

**COLLEGE OF  
APPLIED HEALTH  
SCIENCES**



# **ANNUAL REPORT 2017**



# College of Applied Health Sciences

## Vision

**The UIC College of Applied Health Sciences will be recognized as a national and international leader in health sciences through our excellence in preparing highly qualified professionals, leading scholars and community leaders.**

**Our scholarly, academic efforts and community engagement will transform society through improved health, inclusion and participation without discrimination in a complex interdisciplinary and multicultural world.**

## Mission

**The College of Applied Health Sciences is a socially conscious, research-intensive academic community whose mission is to broaden understanding of applied health sciences and disability.**

We strive to identify and meet the health needs of our society and pursue our mission by:

- educating health professionals and scholars who excel in a complex, multicultural world.
- discovering and translating new knowledge that transforms health care practice, social systems and related technologies for the benefit of individuals, families and communities.
- collaborating with our urban community partners in mutually beneficial ways.
- providing health services of the highest quality with emphasis on eliminating health disparities affecting individuals and communities.
- advocating for public policies, perceptions and practices that lead to the inclusion and participation of people with disabilities in society.

# Academics

## Degrees offered

### Bachelor's

Disability and Human Development  
Health Information Management (online  
and on campus)  
Kinesiology  
Nutrition  
Rehabilitation Sciences

### Minor

Disability and Human Development  
Kinesiology  
Nutrition

### Master's

Biomedical Visualization  
Disability and Human Development  
Health Informatics (online)  
Kinesiology  
Nutrition  
Occupational Therapy  
Rehabilitation Sciences

### Professional

Doctor of Physical Therapy  
Doctor of Occupational Therapy

### Doctorate

Biomedical and Health Informatics  
Disability Studies  
Kinesiology and Nutrition  
Rehabilitation Sciences

### Certificate

Assistive Technology  
Clinical Rehabilitation and  
Technology Research  
Disability Ethics  
Post-Baccalaureate Certificate,  
Health Information Management  
(online)  
Post-Master's Certificate, Health  
Informatics (online)

## Faculty

**99**

Full-time  
equivalent

**18**

Tenure/  
tenure-track male

**24**

Tenure/  
tenure-track female

**21**

Non-tenured male

**36**

Non-tenured  
female



# Students

1,942 total enrolled students

890

864

188

Undergraduate

Graduate

Professional

## Enrolled students by program

### 630 Biomedical and Health Information Sciences

- 59 BS: Health Information Management
- 55 BS: Health Information Management (online)
- 38 MS: Biomedical Visualization
- 383 MS: Health Informatics
- 1 PhD: Biomedical and Health Informatics
- 35 CAS: Health Informatics
- 52 CERT: Health Information Management
- 7 NDEG: Health Informatics

### 70 Disability and Human Development

- 5 MS: Disability and Human Development
- 42 PhD: Disability Studies
- 23 NDEG: Assistive Technology

### 795 Kinesiology and Nutrition

- 616 BS: Kinesiology
- 43 BS: Nutrition
- 20 MS: Kinesiology
- 84 MS: Nutrition
- 31 PhD: Kinesiology and Nutrition
- 1 NDEG: Nutrition

### 111 Occupational Therapy

- 92 MS: Occupational Therapy
- 19 OTD: Occupational Therapy

### 205 Physical Therapy

- 23 MS: Rehabilitation Sciences
- 169 DPT: Physical Therapy
- 10 NDEG: Ortho Manual PT Fellowship
- 3 NDEG: Ortho PT Residency

### 131 Rehabilitation Sciences

- 117 BS: Rehabilitation Sciences
- 14 PhD: Rehabilitation Sciences

BS: Bachelor of Science  
CAS: Certificate of Advanced Study  
CERT: Certificate  
DPT: Doctor of Physical Therapy  
MS: Master of Science  
NDEG: Non-degree  
OTD: Doctor of Occupational Therapy  
PhD: Doctor of Philosophy



