

University of Hawai'i at Mānoa
College of Education
Department of Kinesiology and Rehabilitation Science
MASTER OF SCIENCE DEGREE
ENTRY-LEVEL ATHLETIC TRAINING
CAATE accredited since 2005 with continuing accreditation until 2019-2020

The Athletic Training Profession

Board of Certification (BOC) Certified Athletic Trainers (ATC) are health care professionals recognized by the American Medical Association who specialize in the prevention, assessment, treatment, and rehabilitation of injuries to athletes and others engaged in physical activity. The presence of Certified Athletic Trainers is standard practice in professional and intercollegiate sports and mandated in every public high school in Hawai'i. Many other states require an ATC at practices and competitions. Additionally, sports medicine clinics serve the populations not covered by full or part time ATCs and employ ATCs as physician extenders to provide associated rehabilitation and patient care in a team approach with orthopedic surgeons, physician assistants, physical therapists, and other health care professionals. The growth in physical fitness awareness and sport participation emphasizes the need for appropriate health care in junior high schools, high schools, colleges and universities, professional athletic organizations, sports medicine clinics, company based fitness centers, military, and industrial settings. Please visit the National Athletic Trainers' Association (NATA) website for additional information about careers in athletic training: <http://www.nata.org>.

Athletic Training Education follows a continuum of practice and certification. On this continuum, students preparing for a professional education program in Athletic Training are pre-professional, or Pre-Athletic Training students. Once admitted to an accredited Entry-Level (Professional) Education program, students acquire knowledge, hands-on skills, clinical experience, and are eligible for BOC certification. At the other end of the continuum, Post-Professional Education programs are for individuals who are already certified, have gained work experience in the profession, and are seeking additional research-based knowledge to enhance and improve clinical practice.

Entry-Level Graduate Athletic Training Education Program (EL-GATEP)

Program Mission

The EL-GATEP mission is to prepare graduate students to become BOC certified athletic trainers and scholarly practitioners in the athletic training profession. Upon completion of the EL-GATEP, the student will fulfill all of the requirements for BOC certification. Please visit the UHM EL-GATEP website at <http://www.hawaii.edu/kls/atms/> for details.

Admission Requirements

Applications are accepted on an alternate year cohort basis in odd years only. Students begin as a cohort group in the Summer Session II and are formally admitted to the Graduate Division in the Fall Semester. Applicants must meet the requirements of the Graduate Division and the program. Admitted applicants can be classified as Regular status in one of two ways, 1) possesses a Baccalaureate degree in Exercise Science or a related area and a minimum overall grade point average (GPA) of **3.0 GPA** during the final two years of undergraduate work, or 2) possesses a Baccalaureate degree in another area but completed coursework to meet pre-requisites for the program, in addition to minimum GPA. An applicant's GPA, GRE score, and official transcripts are minimum requirements for the Graduate Division. The program also has its own requirements. Please see the University of Hawai'i at Mānoa College of Education website for details: <http://www.coe.hawaii.edu/krs/masters>.

Applicants for the MS degree will be further evaluated on their academic preparation for the program and previous clinical experiences. The EL-GATEP application (in addition to application requirements for the Graduate Division) requires applicants to provide transcripts of having completed or be in the process of completing EL-GATEP **pre-requisites**, three letters of recommendation, and document **~200 hours** of observation of an Athletic Training Clinic at a local university or high school. Applicants must also read and complete the "Technical Standards" prior to consideration for admission.

Pre-Athletic Training Requirements (Pre-Requisites)

The Department of Kinesiology and Rehabilitation Science (KRS) offers all of the Pre-Athletic Training requirements. Additionally, Pre-Athletic Training and related coursework may allow students to fulfill the requirements for entry into other professional education programs (e.g. physical therapy, occupational therapy, physician assistant, medicine, etc.).

