

**University of Hawai'i at Manoa**  
College of Education  
Department of Kinesiology and Leisure Science  
Master of Science Degree  
Entry-Level  
Graduate Athletic Training Education Program  
**CAATE Accredited 05/2005**

**The Athletic Training Profession**

Board of Certification (BOC) Certified Athletic Trainers (ATC) are medical professionals who specialize in the prevention, assessment, treatment and rehabilitation of injuries to athletes and others who are engaged in everyday physical activities. The presence of the BOC certified athletic trainer is standard practice in professional and intercollegiate sports and mandated in every public high school in Hawaii. Many other states require an ATC at practices and competitions. Consequently, sports medicine clinics are being founded to serve the populations not covered by full or part time ATCs, and to provide associated rehabilitation and surgical care. These sports medicine clinics have ATCs on staff in addition to orthopedic surgeons, physician assistants, physical therapists, and other allied health 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, health clubs, sports clubs, recreation centers and company based fitness centers. Please visit the National Athletic Trainers' Association website for additional information about careers in athletic training: <http://www.nata.org/student/index.htm>.

The Department of Kinesiology and Leisure Science (KLS) provides some of the pre-requisite requirements for BOC certification and may prepare the student for the Entry-Level Graduate Athletic Training Education Program, where the student will fulfill all of the requirements for BOC certification. Additionally, athletic training and related coursework may allow students to fulfill the requirements for entry into other allied health programs (e.g. physical therapy, occupational therapy, physician assistant, medicine, etc.). For more information about KLS, please visit: <http://www.hawaii.edu/coe/departments/cls/index.shtml>.

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

***Program Mission***

The EL-GATEP's mission is to prepare graduate students to become BOC certified athletic trainers and scholars in the athletic training profession.

***Admission Requirements***

Applicants must meet the requirements of the Graduate Division. Each applicant admitted will be classified in one of two categories: (1) Regular status - student who has a Baccalaureate degree in the area which they will pursue and a minimum overall grade point average of 3.0 during the final two years of undergraduate work, or (2) Conditional status – student of promise who may have a deficiency in grade point average and/or subject matter preparation. Please see the University of Hawai'i at Manoa KLS website for details: <http://www.hawaii.edu/graduatestudies/fields/html/departments/hijkl/cls/cls.htm>.

Applicants for the MS degree will be further evaluated on their disciplinary background in their area of specialization. Entry-Level Graduate Athletic Training Education Program applicants must complete the EL-GATEP application to admission (in addition to applying to the Graduate Division). Potential students are recommended to complete observation of an Athletic Training Clinic at a local university or high school prior to application to the program. Potential students must read and complete the "Technical standards" prior to consideration for admission. Please visit the UHM EL-GATEP website at <http://www.hawaii.edu/cls/atms/> for details.

***Program Requirements***

The program is an accredited entry-level program by the Commission on Accreditation of Athletic Training Education (CAATE). The program consists of classroom instruction, clinical experience, and research experiences in which the athletic training competencies in prevention, recognition and evaluation, management/treatment, rehabilitation, organization and administration, and education and counseling domains are developed and inculcated.

Graduate students seeking BOC certification must complete a minimum of 61 credits, as well as pre-requisite course (didactic) and clinical experience requirements. The specific course requirements are identified in the academic plans. 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 may be completed upon *regular* admission into the program, in 2 years of full-time study or 6.25 semesters of course work with clinical experience under the direct supervision of an "Approved Clinical Instructor".

**Clinical Education Plan**

The EL-GATEP clinical experiences are obtained in KLS 609, 610, 611 & 612. Clinical rotation assignments require an average of 20 hours/week. Rotations consist of student assigned to Approved Clinical Instructors who provide direct supervision for coverage of sports with upper extremity injuries, lower extremity injuries, equipment intensive and general medical information. Additionally male, female, team, individual and dual sports are also factors in clinical rotation assignments. Clinical Proficiencies are assessed in clinical practicum classes KLS 393, 394, 493, and 494.

