OHIO UNIVERSITY Athletic Training

Post-professional Master’s Degree Program

2016-2017

College of Health Sciences and Professions
School of Applied Health Sciences and Wellness Ohio University
Athens, OH

Providing Care to Underserved Populations

Division of Athletic Training School of Applied Health Sciences and Wellness • College of Health Sciences and Professions
ABOUT THE PROGRAM

The Ohio University Post-Professional Athletic Training Program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). We are dedicated to expanding our students’ depth of athletic training knowledge. The program strives to develop independent thinking, emphasize evidence-based decision making, promote scholarly inquiry, and instill ethical practice through a balance of positive learning experiences, innovative research, leadership development, and service to the surrounding communities and underserved populations.

Since 1972, the Post-Professional Program has been educating graduate students to become contributing members and leaders within the athletic training profession. The graduate program challenges students to become researchers, educators, leaders, and advanced clinicians. Students may choose to serve as teaching assistants and are given the opportunity to act as preceptors in the clinical setting for the professional athletic training program.

The post-professional program is designed for students who have earned a bachelor’s degree from an accredited Professional athletic training program. Graduate students have the opportunity to tailor their educational experience in a two-year (five semester) academic track by completing a thesis or research project. The academic experience is reinforced through clinical experience and vice-versa. Building on the expertise of our faculty and staff, research emphasizes evidence-based practice, epidemiology of underserved populations, and athletic training education.

The athletic training program is staffed by seven athletic training faculty members and five sports medicine department athletic trainers. Several other medical and health care professionals contribute to the program’s academic and clinical components.

Upon graduation students receive a Master of Science in Athletic Training degree.

OUR MISSION

The mission of the Post-professional Athletic Training Program is to promote and advance the athletic training profession through academics, scholarship, and practice. The program strives to provide advanced systematic study, innovative research opportunities, leadership development, teaching experiences, and professional service. An emphasis is placed on personal and professional development.

FINANCIAL ASSISTANCE

Graduate assistantships and tuition waivers are available to qualified students. Funded students receive a stipend and full in-state and out-of-state tuition waiver for the Fall and Spring semesters. All students are responsible for paying the first (summer) semester tuition. See Graduate Assistantships for more information regarding funding options.

For students receiving a funded position, athletic training certification and the appropriate state athletic training credential are required prior to August 1st to begin clinical placements. Those students who receive a graduate assistantship are awarded a stipend and a full or partial tuition scholarship. Graduate assistants may be placed at one of the following clinical sites, depending on availability:

- Ohio University intercollegiate athletics
- Ohio University club sports and ice hockey
- Athens area high schools
- Columbus, OH area high schools
- Columbus, OH area colleges
- Marietta College
- SHAPE Clinic (Performing Arts Medicine)

Columbus Cohort

The post-professional program has expanded into the Columbus area. Ohio University’s Dublin Campus, serves as a distance learning base for students to engage in their post-professional coursework. Columbus students are based in the Athens campus for the summer semester. Partnering with OhioHealth, graduate assistantship placements are offered through Columbus area high schools and colleges.

Program Points of Distinctiveness

- Medically underserved populations
- Evidence-based practice (e.g., diagnostic, concussions, and therapeutic modalities)
- Sports injury epidemiology
- Performing arts medicine
- Professional issues in athletic training

For More Information... Visit us on the web at: https://www.ohio.edu/chsp/ahsw/athletic-training/graduate/index.cfm
Program Design

The post-professional program uses an academic, research, and clinical-based approach to develop scholarly-clinicians who understand the role of research in guiding practice and incorporate evidence into their patient care.

Program Goals and Objectives

Upon completion of the graduate athletic training program, the student will be able to:

Participate in and understand the principles of scholarly inquiry.
- Engage in high-quality graduate education that provides students with professional and scholarly development opportunities in research, clinical skills, and teaching, ultimately fostering scholarly practitioners for the future.
- Identify the elements fundamental to the research process.
- Understand instrumentation and measurement used in data collection.
- Successfully complete an Office of Research Compliance IRB Committee on Human Subjects Research protocol.
- Critically analyze, interpret, and apply the results of published research in conducting a literature review.
- Develop a research question, collect data, and perform a statistical analysis resulting in a final project or academic thesis.
- Prepare research findings in a professional manner, including readiness for submission to a peer-reviewed journal, poster presentation, or published abstract.

