

# **Experience-Based Learning and Career Education at the University of Cincinnati ANNUAL REPORT 2018–19**

Presented by the Division of Experience-Based Learning & Career Education

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**REGARDING ALL DATA IN THIS REPORT UNLESS OTHERWISE INDICATED:**

Students who participated in more than one experience-based learning course are being counted for each enrolled course.

Academic year runs summer semester through spring semester (ex. Academic year 2018 includes summer 2018, fall 2018 and spring 2019).

Home college is frozen at the start of the academic year.

Only degree-seeking undergraduate students were included (excludes dual enrollment and non-matriculated).

Source: UC Institutional Research

## Experience-Based Learning across UC

“As we look to the future, we are defining Co-op 2.0 — our brand for the next generation of work integrated learning. No matter what we call it, we recognize the essential and transformational value of work experiences to the education of students.” - UC PRESIDENT NEVILLE PINTO, WACE WORLD CONFERENCE, AUGUST 2019

UC invented cooperative education in 1906. Since then, we’ve been leading the pack.

#1 Public University for Co-ops and Internships (2020 EDITION OF U.S. NEWS BEST COLLEGES)

Experience-based learning isn’t limited to just co-ops and internships—it takes place in many forms and across all colleges at the University of Cincinnati.

### Record Enrollments

37,935 Experience-based course enrollments (2018–19). This is a 28% increase over five years.

37,935 experience-based course enrollments in 2018-19. Enrollments: (2014-15) 29,657; (2015-16) 31,747; (2016-17) 34,318; (2017-18) 37,617; (2018-19) 37,935

12 types of experience-based learning across UC:

Co-op (19%); Performance & Exhibition (19%); Clinical (11%); Service Learning (10%); Internships (8%); Undergraduate Research (8%); Practicum (7%); UC Forward (6%); Honors (4%); International (4%); Student Teaching & Field Experience (3%); Peer Education (1%)

## Co-op Redefined

Co-op 2.0 is the expansion of co-op. Building from our signature programs in DAAP, Engineering and IT, and Business, we are creating flexible pathways to meaningful, career-oriented, compensated experiences for all UC students. - CO OP 2.0 definition, APPROVED BY UC FACULTY SENATE, 2019

## Full-time Co-op

## Record Placements and Earnings

In 2018–19, UC students participated in nearly 7,300 full-time co-op placements, earning over \$75 million. \*CO-OP WAGE DATA SOURCE: PROFESSIONAL ASSESSMENT & LEARNING (PAL)

## Average Wage by Major

### **College of Design, Architecture, Art and Planning:**

BACHELOR OF SCIENCE, ARCHITECTURE; \$16.83; \$10,098

FASHION DESIGN; \$16.16; \$9,696

FINE ARTS; \$12.40; \$7,440

GRAPHIC COMMUNICATION DESIGN; \$16.57; \$9,942

INDUSTRIAL DESIGN; \$16.94; \$10,164

INTERIOR DESIGN; \$17.07; \$10,242

MASTER OF DESIGN; \$20.96; \$12,576

MASTER COMMUNITY PLANNING; \$14.69; \$8,814

MASTER OF ARCHITECTURE; \$18.81; \$11,286

URBAN PLANNING; \$13.41; \$8,046

### **College of Education, Criminal Justice, and Human Services:**

INFORMATION TECHNOLOGY \$15.63 \$9,378

### **College of Engineering and Applied Science:**

AEROSPACE ENGINEERING; \$17.48; \$10,488

ARCHITECTURAL ENGINEERING; \$16.48; \$9,888

BIOMEDICAL ENGINEERING; \$17.46; \$10,476

CHEMICAL ENGINEERING; \$19.70; \$11,820

CIVIL ENGINEERING; \$16.30; \$9,780

COMPUTER ENGINEERING; \$19.05; \$11,430

COMPUTER SCIENCE; \$18.92; \$11,352

CONSTRUCTION MANAGEMENT; \$16.63; \$9,978

ELECTRICAL ENGINEERING; \$18.93; \$11,358

ELECTRICAL ENGINEERING TECHNOLOGY; \$17.66; \$10,596

ENVIRONMENTAL ENGINEERING; \$17.19; \$10,314

MECHANICAL ENGINEERING; \$18.58; \$11,148

MECHANICAL ENGINEERING TECHNOLOGY; \$17.43; \$10,458

### **College of Arts and Sciences**

COMMUNICATION; \$13.62; \$8,172

## **Lindner College of Business\*\***

\*\*Lindner Professional Experience Salaries include both full- and part-time co-op and internship information. This data provided by LCOB.

