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**THE UNIVERSITY OF AKRON**

# GRADUATE SCHOOL



## THE UNIVERSITY OF AKRON GRADUATE SCHOOL

**S**tudy at the region's most influential public research university and gain valuable knowledge and practical training that will help open doors to the career you really want. Join the ranks of our graduates who go on to become leaders in their fields and pioneers in their industry.

More than 3,500 students are pursuing advanced degrees at The University of Akron. We offer more than 110 graduate programs and provide students with real-world experiences while earning a graduate degree.

Visit [uakron.edu/gradsch](http://uakron.edu/gradsch) to review tuition rates, application requirements and deadlines to apply.

### Faculty Who Want You to Succeed

Take your career to the next level by learning from top-notch researchers who bring their findings and experience into the classroom. Our faculty are involved in engaging research and are inventing new ways to treat wounds and re-inventing the way we manage traffic and detect cancer, to name just a few research areas.

Whether you're learning how to find investors for your start-up company or cutting-edge approaches to treating patients, you'll receive practical training and support from dedicated faculty who want you to succeed.



The University of Akron is located in the heart of a vibrant downtown and minutes away from an abundance of recreational opportunities. The dynamic campus offers Broadway shows, sporting events, arts performances, and an award winning student recreation center.

## BEAUTIFUL NORTHEAST OHIO

Greater Akron is a vital heartland city and an ideal place to call home. Here you will find a metropolitan setting that places you in the midst of a dynamic economy in sync with the pulse of business, government, and community. Akron boasts many of the same amenities and attractions that are available in larger cities with the advantages and affordability of small-town living.

Akron itself is a hidden gem in many respects. Situated in northeastern Ohio, Akron boasts a rich history and exciting renaissance. Having retooled itself over the past few decades, the area is a magnet for jobs and investment. Akron's top industries include health care, education, manufacturing, technology, bioscience, and polymers.

Host to about one-third of the Fortune 500 companies and 21,000 companies, the Greater Akron area also offers easy access to quality-of-life attractions including sporting events (NFL Hall of Fame, PGA events, as well as professional baseball, basketball, and football), outdoor recreation (golf, hiking, biking, skiing, snowboarding, sailing, and the Cuyahoga Valley National Park), a renowned art museum, symphony orchestra, numerous entertainment venues, and an extensive park system.

Akron is very convenient as well. Not only is the city located within a reasonable drive to ten major U.S. metropolitan areas, but you can also easily access the world through the Akron-Canton Regional and Cleveland International Airports.



Akron is a **three-time winner** of the All-America City Award (1980, 1995 and 2008)

The Rock and Roll Hall of Fame in Cleveland, designed by world-renowned architect I. M. Pei, has welcomed more than 10 million visitors

With a population just under 200,000, Akron is the **fifth-largest city in Ohio**



### A Sample of Things to Do in Northeast Ohio

- Get to know the local arts community during the monthly Downtown Akron Artwalk.
- Hike, bike or explore Cuyahoga Valley National Park, Ohio's only national park by train.
- Ski at Boston Mills/Brandywine ski resorts.
- See a play at one of many local theaters, including the Akron Civic Theatre, E.J. Thomas Hall, Weathervane Playhouse or Cleveland's Playhouse Square.
- Catch a concert on the lawn at Blossom Music Center or Lock 3 Park.
- Go to professional sports games in Cleveland, or stay in Akron to catch the Zips, Akron RubberDucks baseball and Akron Racers softball.
- Train for and conquer the annual Akron marathon.



A catalyst for interdisciplinary work across the University, the Buchtel College of Arts and Sciences offers master's and doctoral programs that prepare graduate students to succeed in industry, academia and public service.

## BUCHTEL COLLEGE OF ARTS AND SCIENCES

### The Ray C. Bliss Institute of Applied Politics

The Ray C. Bliss Institute of Applied Politics is a nationally known and respected bipartisan research and teaching institute dedicated to increasing understanding of the political process, with special emphasis on political parties, grassroots activity and ethical behavior.