Develop a standard of care beyond the entry-level (advanced clinical practice).
- Develop an evidence-based approach to practice.
- Critically analyze, interpret, and apply to professional practice.
- Synthesize the principles of biomechanics, anatomy, and neurology to develop therapeutic interventions.
- Develop strategies to provide athletic training services in a medically underserved region.

Realize professional and personal growth.
- Undertake a strategy to identify personal and professional strengths and areas for growth.
- Become an active participant in athletic training professional organizations (e.g., NATA, BOC, CAATE, WFAT, state associations).
- Progress professional skills from proficiency to mastery.
- Recognize the importance of ethical decision-making in patient care decisions.
- Effectively communicate with patients, parents, supervisors, physicians, coaches, and peers.
- When applicable, develop skills as a classroom and/or preceptor or supervisor.

Academic Program

The post-professional program consists of a two-year (5 semesters) academic plan. The academic program is developed in conjunction with the program director and allows for additional electives and guided-learning opportunities. Graduate students also have the opportunity to serve as teaching assistants and/or preceptors for professional (undergraduate) AT programs.

Two-Year Course Sequence

Summer (Semester 1)                  Credits
EXPH 6080 Research Methods and Instrumentation 3
AT 6100 Orthopedic Diagnosis 3
AT 6110 Administrative Aspects of AT 3
Total 9

Fall (Semester 2)
AT 6200 Advanced Therapeutic Interventions 3
AT 6210 Human Anatomy 3
AT 6220 Athletic Training Research I 3
AT 6920 Athletic Training Practicum 2
AT 6940 Research Project 2-4
Total 13-15

Spring (Semester 3)
AT 6310 Neuromechanics 3
AT 6920 Athletic Training Practicum 2
AT 6940 Research Project 2-4
ELECTIVES(s) 3
Total 12-14

Fall (Semester 4)
AT 6920 Athletic Training Practicum 2
AT 6940 Research Project 2-4
OR AT 6950 Thesis 2-6
ELECTIVES 6
Total 12-14

Spring (Semester 5)
AT 6320 Athletic Training Research 2 3
AT 6920 Athletic Training Practicum 2
AT 6940 Research Project 2-4
OR AT 6950 Thesis 2-4
ELECTIVE 3
ELECTIVE 2
Total 12-16

Total Credits: 58-68

Suggested Electives

AT 5100 Orthopedic Appliances (prepares for ortho tech exam)
AT 5300 Manual Therapy
ELIP 5140 Writing in Graduate Studies
EXPH 5160 Resistance training (CSCS exam prep)
NUTR 6600 Nutrition for Sports and Fitness
PT 8650 Sports Physical Therapy
PT 7150 Imaging in Rehabilitation
Research Component

The program emphasizes applied research that has immediate applicability to clinical practice. Over the years, Post-professional athletic training students and faculty have produced high-quality research that has been presented at state, district, and national symposia, with many being published in peer-reviewed journals. Students may be awarded competitive research funding from university, state, or national organizations.

All students are required to complete a master’s level thesis and/or project. This will involve a mentored experience (see “Research Topic Focus Areas”) in the execution of original research. The completed work is expected to be of sufficient quality to be presented at a National professional or scientific meeting (ACSM, NATA, NSCA etc.) and for publication in a peer-reviewed journal. Research topics must be performed in the area of expertise of an athletic training faculty member.

Working with a primary mentor, students conceptualize a research topic, develop the methodology, collect and analyze data, and present the results in manuscript (project) or thesis format. The first semester, students identify a faculty member to serve as their primary mentor based on the faculty’s research interests. Students who are completing a project are also encouraged to find a co-mentor faculty; students who are completing a thesis must have a mentor and two additional Ohio University faculty on their committee.