## Degrees awarded

**225**

Undergraduate

**223**

Graduate

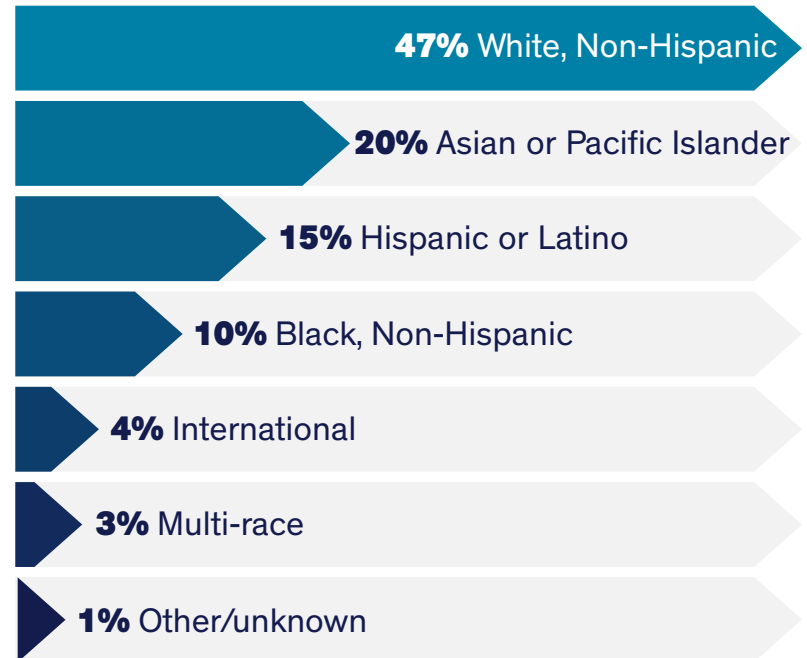
**56**

Professional  
doctoral

**16**

Research  
doctoral

## Enrolled students by ethnicity

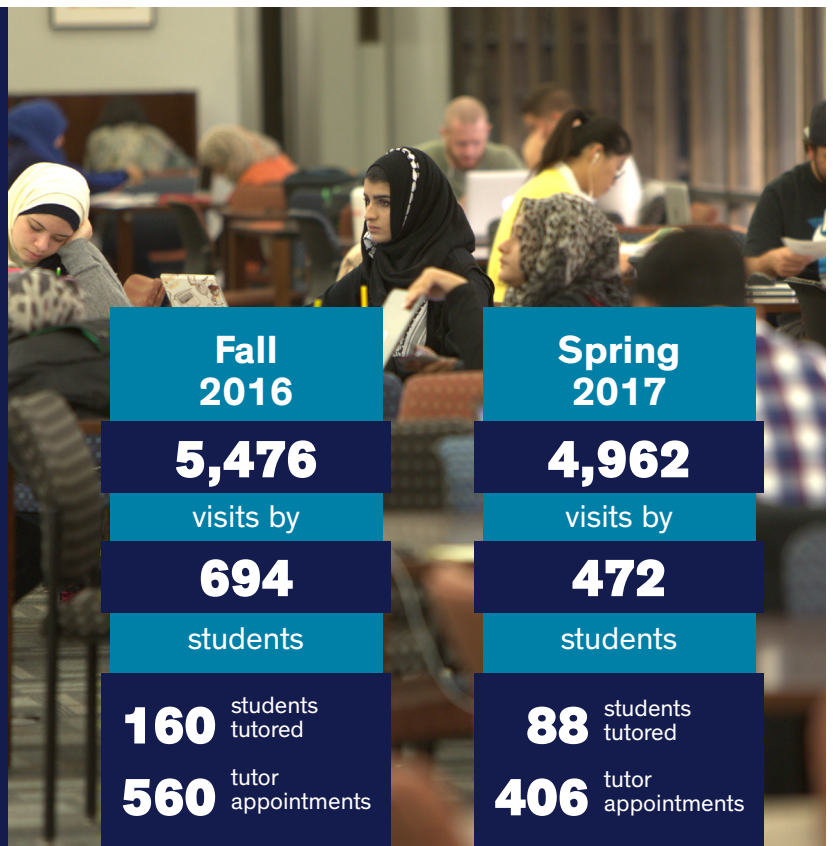


## Academic Support and Achievement Program

The Academic Support and Achievement Program (ASAP) provides AHS students with group and one-on-one tutoring.

ASAP offers books and models related to AHS classes, resources for national certification exams, and grad school prep tools.

Its workshops cover topics such as time management, exam prep and study skills.





# Department of Biomedical and Health Information Sciences

**The mission of the Department of Biomedical and Health Information Sciences is to advance the quality, efficiency and effectiveness of healthcare through improved generation, management and communication of biomedical and other healthcare data.**

**The goals of the department are leadership, innovation, initiative and quality with a strong focus on the unique areas of health informatics and biomedical visualization.**

**71**

publications and presentations

**33**

articles and papers

**33**

presentations

**5**

book chapters

# Academic programs

**BS, Health Information Management (online and campus)**

**MS, Biomedical Visualization**

**MS, Health Informatics (online)**

**PhD, Biomedical and Health Informatics**

**Post-Baccalaureate Certificate, Health Information Management (online)**

**Post-Master's Certificate, Health Informatics (online)**

Our **master's in biomedical visualization** is the second-oldest program of its kind and one of only four accredited graduate programs in North America



Illustration:  
Esther Chun Chun Ng

**#2**

Our **PhD in biomedical and health informatics** is the first degree program of its kind in Illinois

*U.S. News and World Report* ranks our **online bachelor's in health information management** No. 8 among all online bachelor's degrees and No. 2 among bachelor's programs, with the highest six-year graduation rates

**#2**

TheBestSchools.org ranks our **online master's in health informatics** No. 2 among all health informatics degree programs

**First**

Our **online master's in health informatics** is the first online graduate program accredited by the Commission on Accreditation for Health Informatics and Information Management Education





