APPLIED HEALTH SCIENCES

EDUCATORS. DISCOVERERS. COLLABORATORS. ADVOCATES.

ANNUAL REPORT 2021
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 UIC 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.

UI Health

A part of UIC, UI Health is a clinical enterprise that consists of a 465-bed tertiary care hospital, 21 outpatient clinics, 11 federally qualified Mile Square Health Center locations and seven UIC health science colleges, including the UIC College of Applied Health Sciences.

We're proud to contribute to the clinical, research and academic activities that train health care leaders and foster healthy communities in Illinois and beyond.
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
- Food Science
- Kinesiology
- Life Science Visualization
- Nutrition

**Master’s**
- Biomedical Visualization
- Disability and Human Development
- Health Informatics (online)
- Health Information Management (online)
- Healthspan Promotion and Rehabilitation
- Kinesiology
- Nutrition
- Occupational Therapy

**Professional**
- Post-professional Doctor of Occupational Therapy
- Doctor of Physical Therapy

**Doctorate**
- Biomedical and Health Informatics
- Disability Studies
- Kinesiology and Nutrition
- Rehabilitation Sciences

**Certificate**
- Assistive Technology (online and on campus)
- Clinical Rehabilitation and Technology Research
- Disability Ethics (online and on campus)
- Disability Legal Studies (online and on campus)
- Healthy Living Practitioner (online and on campus)
- Health Data Science Informatics (online)
- Health Informatics (online)
- Health Informatics Fundamentals (online)
- Leadership in Health Informatics (online)
- Mobile Health Informatics (online)
- Technology-Based Health Communication and Promotion (online)

Faculty

- **Full-time equivalent (FTE):** 113
- **Tenure/tenure-track male FTE:** 15
- **Tenure/tenure-track female FTE:** 27
- **Non-tenure/tenure-track male FTE:** 21
- **Non-tenure/tenure-track female FTE:** 50
Students

2,164 total enrolled students

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Graduate</th>
<th>Professional</th>
</tr>
</thead>
<tbody>
<tr>
<td>1208</td>
<td>764</td>
<td>192</td>
</tr>
</tbody>
</table>

Enrolled students by program

**Applied Health Sciences**
- 213 total students
- 211 Undeclared

**Biomedical and Health Information Sciences**
- 491 total students
- 44 BS: Health Information Management
- 41 BS: Health Information Management (online)
- 41 MS: Biomedical Visualization
- 318 MS: Health Informatics
- 3 MS: Health Information Management
- 7 PhD: Biomedical and Health Informatics
- 7 CERT: Health Data Science Informatics
- 16 CERT: Health Informatics
- 6 CERT: Health Information Management
- 1 CERT: Health Informatics Fundamentals
- 7 NDEG

**Kinesiology and Nutrition**
- 735 total students
- 491 BS: Kinesiology
- 130 BS: Nutrition
- 20 MS: Kinesiology
- 71 MS: Nutrition
- 22 PhD: Kinesiology and Nutrition
- 1 NDEG

**Occupational Therapy**
- 138 total students
- 126 MS: Occupational Therapy
- 12 Post-professional Doctor of Occupational Therapy

**Physical Therapy**
- 201 total students
- 180 DPT: Physical Therapy
- 4 MS: Healthspan Promo & Rehab
- 8 MS: Rehabilitation Sciences
- 3 CERT: Healthy Living Practitioner
- 1 NDEG: Ortho Manual PT Fellowship
- 1 NDEG: Ortho PT Residency
- 4 NDEG: Sports PT Residency

**Disability and Human Development**
- 152 total students
- 73 BS: Disability and Human Development
- 3 MS: Disability and Human Development
- 50 PhD: Disability Studies
- 23 CERT: Assistive Technology
- 3 CERT: Disability Ethics

**Rehabilitation Sciences**
- 234 total students
- 216 BS: Rehabilitation Sciences
- 18 PhD: Rehabilitation Sciences

BS: Bachelor of Science
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

**302**
Undergraduate

**252**
Graduate

**65**
Professional doctoral

**13**
Research doctoral

Enrolled students by race and ethnicity

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>White, Non-Hispanic</td>
<td>37%</td>
</tr>
<tr>
<td>Hispanic or Latino</td>
<td>25%</td>
</tr>
<tr>
<td>Asian or Pacific Islander</td>
<td>21%</td>
</tr>
<tr>
<td>Black, Non-Hispanic</td>
<td>8%</td>
</tr>
<tr>
<td>International</td>
<td>4%</td>
</tr>
<tr>
<td>Multi-race</td>
<td>3%</td>
</tr>
<tr>
<td>Other/unknown</td>
<td>2%</td>
</tr>
</tbody>
</table>

Academic Support and Achievement Program (ASAP)

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, grad school prep tools and professional development resources.