Each semester offers research courses to guide the students through the process of developing a research question, obtaining IRB approval, data collection, data analysis and writing the results.

Research Topic Focus Areas

- Educational assessment
- Epidemiology
- Evidence-base practice
- Healthcare outcomes assessment/health related quality of life
- Military human performance
- Musculoskeletal injury screening and prevention
- Neural control of human movement
- Neuroplasticity associated with musculoskeletal injuries and rehabilitation
- Outcomes of lateral ankle sprains and chronic ankle instability
- Patient reported outcomes after AT interventions
- Performing Arts Medicine
- Profession-based issues
- Professional burnout
- Psychological response to injury
- Psychosocial development of adolescents and young adults
- Visual-motor implications for injury risk

Diffusion tensor imaging (a measure of brain structural connectivity) of the primary motor cortex for anterior cruciate ligament reconstructed (ACLR) and matched control groups. Notice the increased contralateral and temporal lobe infiltration of white matter connectivity stemming from the motor cortex in the ACLR (orange) group (red box). This indicates that after ACL injury the brain rewires to utilize alternative sensory input, namely visual processing for motor control.
Graduate Assistantships

Clinical placements are a mechanism to supplement and reinforce the academic and research components of our program. Funded students are awarded a minimum $9,000 stipend. Additional funds of up to $1,300 are available to students who are required to travel more than 25 miles to their clinical placement.

Students are financially responsible for the additional student fees posted (1) on the Ohio University graduate school Web site http://www.ohio.edu/finance/bursar/, and (2) any associated course fees, travel costs, technology fees, student health insurance, and additional expenses dedicated per clinical placement (e.g., drug screens, immunizations, etc). All students are responsible for paying for their summer tuition.

Program-specific fees include:
- $95 AT5100 – Orthopedic Appliances (elective).
- $135 AT6210 – Human Anatomy for AT
- $89 Typhon system (one-time payment)
- Varies Professional liability insurance

Up to 24 new students may be awarded graduate assistantships. Assistantship assignments are made based on the student’s experiences, preferences, and institutional need.

Requesting an Assistantship

On the program application form, please rank order your clinical venue and location preference. Students are first selected based on their ability to conduct graduate-level academics, the choice of clinical venue, and research topic factor into the selection process. Candidates may be offered a placement at a site other than that requested. Assignment decisions are made during the summer. The availability and number of placements in each of the venues varies from year-to-year.

High School Assistantships

High school placements are best suited for those students who are seeking an autonomous clinical experience. Students assigned to area high schools serve as the head athletic trainer and, working under the direction of a physician, are responsible for all facets of athletic health care. The high school setting is a great opportunity for students to develop clinical independence, improve their management skills, and become strong practitioners. After this experience, students are prepared for any employment opportunity.

Positions are available in an approximate 50 mile radius from Athens and several throughout the Columbus area. Reliable transportation is a requirement of all graduate assistants. Students who are offered a position at a more distant site from Athens will be notified at the time of offer.

Club Sports Assistantship

This graduate assistantship functions as the head athletic trainer for Ohio University Club Sports teams. Primary coverage is provided to contact sports teams, such as men’s and women’s rugby, men’s lacrosse, and men’s and women’s soccer. Other coverage is provided on an as-needed basis. This position also has administrative responsibilities within the Division of Athletic Training.

Club Ice Hockey Assistantship

The head athletic trainer for the OU DI club ice hockey team is a two-year position working the full season. Additional assignments will be made to Club Sports and other venues on an as-needed basis during the off-season.

Intercollegiate Athletics

ICA graduate assistants report to the full-time Sports Medicine Staff and are provided with the opportunity to learn from the extensive experience of the fulltime sports medicine staff while developing skill and gaining further college athletic training experience.

Science and Health in Artistic Performance (SHApe) Program

Performing arts medicine is a blossoming field that brings together the sciences and the arts in innovative ways. Performing artists are prone to a high injury rate because of the rigor of their physical activity. These “artistic athletes” typically do not receive the specialized healthcare they require. At OU, the Division of AT is collaborating with the College of Fine Arts to address the health and healthcare needs of performers.