# Department of Disability and Human Development

The Department of Disability and Human Development is dedicated to the interdisciplinary study of disability with the goal of removing barriers to the advancement of disabled persons.

We offer intensive graduate-level academic programs that prepare individuals for positions in research, teaching and public service in disability fields.

The Department of Disability and Human Development conducts scholarship and community-based service across the spectrum of disability, including advocacy, culture, education, health promotion, history, policy and technology.

**124**

publications

**95**

articles

**14**

books and book chapters

**15**

other

# Academic programs

Minor, Disability and Human Development

BS, Disability and Human Development

MS, Disability and Human Development

PhD, Disability Studies

Certificate, Assistive Technology

Certificate, Disability Ethics

50

Administrative home for Bodies of Work—a consortium of over 50 organizations advancing disability arts and culture

Our **PhD in disability studies** was the first interdisciplinary studies doctoral program of its kind in the U.S.

26

Host of national Sibling Leadership Network with 26 state chapters

## Leader

National leader in research and training on disabilities with five large federally funded centers:

- Family Support Research and Training Center
- Great Lakes ADA Center
- Leadership Education in Neurodevelopmental and Related Disabilities
- Rehabilitation Research and Training Centers on Developmental Disabilities and Health
- University Center of Excellence in Developmental Disabilities

Illinois' only **University Center of Excellence in Developmental Disabilities, Education, Research and Service**



Our **bachelor's in disability and human development** is the first degree program of its kind in Illinois





# Department of Kinesiology and Nutrition

**The mission of the Department of Kinesiology and Nutrition is to:**

- generate and advance knowledge in kinesiology and nutrition through research.
- afford translation of knowledge by providing scholarship-based community service.
- offer academic programs of the highest quality that educate students to serve as innovative practitioners.
- prepare students to be lifelong learners and to serve as scholars and leaders.

