THE MARQUETTE DIFFERENCE

THE SCIENCE THAT HEALS Scientific discovery can alleviate human suffering, improve health and lead to medical breakthroughs. In the College of Health Sciences, we focus on making these things happen every day. Our graduates become physicians, researchers, therapists, dentists, lab specialists, exercise experts and more, and they build their foundation through clinical experience and cutting-edge research opportunities, typically beginning early in their undergraduate years.

GET INVOLVED Marquette has more than 250 student organizations and service opportunities, and almost all students choose to participate in some way. Students in the College of Health Sciences have raised more than $2.5 million for research through the Marquette PT Challenge. Our students serve rural communities in Central America through Global Brigades, the world’s largest student-led humanitarian organization, founded at Marquette in 2004 by one of our students. Locally, nationally and globally, our students are making a difference.

90% Average high school percentile for CHS freshmen
60% Enroll in a service learning course
70% Five-year average acceptance rate to medical school
65% Completed an internship/clinical in their major
51% On academic honors (GPA of 3.5 or higher)
100% Incoming freshmen assigned a major-specific adviser
START HERE
The college’s majors and programs are designed to lead to a variety of career options, but they also can be tailored to meet specialized or nontraditional needs. Our programs build a knowledge and practical experience base that few can match, and they are excellent preparation for students who continue to professional school.

A GREAT PLACE ON A GREAT LAKE
Often described as a big small town, Milwaukee offers all the amenities and advantages of a major metropolitan city without the hassles. It’s compact and accessible and features miles of gorgeous lakefront. With its festivals, restaurants, performances and professional sports, Milwaukee has something for everyone.
ANDREW WIETING

02
Percentage of applicants admitted annually to athletic training program

100
Percentage pass rate on national certification exam for athletic training graduates
I decided to pursue my degree because I want to own a private practice in the future. I chose Marquette because of the outstanding direct-admit PT program, which is allowing me to earn my doctorate in six years. I believe God’s plan for me is to help others achieve their goals through rehabilitative work.”

**ATHLETIC TRAINING**

*Specialize in this major — a blend of social sciences and basic and clinical sciences* — to be well-trained in preventing, evaluating, managing and rehabilitating athletic injuries. You’ll also learn current practices and trends from faculty who have worked as athletic trainers.

Athletic trainers work to strengthen and train others so they perform at peak performance without being injured.

**GRADUATES GO ON TO**

- Pursue master’s or doctoral degrees
- Work at sports medicine clinics
- Train and work with high school, college, amateur, and professional athletes and teams

**THE MARQUETTE ADVANTAGE**

- Unlike other programs, students can graduate with an athletic training degree and a doctoral degree in physical therapy in just six years through a direct-entry AT/PT track.
- By the end of sophomore year, students are working in the field alongside clinical instructors who guide them professionally and mentor their progress.
- As seniors, students work directly with high school, intercollegiate, and professional athletes to learn about and treat contact injuries.
Biomedical sciences, Marquette’s largest academic major

Annual number of high school and college visitors to gross anatomy facility

Number of CHS undergraduate students who participated in 2013 summer research program

Biomedical sciences, Marquette’s largest academic major

Annual number of high school and college visitors to gross anatomy facility

ALHAJI CAMARA

35

01

4k
BIOMEDICAL SCIENCES Human sciences that underlie the practice of medicine and the health professions are the basis of this program. Students complete an inside look at the human body in gross anatomy class, examine key molecular structures and mechanisms of human physiology, learn how diseases are treated, and apply this knowledge in clinical problem-solving situations. This program of study provides a strong competitive advantage because of the program’s rigorous, human-focused nature.

The Marquette biomedical sciences major is one of the few programs in the nation that provides a complete cadaver dissection experience. This powerfully reinforces a three-dimensional understanding of the human body that serves as the basis for the human medical science course work at the cellular and molecular levels that follows. I have no doubt that my time at Marquette has better shaped my ability and reinforced my desire to be a physician.”

GRADUATES GO ON TO

• Professional or post-graduate education to become physicians, physician assistants, physical therapists, pharmacists, optometrists, dentists, biomedical researchers and more

THE MARQUETTE ADVANTAGE

• Pre-medical Studies: Graduates are accepted to medical schools at rates that far exceed the national average.

• The Pre-dental Scholars Program allows students to graduate with their undergraduate degree and professional dental degree in just seven years, rather than the more typical eight it takes at other schools.

• The intensive 10-week, full-time Biomedical Sciences Summer Research Program gives students an opportunity to work with faculty on current medical research topics.