The initiative, Science and Health in Artistic Performance (SHApe) comprises three facets: clinical care, research, and education. The healthcare needs of our performing arts students are met by the SHApe Clinic, located in Putnam Hall. The research component investigates the demands that artistic performance places on the body’s musculoskeletal system. The final piece of the SHApe initiative, education, targets both healthcare workers, equipping them to better serve the healthcare needs of performing artists, and performers and performing arts instructors, offering essential information about maintaining a healthy artistic practice.

Note: These positions are tentative for the 2016-2017 academic year.
Faculty and Staff

Athletic Training Faculty

Chad Starkey, PhD, AT, FNATA - Professor/Division Coordinator
Dr. Starkey received his bachelor’s degree from West Virginia University and his MS and PhD from Ohio University.

Dr. Starkey was a member of the BOC’s Board of Directors, the NATA Education Task Force, and currently serves on the CAATE Board. Dr. Starkey has authored several textbooks including Therapeutic Modalities, Examination of Orthopedic and Athletic Injuries, and the AAOS Athletic Training and Sports Medicine. He has several peer-reviewed journal publications and professional presentations. He is a member of the editorial boards for the Journal of Athletic Training, Journal of Sport Rehabilitation, and served as an editor of the 19th through the 22nd editions of Taber’s Cyclopedic Medical Dictionary.

His research areas are epidemiology, evidence-based practice, the financial implications of injury, and the efficacy of therapeutic modalities. He also provided epidemiological services to the NBA.

Dr. Starkey has received the NATA’s Service Award, the EATA’s Cramer Award, the NATA’s Most Distinguished Athletic Trainer Award, and the Sayers “Bud” Miller Distinguished Educator Award. He has given the Keynote address at several professional meetings. In June 2009 Dr. Starkey was inducted into the NATA Hall of Fame.

Janet Simon, PhD, AT, Assistant Professor
Dr. Simon has joined the Division on Athletic Training as an assistant professor. Prior to returning to Ohio University, she was a Visiting Assistant Professor at University of Toledo. Dr. Simon earned a bachelor’s degree from Southern Connecticut State University (Athletic Training) in 2008, a master’s degree (Athletic Training) from Ohio University in 2010, a second master’s degree (Applied Statistics), and doctorate (Motor Control) from Indiana University in 2014. Her research interests include current health related quality of life and physical fitness levels of former collegiate athletics, patient reported outcomes, outcomes of lateral ankle sprains and chronic ankle instability.

Justin Grooms, PhD, AT, CSCS – Assistant Professor
Dr. Grooms received his doctorate from The Ohio State University in health and rehabilitation sciences, with a focus on neuroscience and biomechanics. Prior to pursuing his doctoral studies, Dr. Grooms was an assistant athletic trainer and instructor at the College of Mount Saint Joseph in Cincinnati Ohio. He completed a master’s degree from the University of Virginia in kinesiology and bachelor’s degree from Northern Kentucky University in Athletic Training. His primary research interest investigates brain and movement mechanics change following musculoskeletal injury and therapy.

Jeffrey A. Russell, PhD, AT—Assistant Professor
Dr. Russell received his bachelor’s degree in sports medicine from Rice University, his MS in athletic training from the University of Arizona, and his PhD in performing arts medicine and science from the University of Wolver-hampton in the UK. In 2002, Dr. Russell changed his professional focus to dance medicine because he realized that dancers received virtually no healthcare compared to athletes. He used his skills as an AT to build a university performing arts medicine program that mirrored his university’s sports medicine program; since then he has continued to champion improved healthcare access for performing artists.

Dr. Russell’s work with the athletic training program includes directing the Science and Health in Artistic Performance (SHAPE) program that comprises an injury clinic (the SHAPE Clinic), research lab, and educational curriculum for performing artists and healthcare students. His research involves lower extremity pathoanatomy and pathomechanics in dancers, and the musculoskeletal demands of performing arts on the body. He is a member of the Board of Directors and Fellow of the International Association for Dance Medicine & Science and serves on the Editorial Board of the Journal of Dance Medicine and Science.

