Cross Campus Transfer Requirements

Students can only transfer in 12 HF (36 credits) required courses from outside universities. This does not include approved study abroad courses. Prior program petitions will be considered on a case by case basis.

**Sophomore – Cumulative GPA of 3.0 and completion of the following:**
- MATH 105
- MOVESCI 110
- MOVESCI/HF 241
- HF/AT 220, HF/AT 221 (Winter only)
- AT 115 (Winter only)

**Junior – Cumulative GPA of 3.0 and completion of the following:**
- MATH 105
- MOVESCI 110
- MOVESCI/HF 241
- HF/AT 220, HF/AT 221 (Winter only)
- AT 115 (Winter only)
- HF 313 Analytics (Fall only)
- HF 332 (Winter only)
- HF 242 (Winter only)

**Seniors** need to petition HF faculty to begin program. Petitions will be considered on a case by case basis.

Movement Science Major

The Movement Science (MOVESCI) major strives to fully develop the intellectual abilities of each student during their learning experiences in the School of Kinesiology. The program emphasizes the study of human movement from biological and behavioral perspectives across the lifespan. The Movement Science Department achieves their mission by offering a diversified program that includes introductory and advanced course work, research, and laboratory experiences. Success is evaluated by the academic and professional placement of graduates.

Overview

The Movement Science major comprises coursework that emphasizes the causes and consequences of human movement from biomechanical, motor control, and development and physiological perspectives. The requirements include courses both in and outside of Kinesiology. The Movement Science curriculum emphasizes competencies in four areas:

1. Three areas of Movement Science: Biomechanics, Motor Control, and Exercise Physiology
2. Research
3. Scientific communication, including written and graphic skills
4. Computer literacy
Students will gain these competencies by mastering concepts in courses, by exposure to research in laboratory sections of courses, and in independent study and research courses.

**Content Emphases of Major Areas in Movement Science**

1. **Biomechanics**
   - Describe movement from kinematics and kinetics perspectives.
   - Apply biomechanical concepts and principles to analysis of motor skills among diverse and special populations.
   - Understand underlying physical mechanisms involved in the control and coordination of movements.
   - Understand basic mechanical properties of muscle, tendon, ligament and bone.
   - Relate the mechanical loads placed on the human body to the mechanical properties of tissues.
   - Identify basic biomechanical mechanisms used by humans to reduce metabolic cost and fatigue during movement.

2. **Exercise Physiology**
   - Understand regulation of different biological functions including cardiovascular, neural, renal, pulmonary, musculoskeletal and endocrine systems during rest and movement.
   - Understand mechanisms causing biological adaptations to chronic exercise at the molecular, cellular, systemic and whole-body level.
   - Understand relationships between physical activity, energy, nutrition, chronic disease and health.
   - Understand and appreciate racial, ethnic, age-associated, and gender differences in exercise performance and in biological adaptations to movement.
   - Assess flexibility, strength, and endurance factors that influence movement and physical performance.

3. **Motor Control and Development**
   - Describe movement from a kinematic and associated muscle activation pattern perspective.
   - Apply motor development and motor control concepts and principles to analysis of motor skills among diverse and special populations.
   - Identify and differentiate among the diverse theories of motor skill acquisition.
   - Identify factors affecting motor behavior, including physical growth, physiological, perceptual and cognitive changes and sociocultural practices.
   - Understand interaction between perception and action throughout the lifespan.
   - Understand basic principles underlying neural and neuromuscular communication.
   - Understand the relationship between central nervous system structure and function as it applies to human motor control.
   - Understand the normal course of physical growth and maturation throughout the lifespan.

**Requirements**

The Movement Science curriculum requires courses in of the following five categories:
Required Non-Kinesiology Prerequisite Courses (38 credits)