#### Master's Degree Programs

- Arts Administration
- Biology
- Chemistry
- Communication
- Computer Science
- English - Composition
- English – Literature
- Creative Writing (NEOMFA)
- Family and Consumer Sciences – Child and Family Development
- Family and Consumer Sciences – Clothing, Textiles and Interiors
- Geography – Geographic Information Sciences
- Geology
- Geology – Earth Science
- Geology – Engineering Geology
- Geology – Environmental Geology
- History
- Applied Mathematics
- Mathematics
- Music – Accompanying
- Music – Composition

- Music – Education
- Music – Performance
- Music – Technology
- Music – Theory
- Physics
- Psychology
- Political Science
- Applied Politics
- J.D./Master Applied Politics
- Public Administration
- Executive Master of Public Administration
- Sociology
- Statistics
- Spanish (part-time only)

#### Doctoral Degree Programs

- Integrated Bioscience
- Chemistry
- History
- Counseling Psychology
- Industrial/Organizational Psychology
- Adult Development and Aging
- Sociology

#### Certificate Programs

- Teaching English as a Second Language
- Literature
- Composition
- Geographic Information Sciences
- Environmental Studies
- Middle Eastern Studies
- Gerontology
- Applied Politics
- Cross-Cultural Negotiation – Southeast Asia
- Cross-Cultural Negotiation – Middle East
- Family Conflict
- Gender Conflict
- Global Conflict
- Racial Conflict
- Public Affairs – Non-Profit Management
- Public Affairs – Policy Analysis
- Public Affairs – Program Evaluation
- Public Affairs – Public Management
- Public Affairs – Urban Affairs
- Women's Studies
- Asian Studies
- Divorce Mediation
- Home Based Intervention
- Case Management for Children and Families
- Parent and Family Education

Faculty members in the Buchtel College of Arts and Sciences are outstanding teachers as well as **national and international experts in their fields of research**

**The Archives of the History of American Psychology** is the world's largest repository of manuscripts, monographs, media and artifacts relevant to the history of psychology

E.J. Thomas Performing Arts Hall has recently been named the **Neos Dance Theatre** company's headquarters



### Jazz pianist credits UA faculty for quality program

Before he completed his undergraduate degree, Theron Brown made a name for himself in the world of jazz music. He traveled internationally with the Glenn Miller Orchestra, sailed with the Great American Steam Boat, and lived and played the jazz scene in New York City – and that was all before receiving his Bachelor of Music in Jazz Studies.

During his travels, Brown became fascinated with classical music and, intrigued by the technique used in the genre, knew it would help his jazz technique become fast and cleaner if he studied the art form. He chose to pursue a Master's in Piano Performance.

Brown says he chose UA for one important reason – the quality of the faculty. "I remember hearing Professor Thomson play and thinking, 'I have to learn to play like that!'" says Brown. "One of the best musicians I've ever met is teaching right here in Akron."

Among his accomplishments, Brown portrays Herbie Hancock in the 2016 film *Miles Ahead*, a movie about the life and career of Miles Davis written and directed by Don Cheadle. Brown is also the founder of the Rubber City Jazz and Blues Festival in downtown Akron.



The College of Business Administration offers nationally recognized graduate programs that are flexible and convenient enough to fit into your busy schedule. Our applied approach to business education is focused on strategic thinking and real-world experience that prepares students for professions that are in high demand.

## COLLEGE OF BUSINESS ADMINISTRATION

### Taylor Institute for Direct Marketing

The Taylor Institute was founded to educate students in specialized ideas, issues and techniques of direct/interactive marketing, including:

- social media
- marketing analytics and database marketing
- qualitative marketing research
- multi-channel marketing campaign development
- teleservices

Graduate students have access to state-of-the-art applied learning labs, including a call center, social media lab, Xerox Cross-Medial XMPie Lab, marketing analytics lab, and qualitative research lab.