ACCOUNTING; \$18; \$10,800  
BUSINESS ANALYTICS; \$17; \$10,200  
ECONOMICS; \$16; \$9,600  
ENTREPRENEURSHIP; \$15; \$9,000  
FINANCE; \$17; \$10,200  
INDUSTRIAL MANAGEMENT; \$17; \$10,200  
INFORMATION SYSTEMS; \$17; \$10,200  
INSURANCE AND RISK MANAGEMENT; \$17; \$10,200  
INTERNATIONAL BUSINESS; \$15; \$9,000  
MARKETING; \$15; \$9,000  
OPERATIONS MANAGEMENT; \$17; \$10,200  
REAL ESTATE; \$15; \$9,000

### Co-op Placements

38% increase in placements over 5 years: (2014-15) 5138; (2015-16) 5557; (2016-17) 6077; (2017-18) 6612; (2018-19) 7092

In 2018–19, UC co-op students worked in 30 countries and across 43 states.

#### Top States

Ohio; Kentucky; New York; California; Indiana

#### Top Countries

United States; Germany; China; United Kingdom; Japan

In addition to the University of Cincinnati being a top employer for co-op students, we work with many companies to offer a variety of work experiences.

#### Top Co-op Employers:

##### ARTS AND SCIENCES:

828 Logistics, LLC.

84.51°

BHDP Architecture

General Electric  
Luxottica Retail

LINDNER COLLEGE OF BUSINESS:

EY

Accenture

American Financial Group

Total Quality Logistics

Fifth Third Bank

DESIGN, ARCHITECTURE, ART, AND PLANNING:

L Brands

BHDP Architecture

MKG

Crown Equipment Company

Fossil Group Inc.

COLLEGE OF ENGINEERING AND APPLIED SCIENCE:

Siemens PLM Software

General Electric

Cincinnati Insurance Companies

Kinetic Vision

Honeywell Intelligrated

OVERALL:

Siemens PLM Software

General Electric

Kinetic Vision

Cincinnati Insurance Companies

Kroger / 84.51°

Honeywell Integrated

ThyssenKrupp Bilstein of America

Duke Energy

Marathon Petroleum Company LP

Danis Building Construction Company

[Award-winning co-ops](#)

MANSI PATEL

## COMPUTER SCIENCE

Mansi co-oped at GE Aviation in Cincinnati and worked for GE Global in Munich as part of the International Co-op Program. Mansi's leadership activities include empowering other students, particularly women, to succeed in technology fields. Mansi began her career as a Program Manager in Cloud Computing and Artificial Intelligence at Microsoft after graduating in spring 2019.

## AUSTIN WINTERS

### COMMUNICATION

Austin, a communication major, graduated spring 2019 with a minor in Marketing and a certificate in Public Relations. Austin completed two coop rotations with InteractOne in Cincinnati and Narvar in San Francisco. He served as Head of Marketing for UC's Programs and Activities Council.

## KEELEY WILLIAMS

### ARCHITECTURAL ENGINEERING

Keeley completed two co-ops with KLH Engineers, one with DLR Group and two with Gilbane Building Company, where she returned post-graduation. Scott Bindel, one of Keeley's Gilbane supervisors, commented, "Keeley learns quickly and applies everything going forward. There is no need for repeat instruction. Positive attitude. Excellent time and task management. She is excellent." Prof. Jill Flood with Co-operative Education Award Winner, Keeley Williams, and her supervisor Scott Bindel, Gilbane Construction

## Part-time Co-op

Part-time co-ops or internships are a flexible pathway to meaningful, career oriented, compensated experiences for all UC students.