• There’s no need to wait until medical school for a full gross anatomy experience. Marquette offers one of the few programs in the nation for undergrads.

RESEARCH

Working alongside professors in their laboratories, students participate in research with the potential to increase the understanding of human health issues and make discoveries that show up in textbooks a few years down the road.

FACULTY RESEARCHERS ARE STUDYING

• Spinal cord injury and gene therapy that could be used in the treatment of paralysis

• Brain mechanisms involved in drug craving and relapse in addicts

• Hormones secreted with exposure to stressful stimuli and how they can lead to illness

• Proteins that reveal how alcohol acts on the central nervous system at the molecular levels

• The body’s regulation of food intake and energy metabolism

• Mechanisms of neurodegeneration involved in stroke and Parkinson’s and Alzheimer’s diseases
National board pass and job placement rate for clinical laboratory science program graduates

ANDREW VALIQUETTE

Number of 1st-, 2nd- and 3rd-place awards given to clinical laboratory science students at a 2013 state scientific poster competition

100 National board pass and job placement rate for clinical laboratory science program graduates
CLINICAL LABORATORY SCIENCE

Between 70 and 80 percent of all diagnostic information used by medical practitioners comes from tests run by clinical laboratory scientists. Students learn on cutting-edge equipment in state-of-the-art classrooms and clinical sites and are trained to perform scientific evaluation, recognize significances and use critical thinking in the context of clinical problem-solving.

Clinical laboratory scientists combine chemistry and biology with clinical laboratory experiences at the highest levels of diagnostic testing.

“This is a challenging program, but the level of preparedness provided and the guaranteed clinical rotation experience are two strong competitive advantages over other programs.”

GRADUATES GO ON TO

• Coordinate medical laboratory operations
• Work in forensic medicine, consumer product testing labs, medical product sales and marketing, pharmaceuticals, and research and product development
• Pursue medical, graduate or dental school

THE MARQUETTE ADVANTAGE

• Nearly all students are offered employment before graduation.
• By sophomore year, students spend their clinically based course work time in state-of-the-art classrooms with leading-edge equipment.
• Seniors perform comprehensive testing in microbiology, chemistry, coagulation, hematology and transfusion medicine.
• Seniors spend six months working at a clinical site, with clinical placements guaranteed.
Job placement percentage for exercise physiology majors

Available educational tracks in the program
I love the great opportunities around Milwaukee to become involved in health care. All my professors have been influential in my life and taught me more than I could have imagined. There are so many campus and city activities, making Marquette the perfect place to start my career.”

EXERCISE PHYSIOLOGY

Prepare for a career in wellness, exercise programming and fitness training. Hands-on classes are designed around small groups and labs taught by faculty experts who are researchers and teachers. Many students find this program a natural fit with the doctoral program in physical therapy. Exercise physiologists provide exercise programming, fitness training and exercise prescription, along with leading exercise research in anatomy, kinesiology, biomechanics, cardiovascular fitness and more.

GRADUATES GO ON TO

• Become cardiopulmonary rehabilitation professionals, exercise physiologists, personal trainers, strength and conditioning specialists or physical therapists

THE MARQUETTE ADVANTAGE

• Follow a pre-professional track. The program is steeped in pre-physical therapy course work, so many graduates enroll in our doctoral physical therapy program.
• Earn your bachelor's degree and doctoral physical therapy degree in six years through the direct-admit PT program. Or earn bachelor’s and master's degrees in our accelerated five-year program.
• Students work in small groups, meaning hands-on instruction in clinical and translational rehabilitation training.
SPEECH PATHOLOGY AND AUDIOMETRY

Impaired communication can affect nearly every aspect of a person’s life. Speech-language pathologists and audiologists help people improve their ability to communicate and enhance the quality of life in people with speech, language and hearing disorders.

The program’s biggest advantage is that it’s hands on. Starting freshman year, you begin to observe clients and learn how a communication disorder affects an individual. Then, you learn what you can do to remediate the problem.”

GRADUATES GO ON TO

• Graduate education in a professional degree program, like Marquette’s master’s degree in speech-language pathology
• Work in clinical and research settings

THE MARQUETTE ADVANTAGE

• More than 85 percent of students who apply to graduate school are offered admission into the nation’s top programs, including Marquette’s. Undergraduates can apply for early admission as a junior to the graduate program and take classes toward credit for early completion of a graduate degree.
• Ninety-eight percent of graduate students pass the specialty examination in speech and language pathology on their first attempt.