### Master's Degree Programs

- Master of Business Administration
- Concentrations include:
  - Business Analytics
  - Finance
  - Global Technological Innovation
  - Health Care Management
  - Interdisciplinary
  - International Business
  - Management
  - Strategic Marketing
  - Supply Chain Management
- Economics
- Saturday MBA
- Management
- Accountancy
- Taxation
- Joint MBA, MSA or MTax/Juris Doctor Degrees

### Certificate Programs

- Business Dual Enrollment
- Global Innovation and Technology Management

The College has been included in **The Princeton Review's list of Best Business Schools** every year since 2005

The part-time MBA program is **ranked among the best in the nation** by Bloomberg Businessweek, US News & World Report and CEO Magazine

The MBA Concentration in Healthcare and MS in Accountancy are both rated as **one of the Top 25 Best Value programs in the U.S.**



### MBA in International Business sparks career change

While teaching as a Fulbright Scholar at the University of Evansville in Indiana, Tatiana Granger took her first business class – a decision that eventually led her to change careers and to The University of Akron.

Granger says she chose to pursue her MBA in International Business at The University of Akron for two reasons. First, both her brother and husband are UA graduates and served as personal examples of UA success stories. She was also attracted by UA's proximity and connection to the many companies in the region with international profiles.

"The opportunity to connect with a variety of different industries is easily accessible through the College of Business Administration, both through university-sponsored programs and through informal networking with faculty, the administration, and fellow colleagues," says Granger.

"I will be eternally grateful for what the faculty, staff, my colleagues and the overall Akron community have provided me. I know that my lifelong education is just beginning," says Granger. Today Granger works for The J.M. Smucker Company in Orrville as a trade planning analyst.



The LeBron James Family Foundation College of Education offers master's degree programs that add to your knowledge base and allow you to advance in your field. The College's practical, applied approach will give you the skills that will prepare you to take the next step in your career.

## LEBRON JAMES FAMILY FOUNDATION COLLEGE OF EDUCATION

### Master's Degree Programs

- Elementary Education
  - Literacy Option
- Special Education
- Curriculum and Instruction: Intervention Specialist with Licensure
  - Early Childhood
  - Mild/Moderate
  - Moderate/Intensive
- Curriculum and Instruction with Licensure Options
- Higher Education Administration (GRE required)

The following programs are for individuals who do not already hold a teacher's license.

- Adolescent to Young Adult (Secondary)
  - Chemistry
  - Earth Science
  - Life Science
  - Physics
  - Chemistry and Physics
  - Earth Science and Chemistry
  - Earth Science and Physics
  - Life Science and Earth Science
  - Life Science and Chemistry
  - Life Science and Physics
  - Integrated Language Arts
  - Integrated Mathematics
  - Integrated Social Studies

- P-12 Multi-Age
  - Visual Arts
  - Drama/Theatre
  - Music (contact the School of Music for more information)
  - Physical Education
- Principalship
- Assessment, Evaluation and Data Literacy
- Instructional Technology

### Certificate Programs

- Higher Education Administration
- e-Learning
- Assessment and Evaluation
- Endorsement Programs – for individuals who want to add a teaching area to an existing teacher license

### Reading (K-12)

- Early Childhood Generalist (4-5)
- Teaching English as a Second Language (TESOL)
- Middle Level Generalist (4-9)



A **100 percent pass rate** on the Ohio Assessment for Educators test for the Computer/Technology Facilitation Endorsement

The LeBron James Family Foundation College of Education has one of **Ohio's three largest teacher preparation programs**

An Instructional Technology program **ranked among the best in the nation by thebestschools.org**

## Giving Back to the Akron Community

In 2015, The University of Akron and the LeBron James Family Foundation joined forces to provide full scholarships for up to 2,300 students enrolled in the Akron Public Schools and the Foundation's mentorship program.

