Master of Science - Kinesiology

Plan Description

The Master of Science – Kinesiology is designed for students interested in the study of human performance. Students are provided with the theoretical foundations of the movement-based sciences and select an emphasis in biomechanics, exercise physiology, motor learning/control, or sports medicine. Through involvement in directed research projects, students obtain an in-depth understanding of laboratory equipment research and applications in the biomedical sciences. Graduates are prepared to make applications of the movement sciences in research, clinical or athletic settings and for entrance into doctoral programs in kinesiology.

For more information about your program including your graduate program handbook and learning outcomes please visit the [Degree Directory](#).

Plan Admission Requirements

[Application deadlines](#)

Applications available on the [UNLV Graduate College website](#).

Students are admitted in the fall, spring, and summer semesters. Applicants for admission must have an undergraduate major in kinesiology, exercise science, physical education, athletic training, biology, nutrition, or a related academic discipline. Students who do not have an undergraduate major listed above must take the following UNLV remediation courses (or equivalent at another university): KIN 245 (Anatomical Kinesiology), KIN 312 (Motor Control and Learning) KIN 346 (Biomechanics), KIN 391 (Exercise Physiology).

Applicants must have a minimum overall undergraduate grade point average of 2.75 (A=4.0), or 3.00 (A=4.0) in the last two years.

The Graduate Record Examination (GRE) is optional but may be used by the student toward admission (as evidence of quantitative abilities, and/or evidence of verbal abilities).

Interested applicants must send the following information to the Graduate College:

1. A completed application for graduate studies.
2. Official transcripts of all colleges and universities attended.

Interested applicants must upload the following information into the Grad Rebel Gateway system:

1. Copies of all transcripts sent to the Graduate College.
2. A resume or curriculum vitae that highlights: clinical, field, research, and/or teaching experience, all specific to kinesiology.
3. Evidence of quantitative abilities: This may include, but are not limited to the quantitative portion of the GRE, a project that required the systematic handling of data, grade in an upper-level statistics course, or an assignment in which data was collected and analyzed.
4. Evidence of verbal abilities: This may include, but are not limited to the verbal portion of the GRE, a review of literature, a culminating experience document, or an end-of-semester

assignment.

5. A letter of intent that addresses: Preferred faculty mentor(s) (aligned with the students' research direction). Further explanation of clinical, field, research, or teaching experience noted in the resume, if desired. Motivation for attending UNLV. Summary of educational goals. Summary of intended research activities and interests.

6. Two letters of recommendation from persons familiar with the applicant's academic record and potential for graduate study.

All domestic and international applicants must review and follow the Graduate College Admission and Registration Requirements.

Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and sub-plans within the described programs are subject to change at any time.

Plan Requirements

See Subplan Requirements below.

Subplan 1: Thesis

Subplan 2: Non-Thesis

Subplan 1 Requirements: Thesis

Total Credits Required: 33

Course Requirements

Biomechanics Course – Credits: 3

Complete one of the following courses:

KIN 656 Biomechanics of Endurance Performance	3
KIN 736 Biomechanical Applications in Kinesiology	3
KIN 737 Biomechanics of Strength	3
KIN 743 Research Techniques in Biomechanics	3

Motor Learning/Motor Control Course – Credits: 3

Complete one of the following courses:

KIN 760 Motor Skill Learning and Performance	3
KIN 761 Human Motor Control	3
KIN 762 Motor Learning Applications	3

| KIN 765 Neurophysiology of Movement | 3 |

Exercise Physiology Course – Credits: 3

Complete one of the following courses:

| KIN 657 Physiology of Endurance Performance | 3 |
| KIN 740 Advanced Exercise Physiology | 3 |

Research Courses – Credits: 6

Complete 6 credits by completing all of the following courses:

| KIN 750 Research Methods in Kinesiology and Nutrition Sciences Research | 3 |
| KIN 751 Selected Application of Statistical Techniques I | 3 |

Specialization Courses – Credits: 9

Complete 9 credits of advisor-approved coursework. Research opportunities and course work are available in biomechanics, exercise physiology, motor learning/motor control, and sports medicine.

Elective Courses – Credits: 3

Complete 3 credits of advisor-approved elective coursework.

Thesis – Credits: 6

| KIN 749 Thesis | 3 – 6 |

Degree Requirements

1. Completion of a minimum of 33 credits with a minimum GPA of 3.00.
2. In consultation with their advisor, a student will organize a thesis committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College as well as apply for graduation up to two semesters prior to completing their degree requirements.
2. The student must submit and successfully defend their thesis by the posted deadline. The defense must be advertised and is open to the public.
3. After the thesis defense, the student must electronically submit a properly formatted pdf copy of their thesis to the Graduate College for format check. Once the thesis format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for thesis defenses, format check submissions, and the final ProQuest submission can be found [here](#).

Subplan 2 Requirements: Non-Thesis

Total Credits Required: 33

Course Requirements

Biomechanics Course – Credits: 3

Complete one of the following courses:

KIN 656 Biomechanics of Endurance Performance	3
KIN 736 Biomechanical Applications in Kinesiology	3
KIN 737 Biomechanics of Strength	3
KIN 743 Research Techniques in Biomechanics	3

Motor Learning/Motor Control Course – Credits: 3

Complete one of the following courses:

KIN 760 Motor Skill Learning and Performance	3
KIN 761 Human Motor Control	3
KIN 762 Motor Learning Applications	3
KIN 765 Neurophysiology of Movement	3

Exercise Physiology Course – Credits: 3

Complete one of the following courses:

KIN 657 Physiology of Endurance Performance	3
KIN 740 Advanced Exercise Physiology	3

Research Courses – Credits: 6

Complete 6 credits by completing all of the following courses:

KIN 750 Research Methods in Kinesiology and Nutrition Sciences Research	3
KIN 751 Selected Application of Statistical Techniques I	3

Specialization Courses – Credits: 9

Complete 9 credits of advisor-approved coursework. Research opportunities and course work are available in biomechanics, exercise physiology, motor learning/motor control, and sports medicine.

Elective Courses – Credits: 6

Complete 6 credits of advisor-approved elective coursework.

Professional Paper – Credits: 3

KIN 748 Professional Paper	1 – 6

Degree Requirements

1. Completion of a minimum of 33 credits with a minimum GPA of 3.00.
2. In consultation with their advisor, a student will organize a committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.

Graduation Requirements

1. The student must submit all required forms to the Graduate College as well as apply for graduation up to two semesters prior to completing their degree requirements.
2. The student must successfully complete a professional paper.

Plan Graduation Requirements

Refer to your subplan for Graduation Requirements.

Subplan 1: Thesis

Subplan 2: Non-Thesis