The following courses are the Pre-Athletic Training Requirements for admission. These courses may be completed at UH Mānoa (highly recommended) in the BS in Health/Exercise Science program or the course equivalent may be considered upon approval by the Program Director. Pre-requisite coursework does not count toward the MS degree, but would count toward the BS in Health/Exercise Science degree (as applicable). For more details about the Pre-Athletic Training requirements, please see: http://www.hawaii.edu/KLS/at-sm/EL-GATEP_Pre-Professional.html.

The following table contains the Pre-Athletic Training requirements:

Pre-Athletic Training Requirements:

The following courses MUST be completed before Admission to the program:		The following courses <i>should</i> be completed before Admission to the Program:	
PHYL 301/L	Human Anatomy & Physiology I	PSY 100	Survey of Psychology
PHYL 302/L	Human Anatomy & Physiology II	KRS 152	Weight Training
KRS 353	Structural Kinesiology	KRS 395	Personal Health & Wellness
KRS 354	Exercise and Sport Physiology	KRS 463	Sport Biomechanics
KRS 432	Emergency Care for Professional Rescuer	KRS 460	Nutrition & Exercise in Sport
-OR-	CPR/ AED for Professional Rescuer current card	KRS 415	Prevention & Care of Athletic Injuries

EL-GATEP Program of Study

Academic Plan

The EL-GATEP is a professional education program accredited by the Commission on Accreditation of Athletic Training Education (CAATE). The program consists of classroom instruction, practicum/laboratory instruction, clinical experience, and research experiences in which the athletic training content areas of prevention and acute care, diagnosis, therapeutic modalities, rehabilitation, administration, professional development, medical conditions, pharmacology, nutrition, psychosocial intervention and referral are developed and inculcated. Graduate students seeking BOC certification must complete a minimum of 50 credits, as well as pre-requisite courses and clinical observation requirements. The specific course requirements are identified in the EL-GATEP Academic Plan and the Clinical Education Plan. Graduation is contingent upon all program requirements being met, and a grade point average of no less than 3.0 (4.0 scale).

The EL-GATEP must be completed upon *regular* admission into the program, in two calendar years (i.e., Summer, Fall, Spring semesters) of full-time study or six semesters of course work with clinical experience under the direct supervision of an Approved Clinical Instructor (ACI) at an affiliated clinical site.

Clinical Education Plan

The Clinical Education Plan consists of the Practicum and the Clinical Experience classes. Competencies and Proficiencies and Clinical Experiences are provided in KRS 609, 610, 611 and 612. Clinical experience assignments require an average of 20 hours/week. Clinical assignments consist of students assigned to Approved Clinical Instructors who provide direct supervision for coverage of sports with upper extremity injuries, lower extremity injuries, equipment intensive, general medical, and rehabilitation settings. Clinical Proficiencies and Foundational Professional Behaviors are formally evaluated by the ACI during the Clinical Experience. Additionally male, female, team, individual and dual sports are also factors in clinical assignments.

REQUIREMENTS FOR THE MASTER OF SCIENCE DEGREE

EL-GATEP students must complete:

- Pre-EL-GATEP Requirements (as needed)
- A minimum of 50 credits of required core courses
- Clinical experience requirements (minimum 1,200 hours total)
- Culminating selective experience activity (KRS 622)
- Clinical research project (KRS 641)
- Final (Comprehensive) Examination

Pre-Athletic Training Option

If needed, may be completed at UHM prior to applying to the EL-GATEP. This option is ideal for Kinesiology or related major undergraduates, non-Kinesiology major graduates, or International students / English as Second Language students.

