abroad to broaden their interdisciplinary experience**. In the last five years, over one-third of BXA graduating seniors have studied abroad.
3. BXA students **receive advising support** from many quarters — in addition to a primary BXA advisor, students are also required to stay in contact with a CFA advisor and an advisor in their academic concentration.

## Carnegie Mellon University

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