Kayla Shinew, PhD, AT – Professional AT Program Director
Dr. Shinew received her bachelor’s degree in 2006 from Lock Haven State University in Pennsylvania and her masters of science degree in 2007 from Austin Peay University in Tennessee.

While completing her doctoral studies from 2007-2009 Dr. Shinew served as the AT for OU’s Men’s Club Ice Hockey Team. Kayla completed her PhD studies within the College of Education in June 2011.

Christina G. Orozco, MEd, AT – Assistant Clinical Professor/Clinical Coordinator
Ms. Orozco received her BS in Kinesiology-AT from Cal State University-Fresno in 2008 and her MEd in AT from the University of Virginia in 2009. She received several student leadership scholarships and presented at numerous symposiums. She was an adjunct faculty and AT at Antelope Valley College and then served as an AT for the University of Cal-Riverside, where she was the Sports Medicine Internship Coordinator and preceptor for the entry-level master’s AT program for California Baptist University. Ms. Orozco oversees Athens-based graduate and undergraduate clinical AT students' clinical education.
Laura Harris, PhD, AT- Assistant Clinical Professor
Dr. Harris is based in Dublin, Ohio, at the Dublin Integrated Education Center. She is a graduate of Wilmington College (BS), Indiana University (MS), and The Ohio State University (PhD). Prior to working at Ohio University, she served as the Director of Clinical Education for The Ohio State University’s (OSU) Athletic Training Program between 2001-2013.

Dr. Harris has three research areas of interest, psychosocial development, psychology of injury, and educational assessment. Her most recent project involves the analysis of the psychological impact of concussion in adolescent patients.

Dr. Harris was awarded the 2004 Clint Thompson Award for the Outstanding Manuscript in the Journal of Athletic Training, the 2007 Excellence in Teaching Award from the OSU College of Medicine, and the 2007 Teaching Award from the OSU School of Allied Medicine. She has also been recognized by the Ohio Athletic Trainers’ Association for her mentorship in 2007 when she was awarded the Linda Weber Daniel Outstanding Mentor Award and in 2012 when she was named the Athletic Trainer of the Year. In 2011 and 2014, Dr. Harris was awarded the Service Award from the OSU School of Allied Medicine and NATA respectively.

Our Sports Medicine Staff

John Bowman, MEd, AT- Assistant Athletic Director for Sports Medicine Services
A 1987 graduate of Ohio University’s undergraduate athletic training major and a 1989 graduate of the University of Virginia’s master’s degree athletic training program, John has been employed by the Ohio University athletic department since 1994. He serves as the head athletic trainer for OU football and oversees three full-time and our graduate assistant ATs. Previously, he was the head athletic trainer and assistant athletic director at Wagner College in Staten Island, NY.

Caleb Couture, MS, AT, CES- Staff Athletic Trainer
Caleb is in his second season as a staff athletic trainer with the Ohio University football program. Couture arrived in Athens after spending two-season with the NFL’s Cleveland Browns from 2012-2014. Couture also spent the 2011 preseason with the Jacksonville Jaguars as a summer intern. Couture earned his bachelor’s degree from the University of New Hampshire in 2012 and his master’s degree from California University of Pennsylvania in 2013.

Chris Miller, MS, AT- Staff Athletic Trainer
Chris received his Bachelors degree from the University of Northern Iowa’s athletic training education program in 2010 and his masters degree in Physical Education/Exercise Science from Central Michigan University in 2012. Chris’s primary sport responsibility is women’s basketball while also overseeing the graduate assistants with baseball and women’s swimming & diving.

Annika Bailey, MS, AT - Staff Athletic Trainer
After her Bachelor of Science degree from California Lutheran University, Annika served as an AT intern at New Mexico State University. Annika is employed as a staff athletic trainer at Ohio University, where she earned her master’s degree in athletic training. Ms. Bailey primary sports responsibilities are women’s soccer and men’s basketball.