**EL-GATEP PRE-PROFESSIONAL PROGRAM REQUIREMENTS (PRE-REQUISITES)**

The following courses are pre-requisite requirements for admission to the EL-GATEP. These courses *should* be completed at UHM (highly recommended) or the course equivalent may be considered upon approval by the Program Director. Pre-Professional Program requirements (pre-requisites) do not count toward the MS degree, but do count toward the BS in Health/Exercise Science and Lifestyle Management (as applicable).

|   |   |  |                                    |
|---|---|--|------------------------------------|
| <b>Program Pre-Professional Requirements:</b>                                   |   |  |                                    |
| <b>The following courses MUST be completed before Admission to the program:</b> |   | <b>The following courses <i>should</i> be completed before Admission to the Program:</b> |                                    |
| PHYL 301/L  | Human Anatomy & Physiology I                              | KLS 152  | Weight Training                    |
| PHYL 302/L  | Human Anatomy & Physiology II                             | KLS 395  | Personal Health & Wellness         |
| KLS 353   | Structural Kinesiology                                    | KLS 463  | Sport Biomechanics                 |
| KLS 354   | Exercise and Sport Physiology                             | KLS 460  | Nutrition & Exercise in Sport      |
| KLS 415   | Injury Prevention & Care†                                 | PSY 100  | Survey of Psychology               |
| KLS 432   | Emergency Care for Prof. Rescuer                          | KLS 419  | Athletic Training Administration*† |
| -OR-  | First Aid/ CPR/ AED for Professional Rescuer current card | KLS 420  | Lower Extremity Assessment*†       |
|   |   | KLS 421  | Upper Extremity Assessment*†       |

†*MUST* be taken at UH as these courses contain competencies and proficiencies required for CAATE accreditation.

\*May be taken in Year I of the EL-GATEP.

**REQUIREMENTS FOR THE MASTERS OF SCIENCE DEGREE**

EL-GATEP students must complete:

- Pre-requisite courses (as needed)
- A minimum of 61 credits of required core courses
- Clinical experience requirements
- Culminating activity (KLS 699)
- Final (Comprehensive) Examination (KLS 494)

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**MASTERS OF SCIENCE DEGREE**

The following core courses are required for graduation from the EL-GATEP:

|          |   |   |
|----------|---|---|
| PHRM 203 | Pharmacology                              | 3 |
| KLS 415  | Prevention & Care of Athletic Injuries*   | ~ |
| KLS 419  | Athletic Training Administration*         | ~ |
| KLS 420  | Lower Extremity Assessment*               | ~ |
| KLS 421  | Upper Extremity Assessment*               | ~ |
| KLS 393  | Athletic Training Practicum I             | 3 |
| KLS 394  | Athletic Training Practicum II            | 3 |
| KLS 493  | Athletic Training Practicum III           | 3 |
| KLS 494  | Athletic Training Practicum IV            | 3 |
| KLS 609  | Athletic Training Clinical Experience I   | 3 |
| KLS 610  | Athletic Training Clinical Experience II  | 3 |
| KLS 611  | Athletic Training Clinical Experience III | 3 |
| KLS 612  | Athletic Training Clinical Experience IV  | 3 |
| KLS 615  | Head, Neck, & Spine Assessment            | 4 |
| KLS 616  | Advanced Orthopedic Assessment            | 4 |
| KLS 617  | Therapeutic Modalities                    | 4 |
| KLS 618  | Therapeutic Exercise                      | 4 |
| KLS 619  | General Medical Conditions                | 3 |
| KLS 641  | Seminar in Athletic Training              | 3 |
| KLS 673  | Research Methods                          | 3 |
| KLS 699  | Directed Reading I                        | 3 |
| KLS 699  | Directed Reading II                       | 3 |
| EDEA 629 | Statistics                                | 3 |

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**Total credits required for graduation** **61**

\*counts as Pre-Professional Program requirements (pre-requisites, does not count toward MS degree, but does count toward the BS in Health/Exercise Science and Lifestyle Management)

**TOTAL GRADUATE CREDITS REQUIRED FOR**  
**THE MASTERS OF SCIENCE DEGREE**  
**IN**  
**ENTRY-LEVEL**  
**GRADUATE ATHLETIC TRAINING EDUCATION PROGRAM = 61**

Students are only admitted in the **Fall Semester** and upon completion of the Pre-Professional Program requirements. Deadline for application is **April 1**.