UA is proud to assist the LeBron James Family Foundation in giving back to the Akron community, and our students are also benefitting by becoming involved in mentorship, community service, and evaluation and data analysis of the Foundation's Wheels for Education and I Promise Programs.





The College of Engineering offers graduate programs that train and equip students to assume leadership roles in engineering. In addition to research-intensive master's and doctoral degrees, the College offers professional, non-thesis master's degree options.

## COLLEGE OF ENGINEERING

You can also earn an M.S. in Engineering Management that provides both advanced engineering and core business administration courses as well as topics in entrepreneurship. An evening and online hybrid program, the master's in engineering management is intended primarily for practicing engineers who are working full-time jobs and want to advance their career.

### Master's Degree Programs

- Biomedical Engineering
- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Mechanical Engineering
- Engineering Management

### Graduate Certificates

- Nuclear Engineering
- Structural Engineering
- Environmental Engineering
- Geotechnical Engineering
- Transportation Engineering
- Motion and Control Specialization

### Doctoral Degree Programs

- Interdisciplinary doctoral degrees encompassing the disciplines of:
  - biomedical
  - chemical
  - civil
  - computer
  - electrical
  - mechanical engineering
- Ph.D., Engineering Applied Mathematics in conjunction with Buchtel College of Arts and Sciences



**38 percent increase** in graduate enrollment since 2004

UA engineering design teams have **won many national and international honors**

**4x growth in research expenditure** over the last eight years



### Goodyear employee has sights set on management

Donna Shipman put her undergraduate degrees in applied mathematics and chemical engineering to use at The Goodyear Rubber & Tire Co. immediately after graduation.

Her long-term goal, however, involved transitioning from technical work to the leadership track, so Shipman made the decision to go back to school early on in her career. She earned an M.S. in Engineering Management to gain the business skills needed to make her goals a reality.

"The management courses coupled with technical classes in the program gave me an understanding of the business mindset," says Shipman. "I learned to think beyond my technical role and see the bigger picture for the company by always keeping the business side in mind in the work that I do." The program also provided skills needed for the daily supervision of technicians, Shipman says.



The College of Health Professions uses a blended learning model that is high tech, high touch and highly experiential. The curriculum focuses on inter-professional healthcare education, which teaches students how to work cooperatively in a healthcare environment that increasingly requires teamwork and an integrated approach to achieving the best healthcare outcomes.

## COLLEGE OF HEALTH PROFESSIONS

### Master's Degree Programs

- Nursing
  - Nurse Practitioner
  - Nurse Anesthetist
  - Nursing Administration
- Child Life Specialist
- Classroom Guidance for Teachers
- Clinical Mental Health Counseling
- School Counseling
- Marriage and Family Counseling/Therapy
- Sport Science/Coaching
- Exercise Physiology/Adult Fitness
- Public Health
- Social Work
- Speech-Language Pathology

### Doctoral Degree Programs

- Counselor Education and Supervision
- Counseling Psychology
- Nursing
- Nursing Practice
- Audiology

### Certificate Programs

- Child and Adolescent Health Nurse Acute Care
- Child and Adolescent Health Nurse Practitioner Certificate
- Family Nurse Practitioner Certificate for Certified Adult/Gerontological NPs
- Family Nurse Practitioner Certificate for Certified PNP's
- Family Psychiatric/Mental Health Nurse Practitioner Certificate
- Nurse Anesthesia Certificate
- Nursing Education Certificate
- Acute Care Nurse Practitioner
- Adult/Gerontological Nurse Practitioner
- Advanced Role Specialization in Nursing Management and Business
- Adult/Gerontological Health Nursing Clinical Nurse Specialist



The School of Sport Science and Wellness Education provides **clinical and field experience, service learning and club related activities**

The Schools of Audiology and Speech Language Pathology are **ranked among the best programs in the country**

Job placement for grads in the Coordinated and Food and Environmental Nutrition programs is **97 percent within 12 months of graduation**



### Graduate Studies Paves the Way for New Endeavors

After more than three decades of clinical work, most recently as a nurse practitioner at Akron Children's Hospital, and several years of classroom instruction as a part-time adjunct professor in The University of Akron's School of Nursing, Ann-Marie Brown discovered a passion for clinical research and decided to pursue a Ph.D. in Nursing.