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

<table>
<thead>
<tr>
<th>Academic skill-building workshops</th>
<th>296</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tutoring contacts</td>
<td>580</td>
</tr>
</tbody>
</table>
Department of Biomedical and Health Information Sciences

The mission of the Department of Biomedical and Health Information Sciences is to advance the quality and efficiency 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 arena of health and imaging informatics at the University of Illinois at Chicago.
Academic programs

Minor, Life Science Visualization
BS, Health Information Management (online and on-campus)
MS, Biomedical Visualization
MS, Health Informatics (online)
MS, Health Information Management
PhD, Biomedical and Health Informatics
Post-Baccalaureate Certificate, Health Data Science Informatics (online)
Post-Baccalaureate Certificate, Health Informatics Fundamentals (online)
Post-Baccalaureate Certificate, Leadership in Health Informatics (online)
Post-Baccalaureate Certificate, Mobile Health Informatics (online)
Post-Master’s Certificate, Health Informatics (online)

#2

U.S. News and World Report ranks our online BS in health information management No. 2 among all online bachelor’s degree programs

#3

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

First

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

Healthcare Administration Degree Programs ranks our online MS in health informatics No. 3 among all health informatics degree programs

Our MS in biomedical visualization program is the second oldest program of its kind and ranked No. 2 by Animation Career Review
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.
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
Certificate, Disability Legal Studies

Leader

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

• Great Lakes ADA Center
• Leadership Education in Neurodevelopmental and Related Disabilities
• University Center of Excellence in Developmental Disabilities

Home to Bodies of Work, a consortium that includes our Program in Disability Art, Culture and Humanities; UIC Disability Cultural Center, School of the Art Institute Chicago; and Access Living

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

The only comprehensive disability studies program with undergraduate, graduate, and certificate programs

Assistive Technology Certificate is one of three programs in the U.S. accredited by The Commission on Accreditation of Allied Health Education Programs
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
Academic programs
Minor, Food Science
Minor, Kinesiology
Minor, Nutrition
BS, Kinesiology
BS, Nutrition
MS, Kinesiology
MS, Nutrition
PhD, Kinesiology and Nutrition

6 research labs
Biomechanics; exercise psychology; physical activity interventions; integrative physiology; locomotor and rehabilitation; and nutrition, obesity and health equity

#15
Bachelors Degree Center ranks our MS in nutrition No. 15

#31
The National Academy of Kinesiology ranks our PhD in kinesiology and nutrition No. 31 in the U.S.

100%
100% of our master’s coordinated program graduates pass the Academy of Nutrition and Dietetics Registered Dietitian Exam within one year of graduation

Our Nutrition Teaching Garden has received a Chicago Excellence in Gardening Award for four consecutive years

Photo by: Joshua Clark
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.
Academic programs

MS, Occupational Therapy
Post-professional Doctor of Occupational Therapy

Home to the **OT Faculty Practice**, providing occupation-focused, evidence-based and client-centered occupational therapy services

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

**$2.96 million**
Total sponsored research expenditures for grants with OT faculty as principal investigator or co-principal investigator

**U.S. News and World Report** ranks our **MS in occupational therapy** program No. 1 in the U.S. among public universities (tied)

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

155 total publications

150 peer-reviewed articles

5 other
For the past six consecutive years, on average, 100 percent of our DPT graduates pass the national licensing exam.

U.S. News and World Report ranks our DPT program No. 34 in the nation and No. 17 among public universities.

1,000

More than 1,000 historical publications with over 4,000 citations.

Home to Illinois’ first and only ABPTRFE-accredited sports physical therapy residency program.

Seven research laboratories:
- motor balance
- brain plasticity
- cardiovascular function
- movement sciences
- health technology
- PT practice
- and bone and body imaging
Clinical services

**Assistive Technology Unit (ATU)**

The ATU helps individuals with disabilities achieve maximized independence. Services include adaptive equipment, augmentative communication, computer access, electronic aids for daily living, environmental modification, seating and positioning, and wheeled mobility.

An interdisciplinary team uses a fleet of eight mobile units to bring services to homes, schools, worksites and recreation sites. Over 95 percent of all services take place in community-based settings.