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**MASTERS OF SCIENCE DEGREE**

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

| <b>YEAR I</b>                         |                                       |                                    |                                       |
|---------------------------------------|---------------------------------------|------------------------------------|---------------------------------------|
| <b>Summer Session II</b>              |                                       |                                    |                                       |
| <b>Required Pre-Season In-Service</b> |                                       |                                    |                                       |
| KLS 415                               | Injury Prevention & Care (~)          |                                    |                                       |
| KLS 419                               | Athletic Training Administration (~)  |                                    |                                       |
| <b>Fall Semester</b>                  |                                       | <b>Spring Semester</b>             |                                       |
| <b>KLS 393</b>                        | <b>AT Practicum I (3)</b>             | <b>KLS 394</b>                     | <b>AT Practicum II (3)</b>            |
| <b>KLS 609</b>                        | <b>Clinical Experience I (3)</b>      | <b>KLS 610</b>                     | <b>Clinical Experience II (3)</b>     |
| <b>KLS 420</b>                        | <b>Lower Extremity Assessment (~)</b> | <b>KLS 421</b>                     | <b>Upper Extremity Assessment (~)</b> |
| <b>KLS 617</b>                        | <b>Therapeutic Modalities (4)</b>     | <b>KLS 618</b>                     | <b>Therapeutic Exercise (4)</b>       |
| Pre-requisite/Elective (as needed)    |                                       | Pre-requisite/Elective (as needed) |                                       |

| <b>YEAR II</b>                        |                                       |                        |                                   |
|---------------------------------------|---------------------------------------|------------------------|-----------------------------------|
| <b>Summer Session II</b>              |                                       |                        |                                   |
| <b>Required Pre-Season In-Service</b> |                                       |                        |                                   |
| <b>KLS 619</b>                        | <b>General Medical Conditions (3)</b> |                        |                                   |
| PHRM 203                              | General Pharmacology (3)              |                        |                                   |
| <b>Fall Semester</b>                  |                                       | <b>Spring Semester</b> |                                   |
| <b>KLS 493</b>                        | <b>AT Practicum III (3)</b>           | <b>KLS 494</b>         | <b>AT Practicum IV (3)</b>        |
| <b>KLS 611</b>                        | <b>Clinical Experience III (3)</b>    | <b>KLS 612</b>         | <b>Clinical Experience IV (3)</b> |
| KLS 615                               | Head, Neck, & Spine Assessment (3)    | KLS 616                | Adv. Orthopedic Assessment (3)    |
| KLS 673                               | Research Methods (3)                  | KLS 641                | Graduate Seminar (3)              |
| EDEA 629                              | Statistics (3)                        | KLS 699                | Directed Reading II (3)           |
| KLS 699                               | Directed Reading I (3)                | Elective (as needed)   |                                   |

**Courses in bold** MUST be taken in the semester prescribed and are offered **ONLY** in the semester indicated.  
 ~ counts as Pre-Professional Program requirements (pre-requisites, does not count toward MS degree, but does count toward the BS in Health/Exercise Science and Lifestyle Management)

**OPTIONAL CLINICAL RESIDENCY YEAR** (for BOC certified or certification-eligible students only)

| <b>YEAR III</b>                       |                           |                        |                           |
|---------------------------------------|---------------------------|------------------------|---------------------------|
| <b>Summer Session II</b>              |                           |                        |                           |
| <b>Required Pre-Season In-Service</b> |                           |                        |                           |
| <b>Fall Semester</b>                  |                           | <b>Spring Semester</b> |                           |
| KLS 613                               | Clinical Experience V (3) | KLS 613                | Clinical Experience V (3) |
| KLS 699                               | Directed Reading I† (3)   | KLS 699                | Directed Reading II† (3)  |
| KLS 673                               | Research Methods† (3)     | EDEA 629               | Statistics† (3)           |
|                                       |                           | KLS 641                | Graduate Seminar† (3)     |

† Take from Year II plan.

**Recommended Electives:**

|          |  |
|----------|--|
| ANAT 604 | Upper Extremity, Head, Neck, & Spine (6) |
| ANAT 603 | Lower Extremity, Thorax, Abdomen (6)     |
| KLS 601  | Physiology of Exercise (4)               |

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