PRACTICAL EXPERIENCE

• Undergraduates can gain valuable clinical experience at Marquette’s on-site speech and hearing clinic.
• Marquette’s proximity to large Spanish-speaking populations positions graduate students well for the bilingual English-Spanish certificate, a unique program in the Midwest.
JASMINE SIMON

Percentage job placement rate for physical therapy doctoral program graduates: 100%

National ranking for physical therapy program from U.S. News & World Report: 12

Number of national clinical training sites for physical therapy program: 500

Number of national awards earned by physical therapy faculty and students since 1990: 43
**DOCTOR OF PHYSICAL THERAPY**

*Ranked 12th in the nation by U.S. News & World Report,* Marquette’s doctoral physical therapy program features award-winning faculty and students who have earned 43 national awards from the American Physical Therapy Association since 1990. Our direct-admit program means students can earn their undergraduate and DPT degrees in six years.

Physical therapists apply exercise, gait training and physical modalities to help patients restore normal movement and improve their health.

As a physical therapist, I will be able to take on multiple roles as a clinician, educator, role model and critical thinker, encompassing all that I want in my future career. Marquette’s pillars rooted in excellence, faith, leadership and service make its nationally ranked doctor of physical therapy program the perfect fit for me.”

**GRADUATES GO ON TO**

- Work in hospitals and clinics or private practice

**THE MARQUETTE ADVANTAGE**

- The program is ranked 12th of 210 national programs by *U.S. News & World Report.*
- Apply for direct admission into the DPT program as a freshman.
- The Health Careers Opportunity Program provides career exploration, science enrichment and retention services to disadvantaged students interested in the health professions.
- Students assist in treating patients at the on-site physical therapy clinic.
- Students participate in 30 weeks of clinical internships, working in hospitals and clinics throughout the country.
National Health Corps Service Scholars in physician assistant studies program during past three years

National ranking for physician assistant studies program from U.S. News & World Report

Average mean percentile score on national board exam for physician assistant studies students during past three years

Percentage job placement rate and national board pass rate for physician assistant studies master’s program graduates

National Health Corps Service Scholars in physician assistant studies program during past three years
**MASTER’S IN PHYSICIAN ASSISTANT STUDIES**

Physician assistants are licensed to practice medicine with physician supervision. The career was the third-fastest in growth through 2012, according to the U.S. Bureau of Labor Statistics, and Marquette’s outstanding program maintains a 100 percent job placement rate. 

Physician assistants conduct physical exams, diagnose and treat illnesses, order and interpret tests, assist in surgery, and write prescriptions.

One of the main reasons I chose Marquette is because of its 100 percent national certification exam pass rates and job placement. Marquette PAs have an outstanding reputation in the state of Wisconsin and are constantly contributing to positive change in the community.”

**GRADUATES GO ON TO**
- Work with physicians and other health professionals in hospitals, clinics and private medical practice

**THE MARQUETTE ADVANTAGE**
- The accelerated five-year program means students can graduate in five years with a bachelor’s and master’s degree.
- Graduates have a 100 percent pass rate on the national certifying exam and a 100 percent job placement rate.
- Students participate in hospital and clinical rotations in emergency medicine, family practice, internal medicine, pediatrics, surgery and other specialty disciplines.
- The program offers opportunities for post-graduate residencies in emergency medicine and primary care medicine.
PHYSICAL THERAPY CLINIC

The full-service Marquette Sports Rehabilitation Clinic features licensed physical therapists and athletic trainers and is conveniently located on campus. The clinic treats patients suffering from new injuries and chronic ailments and provides access to state-of-the-art equipment in its body composition, strength and conditioning, exercise physiology, and motion analysis laboratories.

OUR SERVICES

Based in the College of Health Sciences’ Physical Therapy Department, the clinic provides the following services to students and employees:

• Full physical therapy and athletic training services (physical rehabilitation, strength training, athletic injury prevention and treatment, and wellness education)
• Bone density scans
• X-rays
• Free injury evaluations
• Custom orthotics
SPEECH PATHOLOGY CLINIC

The Marquette Speech and Hearing Clinic provides services to the Milwaukee community at little or no cost. The clinic serves as a training ground for the speech pathology and audiology program under the supervision of the clinical faculty, all of whom are certified by the American Speech-Language and Hearing Association and licensed by the state of Wisconsin.

OUR SERVICES

Referrals for service are accepted from several sources.

• Speech and language evaluation
• Hearing evaluation
• Voice evaluation
• Afluency (stuttering) evaluation
• Individual therapy for speech and language disorders, including laryngectomy, voice and afluency

Group therapy is available for adults with language disorders because of stroke or other neurological impairments and for children with delayed speech and language development.