2007 services were provided to 902 unique individuals

**Developmental Disabilities Family Clinic**

The family clinic staff takes a holistic, multidisciplinary approach in providing services that maximize potential with a focus on quality of life for individuals with intellectual and developmental disabilities of all ages and their families. Among the programs are the Autism Clinic and TAP Training Center, Child and Family Development Center Early Intervention Program, and the Cognition Behavior and Mindfulness Clinic.

Services include developmental diagnostics and evaluations; behavioral interventions; psychological and mental health counseling with a specialization in trauma; therapy groups; speech therapy; occupational therapy; physical therapy; and family counseling, training and therapy.

Provided diagnostic and support services to 1412 unique individuals

**OT Faculty Practice**

The UIC OT Faculty Practice provides occupation-focused, evidence-based and client-centered occupational therapy services to children, youth, adults and families. It applies the UIC Department of Occupational Therapy's Community Engaged Scholarship of Practice Model, which emphasizes the meaningful relationships between community partnerships, research evidence and occupational therapy practice, to its evaluation, intervention and consultation services.

833 visits were provided to 50 unique individuals

**PT Faculty Practice**

Committed to providing a truly exceptional experience for all patients, services include physical therapy, cardiac rehabilitation, cardiopulmonary exercise stress testing and nutrition services. Patients range in age from adolescents to seniors.

**July 2020 to June 2021**

<table>
<thead>
<tr>
<th>Total Visits</th>
<th>Average New Patients per Month</th>
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<tbody>
<tr>
<td>5300</td>
<td>70</td>
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Community engagement

AHS engages with the community through partnerships and direct service. Faculty across our college have established relationships throughout the Chicago area with organizations such as Chicago Public Schools, El Valor, Access Living, Envision Unlimited, GiGi’s Playhouse Chicago, Greater Food Depository, Altus Academy 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. Visit ahs.uic.edu/community-services to learn more.

Donor generosity has fueled our success toward our IGNITE: The Campaign for UIC fundraising goal.

We are grateful for the support from AHS alumni, friends, faculty and staff to sustain our excellence in education, research, service and advocacy.

Advancement

Girls in the Game

Since 2017, Girls in the Game (GITG) and AHS have worked collaboratively to provide experiential learning opportunities for students, improve the lives of underserved youth in Chicago Public Schools, and engage in service activities to promote healthy lifestyles for young females in the surrounding Chicago communities.

GITG provides our students with extensive training sessions focused on working with children of varying emotional and behavioral needs, proper coaching strategies, conflict management and effective engagement initiatives that build character, confidence and leadership.

It Takes a Village

In an effort to better understand the factors associated with disparities in COVID-19 morbidity and mortality, specifically in childcare centers, as well as to help prevent COVID-19 breakouts in schools, AHS partnered with It Takes A Village Family of Schools (ITAV).

ITAV teachers and staff are provided regular testing for the COVID-19 virus at all ITAV sites and are incentivized for their participation in prevention. Through this effort, we are building a pilot program of COVID-19 prevention and mitigation in education settings, as well as are promoting health equity for families during a time of crisis.

Nine new gift funds established

$12.3M of $15M GOAL

285 individual donors

$3,229,645 Total donations

(Includes contributions from individuals, foundations and corporations)
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.

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. AHS researchers are partners in collaborative projects with colleagues in UIC, Chicago, the U.S. and the world.

Visit ahs.uic.edu/research to learn more.

Metabolic Kitchen
AHS is home to the Metabolic Kitchen, a professional-quality facility staffed by professional chefs and registered dietitians that makes it possible for UIC investigators to conduct high-level research in diet and nutrition that may not only improve health outcomes for Americans, but individuals all over the world.

AHS research labs and centers
AHS is home to over two dozen research labs and centers. Our broad based research portfolio ranges from laboratory-based research to community-based (engaged) research to scholarship in the humanities. View a listing at go.uic.edu/AHSLabsAndCenters.

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

$9,167,206 $1,813,711 $2,279,145
Federal Private State

$312,737
Sponsored expenditures per tenure/tenure-track faculty (full-time equivalent)

$13,260,062
Total sponsored program expenditures
Notable areas of research strength at AHS

• obesity and diabetes
• biomechanics
• community-based participatory research
• enhanced standards and processes for creating, using and protecting health information to improve clinical outcomes
• exercise physiology
• increased access for and participation by people with disabilities
• health disparities
• social and cultural determinants of dietary behaviors
• cardiovascular health

AHS Office of Research

138
Grant applications processed with AHS faculty as principal investigators

117
Grant applications awarded to AHS faculty as principal investigators