

BXA INTERCOLLEGE DEGREE PROGRAMS (BXA)

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 interdisciplinary topics. BXA students create new knowledge and challenge definitions. BXA students are independent, motivated and well-rounded scholars and artists.

PROGRAMS

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 CFA and SCS.

Bachelor of Humanities and Arts (BHA)

This intercollege degree is jointly offered by CFA and DC. The program provides depth in one of the fine arts disciplines in combination with a concentration in one of the majors or minors offered by DC, including Psychology, Creative Writing, Decision Science and many more.

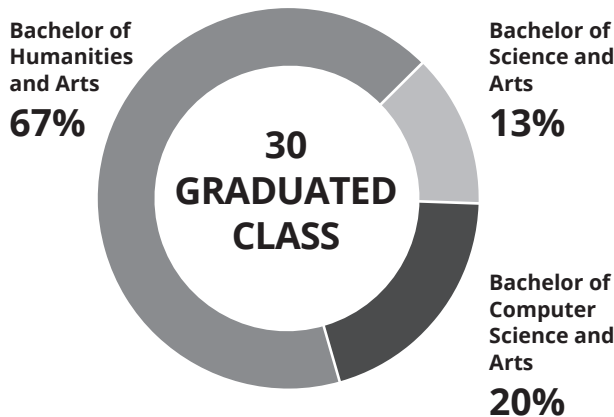
Bachelor of Science and Arts (BSA)

This program is for students who wish to explore dual interests in CFA and MCS. The goal of this degree program is to allow uniquely qualified students the opportunity to fuse their chosen areas of study in the fine arts and the sciences.

Engineering and Arts (EA) Additional Major

This program allows Engineering majors the ability to incorporate a CFA concentration and interdisciplinary courses to expand their field of study. Students graduate with engineering licensure and are prepared to work in creative, collaborative and entrepreneurial environments.

GRADUATED CLASS – SPRING 2018



BXA Admitted Student Averages

SAT-ERW*	SAT-M*	ACTE	ACTM	ACTC
720-770	740-790	35	32	34

Rank 4% GPA 3.92 *Middle 50% range

Over half of BXA students enter the program as internal transfer students. Internal transfer and additional major applications are considered every semester.

Popular Freshman Courses

The BXA Freshman Interdisciplinary Seminar introduces freshman 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 2D and 3D art objects.

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

FACULTY

Dietrich College
DC

Mellon College of Science
MCS

College of Fine Arts
CFA

College of Engineering
E

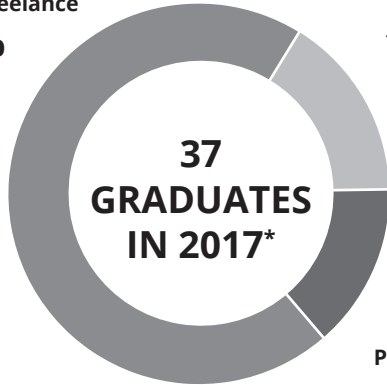
School of Computer Science
SCS

Notable Faculty

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

GRADUATE SUCCESS

Employed
and Freelance
70%



Grad
School
16%

Plans
Pending
14%

**37
GRADUATES
IN 2017***

*Percentages recorded as of January 2018

Alumni Accomplishments

Kathy "Yaeji" Lee (BHA 2015) is a rising singer, DJ and producer who is packing clubs and festivals in the U.S. and Europe. Known for her unique style of mixing American and Korean lyrics, she has played Coachella, covered in *Fader* magazine and highlighted as Billboard Dance's "Ones to Watch."

Kim Markel (BHA 2006, HNZ 2007) is named by Dwell among their "Young Guns 2017: New Designers Making Waves" for her recycled plastic Glow Chair, which received several design and innovation awards.

Employment

A BXA intercollege degree prepares students for graduate study or additional training in the arts and other academic areas. Recent graduates have pursued medical, dental, law, professional, MFA and Ph.D. programs at top ranking institutions such as Columbia, Harvard, MIT and Penn.

In addition, students are prepared for careers in a variety of fields, including positions with arts and education nonprofits like museums and foundations, as well as technical positions with media and technology companies.

Student Awards

Zaria Howard (BHA 2018), with professor Golan Levin, won a National Endowment for the Humanities grant for advanced computer analysis of the Teenie Harris Archive at the Carnegie Museum of Art.

Theo Teichman (BSA 2018) was awarded the Gindroz Prize for Travel, as well as the Fulbright Research Grant to study music composition in Belgrade, Serbia. He is one of nine BXA students who have been awarded Fulbright Fellowships to research and teach in Mongolia, Finland, Netherlands, Indonesia, Thailand, Turkey, India and Malaysia since 2008.

RESEARCH



Is That a Clarinet?

Jiayin Xie (BCSA 2018) created a MIDI-compatible clarinet synthesizer based on how instruments respond under normal conditions in order to make playback of new compositions more realistic.



Expressive!

Amy Lin (BHA 2018) produced an art therapy activity book that uses the medium of art to facilitate expressive communication, reduce stress and promote self-reflection.



Elemental Instruments

Spenser Tejada (BSA 2018) utilized the similar spatial structure of harmonic frequencies and atomic energy levels to generate timbres for elements on the periodic table.



Sending Love through Wearable Technology

Caroline Hermans (E 2018; EA additional major) explored romantic wearable technology in the form of a pair of scarves that facilitate the wordless exchange of warmth, love and attention. Partners communicate by touching a capacitive sensor embedded in their scarf, which signals the other person's scarf to warm up using a heating pad.

DID YOU KNOW?

- 1.** In 2018, 35 graduating seniors completed a **BXA Capstone Project**, including:
 - > an augmented reality installation that explores the imminent encroachment of virtual entities into physical space
 - > a written thesis and photo series studying the Uyghurs and Chinese governance in Xinjiang
 - > the modification of a French horn to throw flames during an improvisatory and visually aesthetic musical performanceBXA 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. These projects are often successfully funded by grant opportunities.
- 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 various academic areas** — 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.
- 4.** **88%** of the 2018 graduating class achieved university and/or college honors.

Carnegie Mellon University

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Change the world