Although she didn't intend to begin a career in academia, Brown saw an opportunity to combine the three aspects of her career she enjoys the most: clinical practice, teaching and research. In 2014, she accepted a position as an assistant professor in UA's School of Nursing.

"Earning my PhD in nursing has allowed me to step into a new arena in my career," says Brown. "I am able to directly touch the lives of my patients and their families through my clinical practice at the hospital, teach and foster the next generation of nurses in the classroom, and reach families far outside of Northeast Ohio with my research."



The College of Polymer Science and Polymer Engineering is one of the premier academic and research programs for the study of soft matter in the world. The college grants M.S. and Ph.D. degrees in both Polymer Science and Polymer Engineering.

## COLLEGE OF POLYMER SCIENCE AND POLYMER ENGINEERING

Our graduates are highly valued by stakeholders in industry, academia and government locally and around the world. The University of Akron awarded the first polymer science Ph.D. in the world in 1961. Since its establishment in 1988, the College of Polymer Science and Polymer Engineering has awarded 856 Ph.D. and 483 M.S. degrees.

Our research output includes a steady stream of patents and scholarly publications that influence research directions and innovations that impact industry globally.

### Research focus areas include:

- Synthesis
- Modeling and Simulations
- Interfaces, Surfaces and Adhesion
- Biomaterials
- Rubber and Elastomers
- Electronics and Energy Storage Materials
- Responsive Materials
- Film, Fiber and Bulk Processing



### Master's Degree Programs

- Polymer Engineering
- Polymer Science
- Master of Polymer Science and Polymer Engineering (non-thesis)

### Doctoral Degree Programs

- Polymer Engineering
- Polymer Science



Akron is positioned at **the heart of the highest concentration of polymer companies in the nation**

The polymer industry is Ohio's largest manufacturing sector with **more than 2,440 establishments that employ roughly 130,000 individuals**

With **100 percent placement within one year of graduation**, our alumni go on to successful careers in the public and private sectors



### Apple engineer's inventive spark ignited at UA

"Every day I go to work, I actually say, 'I'm going to school,' because I keep learning, innovating," says Isil Nugay. Her "schoolroom" just happens to be the sprawling campus of Apple Inc., headquartered in Cupertino, California, where she is a senior module process engineer.

Her enthusiasm for innovating is what brought her to The University of Akron after earning her B.S. in Chemical and Biological Engineering degree in Turkey.

She earned a Ph.D. in Polymer Engineering in 2014, and during her graduate years, Nugay could most often be found in the National Polymer Innovation Center, which opened on campus in 2011.

"It is a wonderland," recalls Nugay. "You can play around with all those devices and then create new things."

The center's labs are equipped to aid UA researchers and their student teams in creating novel solutions to challenges faced by industry.