### Building Our Pipeline

UC offers professional development courses to prepare students for part-time co-ops.

### Part-time Co-op Enrollments

28% increase in part-time co-ops in five years: (2014-15) 2364; (2015-16) 1355; (2016-17) 2358; (2017-18) 2333; (2018-19) 3026

### On-Campus Co-op

Students have the opportunity to engage in high-impact, paid co-ops on campus and enroll in an online professional development and reflection course.

Last year, in collaboration with The Learning Commons and UC Human Resources, ELCE successfully launched On-Campus Co-op with 61 students. The program is expanding with even more opportunities for students to work, and in 2019-20, more than 600 students and 16 on-campus employers are expected to participate.

### Dylanie Schultz

Dylanie was among the first cohort of students to participate in the Next Lives Here initiative known as On-Campus Co-ops. Dylanie held dual roles in the Learning Commons as an undergraduate assistant and peer educator. In addition to excelling at her work, she demonstrated a deep reflective capacity through the online internship course.



## Service Learning

Service learning opportunities at UC give students the chance to learn outside the classroom, making contributions that have real impact in the community, for course credit. The service learning component of education at UC supports the university's URBAN FUTURES INITIATIVE, a part of its new strategic direction NEXT LIVES HERE.

Last year, 3,832 students participated in 240 Service Learning courses across nine colleges.

### Service Learning participation by college:

- Arts and Sciences (A&S) (37%)
- Allied Health Sciences (28%)
- Lindner College of Business (LCOB) (19%)
- UC Blue Ash (UCBA) (6%)
- College of Medicine (4%)
- Education, Criminal Justice, Human Services, and Information Technology (CECH) (2%)
- College of Engineering and Applied Science (CEAS) (2%)
- Design, Architecture, Art, and Planning (DAAP) (1%)
- UC Clermont (1%)
- Nursing (1%)
- College Conservatory of Music (CCM) (1%)

### 2018–19 JACK TWYMAN AWARD FOR SERVICE LEARNING

#### DR. MICHELE KEGLEY, RECIPIENT

Dr. Michele Kegley, Associate Professor of Business and Economics, UC Blue Ash, has been a champion of Service Learning for many years. Her work and that of her students has supported the Alois Alzheimer Foundation, Hope in Action's Giving Garden, Art for All People, Little Brothers Friends of the Elderly, Circle Tail, The Cincinnati Free Store, Matthew 25 Ministries, Cincinnati Nature Center, St. Francis Seraph Food Pantry, Citylink and Operation Give Back.

## Undergraduate Research

The Division of Experience-Based Learning and Career Education engaged more than 2,100 students through its "Ready for Research" information sessions and the second annual Scholarly Showcase in 2018–19. Through this work, we are increasing student awareness about research, how to become involved, and potential career pathways.

## Record Enrollments

Enrollments in course-based Undergraduate Research programs have increased 57% over the past five years: (2014-15) 1969; (2015-16) 3636; (2016-17) 2571; (2017-18) 2723; (2018-19) 3094.

Last year, 3,094 students participated in 369 Undergraduate Research courses across nine colleges.

### Undergraduate Research Course Enrollments by College:

Arts and Sciences (A&S) 44%

Allied Health Sciences 20%

Education, Criminal Justice, Human Services, and  
Information Technology (CECH) 10%

Lindner College of Business (LCOB) 9%

College of Engineering and Applied Science (CEAS) 8%

UC Blue Ash (UCBA) 3%

College Conservatory of Music (CCM) 2%

Design, Architecture, Art, and Planning (DAAP) 1%

College of Medicine 1%

UC Clermont 0.26%

## Award Winners

### SAIRA MATTHEWS

Saira is a McNair Scholar engaged in clinical research with her mentor Dr. Oluwole Awosika. She was also a Summer Undergraduate Research Fellow at Cincinnati Children's Hospital. As part of the Research and Creative Opportunities Network, she helps UC undergraduate students access and use research resources that are available to them.