**61**

publications

**51**

articles

**8**

books and  
book chapters

**2**

other



# Academic programs

Minor, Kinesiology

Minor, Nutrition

BS, Kinesiology

BS, Nutrition

MS, Kinesiology

MS, Nutrition

PhD, Kinesiology and Nutrition

9

faculty are fellows of national or honorific academies and societies

6

kinesiology faculty sit on the editorial boards of highest-impact disciplinary journals

6

research labs: biomechanics (two), integrative physiology, exercise psychology, locomotor and rehabilitation, physical activity intervention



100 percent of **master's coordinated program** graduates pass the registered dietitian exam within one year of graduation, compared to a national average of 80 percent

#14

The National Academy of Kinesiology ranks our **PhD in kinesiology and nutrition** No. 14

84%

of our **nutrition science** graduates are offered a dietitian internship, compared to a national average of 50 percent



# Department of Occupational Therapy

**The mission of the Department of Occupational Therapy is to achieve excellence and lead the field in education, scholarship and practice.**

**We conduct this mission with the conviction that education, research and practice are equally valuable, interdependent and mutually enhancing.**

**We carry out this mission in the context of an urban research university that embraces diversity and partnership with its community, in diverse settings.**

**68**

publications

**40**

articles

**9**

book chapters

**19**

other



# Academic programs

MS, Occupational Therapy  
Doctor of Occupational Therapy

# 100%

For the past three consecutive years, 100 percent of our master's in occupational therapy graduates have passed the National Board for Certification in Occupational Therapy Exam within 12 months of graduation

# #1

*U.S. News and World Report* ranks our **master's in occupational therapy** program No. 4 in the nation and No. 1 among public universities

Our **Scholarship of Practice** model is nationally and internationally recognized for its contributions to community-engaged scholarship



Home to the internationally acclaimed **Model of Human Occupation Clearinghouse**

# 2

international field placements: Centro Ann Sullivan del Perú (master's students) and Karolinska Institutet in Sweden (OTD students)





# Department of Physical Therapy

## The mission of the Department of Physical Therapy is to:

- educate practitioners and scholars in the practice and science of PT and other health-related areas to meet current and future societal needs.
- advance and apply research and scholarship in rehabilitation sciences and other related fields.
- promote excellence in care and health outcomes, and to improve quality of life in the populations we serve.
- provide services that benefit individuals, communities, the profession of PT and the broader healthcare arena.
- strategically partner with UI Health, UIC schools and departments, other clinical and academic institutions, and national and international collaborators.

**104**

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publications

**100**

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articles

**4**

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book chapters

# Academic programs

MS, Rehabilitation Sciences

Doctor of Physical Therapy

Certificate, Clinical Rehabilitation and Technology Research

# Fellowships and residencies

Residency, Orthopedic Physical Therapy

Fellowship, Manual Orthopedic Physical Therapy

#6

100%

of our doctor of physical therapy graduates are employed within six months of graduation

*U.S. News and World Report* ranks our **doctor in physical therapy** program No. 15 in the nation and No. 6 among public universities

Over the past several years, our department has one of the **highest publications output rates** in the nation



Photo:  
Jenny Fontaine

**Four clinical research laboratories:** movement science, clinical gait and motion analysis, integumentary analysis, and brain plasticity



# Clinical services



## Assistive Technology Unit (ATU)

**The ATU provides commercially available, modified and custom-designed equipment to help individuals with disabilities achieve maximized independence.**

The ATU provides mobile services that include adaptive equipment, activities of daily living, augmentative communication, computer access, electronic aids for daily living, environmental control, home modification, specialized seating, wheeled mobility and worksite modification.