**Academic, Administrative and Multipurpose Buildings**

- 2 Administrative Services Building **ASB**
- 4 Akron Polymer Training Center **APT**
- 47 Auburn Science and Engineering Center **ASEC**
- 48 Ayer Hall **AYER**
- 35 Bierce Library **LIB**
- 59 Buchtel Hall **BH**
- 26 Buckingham Building **BCCE**
- 90 464 Carroll Street Building **CSBL**
- 17 Center for Child Development **CCD**
- 5 Central Hower Community School **CHCS**
- 93 Chima Family Center **CFC**
- 15 College of Arts & Sciences Building **CAS**
- 25 College of Business Administration Building **CBA**
- 43 Computer Center **COMP**
- 49 Crouse Hall **CRH**
- 101 Exchange Parking Deck **EXPD**
- 42 Express Building **EB**
- 84 Folk Hall **FOLK**
- 95 178 South Forge Street (Wonder Bread) **WBB**
- 96 Gas Turbine Testing Facility **GTTF**
- 45 Many Gladwin Hall **MGH**
- 40 Goodyear Polymer Center **GDYR**
- 28 Guzzetta Hall **GH**
- 91 Honors Complex **HC**
- 6 Hower House **HOW**
- 99 InfoCision Stadium/Summa Field **ICS**
- 44 Knight Chemical Laboratory **KNCL**
- 52 Kolbe Hall **KO**
- 51 Leigh Hall **LH**
- 7 100 Lincoln Street Building **LINC**
- 27 McDowell Law Center **LAW**
- 3 National Polymer Innovation Center **NPIC**
- 65 Ocacek Natatorium **ONAT**
- 34 Olin Hall **OLIN**
- 10 Olson Research Center **OLRC**
- 76 Parking Deck East **PDE**
- 20 Parking Deck North **PDN**
- 102 Parking Deck South **PDS**
- 13 Physical Facilities Operations Center **PFOC**
- 12 Polymer Engineering Academic Center **PEAC**
- 22 Polsky Building **POL**
- 56 James A. Rhodes Health and Physical Education Building **JAR**
- 94 Roadway Building **RDWY**
- 29 Robertson Dining Hall **RD**
- 62 Schrank Hall North **SHN**
- 63 Schrank Hall South **SHS**

**Residence Halls**

- 1 32 South College Street Building **SUP**
- 92 Simmons Hall **SI**
- 88 Louis and Freda Stile Athletics Field House **AFLD**
- 89 Student Recreation and Wellness Center **SRWC**
- 60 Student Union **STUN**
- 82 Townhouses **TOWN**
- 21 E.J. Thomas Performing Arts Hall **PAH**
- 14 Trecazo Building **TRE**
- 98 Quaker Square **QSQR**
- 23 West Campus Parking Deck **WCPD**
- 41 West Hall **WEST**
- 46 Whitby Hall **WHIT**
- 68 Akron Engineering Research Center **AERC**
- 50 Zook Hall **ZOOK**

**Fraternities and Sororities**

- 37 Bulger Residence Hall **BRH**
- 64 Exchange Street Residence Hall **EXC**
- 91 Honors Complex **HC**
- 30 Orr Residence Hall **ORH**
- 36 Ritchie Residence Hall **RRH**
- 39 Sisler-McFawn Residence Hall **SMRH**
- 103 South Hall **SH**
- 38 Spanton Residence Hall **SRH**
- 58 Spicer Residence Hall **SPR**
- 98 Quaker Square **QSI**
- 74 Alpha Delta Pi Sorority ( $\Delta\Delta\Pi$ )
- 66 Alpha Gamma Delta Sorority ( $\Delta\Gamma\Delta$ )
- 54 Delta Gamma Sorority ( $\Delta\Gamma$ )
- 68 Kappa Kappa Gamma Sorority ( $\text{KK}\Gamma$ )
- 16 Lambda Chi Alpha Fraternity ( $\Lambda\text{X}\Lambda$ )
- 75 Lone Star Fraternity ( $\text{I}\text{I}\text{K}\text{E}$ )
- 55 Phi Delta Theta Fraternity ( $\Phi\Delta\Theta$ )
- 70 Phi Gamma Delta Fraternity ( $\text{F}\Gamma\Delta$ )
- 53 Phi Kappa Tau Fraternity ( $\Phi\text{K}\text{T}$ )
- 69 Phi Sigma Kappa Fraternity ( $\Phi\Sigma\text{K}$ )
- 72 Sigma Alpha Epsilon Fraternity ( $\Sigma\text{A}\text{E}$ )
- 73 Theta Chi Fraternity ( $\Theta\text{X}$ )





**THE GRADUATE SCHOOL**

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The  
University  
of Akron