Fall Semester		Spring Semester	
PHYL 301/L	Human Anatomy & Physiology I (4)	PHYL 302/L	Human Anatomy & Physiology II (4)
KRS 152	Weight Training (1)	KRS 354/L	Exercise and Sport Physiology (5)
KRS 353	Structural Kinesiology (3)	KRS 463	Sport Biomechanics (3)
KRS 395	Personal Health & Wellness (3)	KRS 480	Nutrition & Exercise in Sport (3)
KRS 491	Athletic Training Practicum I* (3)	KRS 492	Athletic Training Practicum II* (3)
PSY 100	Survey of Psychology (3)	Apply to Graduate Division and EL-GATEP	
*Required for Volunteer/Observation in the UH Athletic Training Clinic (requires approval from Head Athletic Trainer and Program Director) or other traditional Athletic Training setting			

University of Hawai'i at Mānoa
College of Education
Department of Kinesiology and Rehabilitation Science

**MASTER OF SCIENCE DEGREE
ENTRY-LEVEL ATHLETIC TRAINING**

Program of Study

Successful and satisfactory completion of coursework is required for graduation from the EL-GATEP:

Course	Title	CR
KRS 415	Prevention & Care of Athletic Injuries	~
KRS 419	Administration in Athletic Training and Health Care	3
KRS 420	Lower Extremity Assessment	3
KRS 421	Upper Extremity Assessment	3
KRS 490	Introduction to the Athletic Training Clinic	3
KRS 609	Athletic Training Clinical Experience I	3
KRS 610	Athletic Training Clinical Experience II	3
KRS 611	Athletic Training Clinical Experience III	3
KRS 612	Athletic Training Clinical Experience IV	3
KRS 615	Head, Neck, & Spine Assessment	3
KRS 617	Therapeutic Modalities	4
KRS 618	Therapeutic Exercise	4
KRS 619	General Medical Conditions	3
KRS 622	AT Capstone Experience	3
KRS 641	Seminar	3
KRS 673	Research Methods	3
EDEP 629	Statistics	3
Total required for Graduation		50

**TOTAL GRADUATE CREDITS REQUIRED FOR
THE MASTER OF SCIENCE DEGREE
IN
ENTRY-LEVEL ATHLETIC TRAINING = 50**

Applications are accepted every other year on an alternate year cohort basis in **odd years only**. Students begin as a cohort group in the Summer Session II and are formally admitted to the Graduate Division in the Fall Semester. Applicants must meet all entry and pre-requisite requirements to be considered for admission.

University of Hawai'i at Mānoa
 College of Education
 Department of Kinesiology and Rehabilitation Science
MASTER OF SCIENCE DEGREE
ENTRY-LEVEL ATHLETIC TRAINING

Program of Study

The following is the **REQUIRED** course sequence:

YEAR I (odd years)			
Summer Session II			
KRS 415	Prevention & Care (~)		
KRS 490	Intro to Athletic Training Clinic (3)		
Required pre-season in-service			
Fall Semester		Spring Semester	
KRS 609	Clinical Experience I (3)	KRS 610	Clinical Experience II (3)
KRS 420	Lower Extremity Assessment (3)	KRS 421	Upper Extremity Assessment (3)
KRS 617	Therapeutic Modalities (4)	KRS 618	Therapeutic Exercise (4)
Pre-requisite/Elective (as needed)		Pre-requisite/Elective (as needed)	

YEAR II (even years)			
Summer Session II			
KRS 419	Administration in AT (3)		
KRS 619	General Medical Conditions (3)		
Fall Semester		Spring Semester	
KRS 611	Clinical Experience III (3)	KRS 612	Clinical Experience IV (3)
KRS 615	Head, Neck & Spine Assessment (3)	KRS 622	AT Capstone Experience (3)
KRS 673	Research Methods (3)	KRS 641	Seminar (3)
EDEP 629	Statistics (3)	Approved Elective (as needed)	

Courses in bold MUST be taken in the semester prescribed and are offered **ONLY** in the semester indicated.

Recommended Electives:*

KRS 489	Program Design in Strength and Conditioning	KRS 664	Physiology of Exercise
KRS 665	Metabolic Analysis	KRS 666	Advanced Fitness Assessment and Exercise Prescription
KRS 667	Body Composition and Weight Management		

*Electives **MUST** be approved by Program Director and may require instructor permission.

For course descriptions go to: <http://www.catalog.hawaii.edu/courses/departments/KLS.htm>