Kelly Hockenberger, MS, AT - Staff Athletic Trainer
After receiving her undergraduate degree from Ohio University and her master’s degree from Arkansas State, Kelly was an AT at Northern Illinois University from 2002-2008. At OU Kelly is responsible for providing athletic health care services to the volleyball and wrestling teams.

Ohio University has one of the largest program alumni base in the country, with graduates employed as athletic trainers from coast-to-coast and virtually every venue. The OU alumni family is supportive of our program and our graduates. Largely due to this relationship the graduate AT program has a high post-graduation employment rate.

Join us on facebook and meet Ohio University athletic training alumni, faculty, staff, and students.

Join us on facebook at: https://www.facebook.com/groups/OUAthleticTraining/
Facilities
December 2016 will see the start of a complete overhaul of Ohio University’s athletic training teaching, laboratory, and research facilities. Located in Grover Center, these renovations expand our teaching space to 2,200 square feet and our research space to 2,100 square feet. These facilities are augmented by a human cadaver laboratory in Grosvenor Hall, the Ohio Musculoskeletal and Neurological Institute (OMNI, http://www.oucom.ohiou.edu/omni/), and collaborative teaching and research space in Grover Center.
Applying to the Program

Ohio University’s graduate athletic training master’s degree is a CAATE-accredited post-professional program. Applicants must meet the following requirements to be considered for unconditional admission to the athletic training graduate program:

1. Earned bachelor’s degree in athletic training from a CAATE-accredited AT program.
2. Minimum overall undergraduate grade-point average of 2.7 on a 4.0 scale on the last 90 quarter hours or 60 semester hours. A GPA of 3.0 is highly preferred.
3. A minimum score of 300 on the Graduate Record Examination (GRE) is preferred.

Graduate classes begin around July 1st and clinical placements begin August 1st. Students must be BOC certified and licensed/registered by the appropriate state before starting clinicals.

Application Timeline

Full consideration is granted to completed applications that are received by January 6, 2016. Applications received after this date are considered on a space-available basis.

Early January: Screening of applicants
January 8: Applications are due
January 28/29 (Approximate): Selected applicants are invited for an on-campus interview. A second round of interviews may be scheduled based on the number of applicants. In some instances (e.g., long distances) candidates may be interviewed via Skype.

When an offer for funding is extended to the student, the program believes in a philosophy of allowing the student to make an informed decision when choosing their graduate program. For students offered tuition assistance we request that you notify us of your decision within 1 week following the official offer of acceptance into our program.

~July 1: Summer classes begin. The actual start date varies.

The admissions processes ends when all positions are filled.

Application Procedure

To be considered for admission into the Post-professional Athletic Training Program please adhere to the following procedures:

1. Apply online at www.ohio.edu/graduate/apply/index.cfm.
2. Ohio University’s Graduate Record Examination (GRE) code is 1593.
3. Submit the application fee of $50 ($55 for international students).
4. Please upload the following information to your online application (available at http://www.ohio.edu/graduate/apply/App-Upload.cfm):
   - Program application form (found on the Graduate Athletic Training website).
   - A one-page biography that includes information about your background and experience and how they relate to your future career goals.
   - A resume of your educational background and professional work experience.
   - On the application website please supply the email addresses for the three people who will provide a letter of recommendation. A link will be sent to these individuals who will then upload their recommendation. Please email a copy of the Student Evaluation Form (found on the Graduate Athletic Training website) to these individuals who will need to upload the completed form to the application site (this is in addition to the recommendation form from the Graduate College). At least two references must be from someone who can attest to your qualifications in your chosen field and one must be from an academic faculty member who can support your ability to produce successful academic work at the graduate level.
5. Please have your institution mail one copy of your official current transcripts from each post-secondary institution attended as described on the application site.
6. International students must also present TOEFL scores (minimum of written 575, computer 233) for consideration.

If you have any questions about the application process, please email Dr. Starkey (starkeyc@ohio.edu).