An interdisciplinary team of architects, occupational therapists, physical therapists, rehabilitation engineers and speech-language pathologists use a fleet of nine mobile units to bring services to homes, schools, worksites and recreation sites. Over 95 percent of all services take place in the community.



## Developmental Disabilities Family Clinic

**The Family Clinic serves children, adolescents and adults, and their families, with known or suspected developmental disabilities.**

Services include evaluations in hearing and speech/language, medical, OT, psychological and psychosocial.

The family support and intervention program provides social skills groups, individual and group therapy, and parent training.

The diagnostic program identifies developmental delays and co-morbid mental health or behavioral concerns. Clients may be referred to early intervention and other community services.



## PT Faculty Practice

**The Physical Therapy Faculty Practice treats patients with a variety of orthopaedic conditions.**

Patients range in age from adolescents to seniors. Conditions treated include: post-surgery, rotator cuff tendonosis, chronic/intermittent low back pain, hip and knee arthritis, and status post motor vehicle accident (whiplash), as well as other problems.

Additional services include: cardiac rehabilitation, cardiopulmonary exercise stress testing and nutrition counseling.

**Sep. 2016 to  
Aug. 2017**

**500**

average visits  
per month

**75**

average new patients  
per month



# Community engagement

**AHS engages with the community through community partnerships and direct service.**

Faculty across our college have established relationships throughout the Chicago area with organizations such as Envision Unlimited, El Valor, Access Living and Midwest Brain Injury Clubhouse.

Engagement activities include health promotion in a diverse cultural environment, wellness and healthy living, and advocacy for people with disabilities.

## Access Living

AHS faculty and students work closely with Access Living to promote community living and participation-choice and control for people with disabilities.

Access Living Center for Independent Living is run by and for people with disabilities. The organization is based on an independent living rights model with a focus on education, technical assistance and activism to support choice and control by people with disabilities.

## El Valor

AHS students work with El Valor programs and residential homes for adults who have intellectual or developmental disabilities.

El Valor is a comprehensive organization that serves Hispanic children and adults who live in the Pilsen neighborhood near UIC.

# Advancement

**We are proud to count AHS alumni, friends, students, faculty and staff, as well as corporations and foundations, among our supporters. Donations fund student scholarships, advance research, strengthen our community engagement and grow our endowment.**

**\$2,359,630**

Total endowment

**\$2,125,719**

Total donations

(Includes contributions from individuals, foundations and corporations)

**\$614,433**

Scholarship support

# Research and scholarship

**AHS is a consistent leader in research funding for allied health, with an expansive portfolio of research projects conducted in laboratories, clinics and the community.**

Financial support for the college's research comes from federal and state agencies, disease-related organizations and community foundations.

Studies by AHS investigators have national and international impact in discovering new knowledge, translating findings into practice, creating intellectual property and supporting the college's educational mission.

## Sponsored Program Expenditures

**\$9,034,749**

**\$1,839,214**

**\$1,580,420**

 Federal

 Private

 State

AHS researchers are partners in collaborative projects with their colleagues in the UIC colleges of Nursing, Medicine, Dentistry and Engineering, and the School of Public Health.

Community partners include the Chicago Public Schools, El Valor, Easter Seals and more. Such collaborations will become increasingly important in the future.

**\$294,429**

Sponsored expenditures per tenure/tenure-track faculty (full-time equivalent)

**\$12,454,383**

Total sponsored program expenditures





## Notable areas of research strength at AHS

- **fall prevention**
- **community-based participatory research**
- enhanced standards and processes for creating, using and protecting **health information** to improve clinical outcomes
- **exercise and cardiovascular function and risk**
- increased access for and **participation** by people with disabilities
- **health disparities**
- social and cultural determinants of **dietary behaviors**



## AHS Office of Research

**139**

Grant applications processed with AHS faculty as principal investigators

**94**

Grant applications awarded to AHS faculty as principal investigators



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College of Applied Health Sciences**

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