### PRATEEK SRIVASTAVA

Since his freshman year, Prateek has published and presented his research on South Asian politics, religion, migration, and feminist politics. Prateek discussed his recent book publication, *Identity and Diaspora*, at UC's 2019 Undergraduate Scholarly Showcase and at the Ireland India Institute in Dublin, Ireland, spring 2019.

## UC Forward

UC Forward is a one-of-a-kind learning opportunity—pairing students and faculty of diverse majors in trans-disciplinary teams to collaborate with outside experts in solving real-world problems and developing tomorrow’s workforce in unique and relevant ways.

In 2018-19, 2,037 students participated in 102 UC Forward courses across eleven colleges.

### UC Forward participation by college:

Arts and Sciences (A&S) 20%  
College of Engineering and Applied Science (CEAS) 17%  
Design, Architecture, Art, and Planning (DAAP) 17%  
Lindner College of Business (LCOB) 16%  
Education, Criminal Justice, Human Services, and Information Technology (CECH) 10%  
Allied Health Sciences 8%  
College-Conservatory of Music (CCM) 5%  
UC Clermont 4%  
College of Medicine 2%  
UC Blue Ash (UCBA) 1%  
College of Nursing 0.39%

### NEIL ARMSTRONG UC FORWARD INNOVATION AWARD

Presented to a team of outstanding students whose work and efforts exemplify the characteristics and values of the Just Community Principles, the Bearcat Bond, and the UC Forward ideal of innovation through interdisciplinary collaboration.

Neil Armstrong UC Forward Innovation Award winners with Prof. Frank Russell, Director, UC Forward: Justin Meyer, INDUSTRIAL DESIGN; Bradley William Davidson, INFORMATION TECHNOLOGY; Jamie A. Rinderle, MECHANICAL ENGINEERING; Hannah M. Salmon, MECHANICAL ENGINEERING.

This interdisciplinary team designed and built an animal enrichment prototype for the Rhinoceros Hornbill exhibit at the Cincinnati Zoo. Created in a UC Forward Inquiry to Innovation class entitled “The Cincinnati Zoo Challenge” and conducted in close collaboration with Zoo staff, their “Puzzle Feeder” supports physical and cognitive development in the birds.

## International Experience

International experience-based learning allows students to apply classroom knowledge in a real-world setting while gaining a better understanding of a given field in a global context.

1,639 students participated in courses with an international experiential learning component in 2018-19. \*THIS INCLUDES STUDY ABROAD

171 students participated in Experience Based Learning and Career Education international work programs.

- International Co-op Program in Germany and Japan: 32 students
- International Experience Program: 58 students
- Worldwide Co-op: 41 students
- Faculty led study tours to Japan, Ireland, Italy and Spain: 40 students

### INTERNATIONAL EXPERIENCE AWARD

Andrea Ticknor, London, England

Industrial Design major Andrea Ticknor participated in The London Experience in fall 2019. With a goal to work on set designs for films, she accepted a position with Top Left Design. Andrea demonstrated her design, technical, and communication skills and leveraged the opportunity into a co-op position with a film studio in Bulgaria.

## Career Education Services

In addition to curricular-based learning, the Division of Experience-Based Learning & Career Education provides extensive career services to all UC undergraduate students. Students have access to online tools and in-person coaching. Our Career Coaches offer help with personality and career assessments, interview preparation, resume feedback, career selection, networking, salary negotiation, continuing education and job opportunities.

### Handshake

All UC students have access to Handshake, the largest online career community for students and recent grads, and can use it to explore career options, find jobs and ask for advice from other students. Last year in Handshake: 27,000+ jobs posted; 11,000+ pre-screened employers; 85,000+ job applications; 3,500+ on-campus interviews.

### In-Person Coaching

1600 individual career coaching sessions:

20+ career readiness topics

All academic years

Students from 10 UC colleges

Individual assessments: 80+ hours

- 795+ résumés
- 565+ LinkedIn profile
- 150+ cover letters

More than 4,600 student enrollments in more than 130 ELCE Professional Development courses in 2018-19.

## Contact Us

University of Cincinnati

Division of Experience-Based Learning and Career Education

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513.556.2667

<http://www.uc.edu/campus-life/careereducation>