- **BIOLOGY 171** – Introductory Biology: Ecology and Evolution (4 cr.)
- **BIOLOGY 172** – Introductory Biology: Cellular, Molecular, and Developmental. **Advisory Prerequisite:** Prior or concurrent enrollment in Chem 130. (4 cr.)
- **BIOLOGY 174** – Introduction to Cell and Molecular Biology. **Biology 174 is equivalent to Biology 172, but Biology 174 involves a different learning format (reading prior to class, minimal lectures, group work and problem solving).** Students should elect either Biology 172 or Biology 174 NOT both. **Advisory Prerequisite:** Prior or concurrent enrollment in Chem 130. (4 cr.)
- **BIOLOGY 173** – Introductory Biology Laboratory. **Enforced Prerequisite: Biology 163 or 171 or 172 or 174 or 195. Advisory Prerequisite:** Students should have completed one of the introductory lecture courses (either Biology 171 or (172 or 174)) and be concurrently enrolled in the other course. **AP Credit (BIOLOGY 195) will not fulfill this lab requirement.** (2 cr.)
- **CHEM 130** – General Chemistry: Macroscopic Investigations and Reaction Principles. **For students who do not take CHEM 130, successful completion of CHEM 210 will fulfill this requirement.** (3 cr.)
- **FYWR or ENGLISH 125** – Writing and Academic Inquiry (4 cr.) (with a C or better)
- **MATH 115** – Calculus I (4 cr.) **AP credit for MATH 120 or MATH 120/121 will fulfill this requirement.**
- **ANATOMY 403** – Human Anatomy: Structure and Function (5 cr.)
- **PHYSICS 125** – Transfer credit for algebra-based Physics I (mechanical) or **PHYSICS 135** – Physics for the Life Sciences I (4 cr.) or **PHYSICS 140** – General Physics I (4 cr.)
- **PHYSIOL 201** – Introduction to Human Physiology. **Prior completion of Biology 172 or Biology 174 strongly recommended.** (4 cr.)
- **PSYCH 111** – Introduction to Psychology (4 cr.) or **PSYCH 112** – Introduction to Psychology as a Natural Science. (4 cr.) **Students should elect either PSYCH 111 or PSYCH 112, NOT both.**

Required Core Kinesiology Prerequisite Courses (9 credit hours)

- **MOVESCI 110** – Biological and Behavioral Bases of Human Movement (3 cr.)
- **PHYSED 218/HF 218** – Emergency Response (3 cr.)
- **MOVESCI 219** – Scientific Writing (3 cr.)

University Distribution Courses (36 credit hours)

Students must complete the Distribution Requirement of a minimum of 12 credits in Humanities, 12 credits in Natural Science, and 12 credits in Social Science.

To see which required courses count toward distribution, students should refer to the MOVESCI Record Sheet, found on the Policies and Procedures page of the Kinesiology website (http://www.kines.umich.edu/student-life/policies-procedures). For general distribution information, go to the Appendix.

Core Movement Science Courses (19 credit hours)

- **MOVESCI 230** – Human Musculoskeletal Anatomy. **Must be concurrently enrolled in MOVESCI 231.** (3 cr.)
- MOVESCI 231 – Human Musculoskeletal Anatomy Lab. *Must be concurrently enrolled in MOVESCI 230. (1 cr.)*
- MOVESCI 250 – Statistics and Research Methods in Movement Science (3 cr.)
- MOVESCI 320 – Motor Control. *Prerequisites: MOVESCI 110, ANATOMY 403 or MOVESCI 230 or AT/PHYSED 310 or AT/HF 220, MOVESCI 250, PHYSIOL 201 or MOVESCI 361. (4 cr.)*
- MOVESCI 330 – Biomechanics of Human Movement. *Prerequisites: MOVESCI 110, MATH 115, PHYSICS 125 transfer credit or PHYSICS 135 or PHYSICS 140, ANATOMY 403 or MOVESCI 230, or AT/PHYSED 310 or AT/HF 220. (4 cr.)*
- MOVESCI 340 – Exercise Physiology. *Prerequisites: MOVESCI 110, ANATOMY 403 or MOVESCI 230 or AT/PHYSED 310 or AT/HF 220, MOVESCI 250, PHYSIOL 201; CHEM 130 recommended. (4 cr.)*

**Elective Courses (20 Credit Hours)**

Students must complete a minimum of 20 credit hours of elective courses including upper-division Movement Science courses (minimum of 9 credit hours) and cognate elective courses (minimum of 11 credit hours). Additional details are described below.

**Movement Science Lecture-Based Courses**

A minimum of nine credit hours of upper-division Movement Science lecture-based courses from the following choices:

- MOVESCI 413 – Special Topics in Movement Science. Used for new experimental courses in Movement Science.
- MOVESCI 421 – Disorders of Voluntary Movement. *Prerequisites: MOVESCI 320. (3 cr.)*
- MOVESCI 422 – Motor Learning. *Prerequisites: MOVESCI 320. (3 cr.)*
- MOVESCI 423 – Sensory-motor Development. *Prerequisites: MOVESCI 320. (3 cr.)*
- MOVESCI 424 – Aging and Motor Performance. *Prerequisites: MOVESCI 320. (3 cr.)*
- HF/MOVESCI 425 – Physical Activity and Pediatric Disabilities (3 cr.)
- MOVESCI 426 – Cognitive Neuroscience of Action. *Prerequisites: MOVESCI 320. (3 cr.)*
- MOVESCI 427 – Mind and Brain of Expertise. *Prerequisites: MOVESCI 320. (3 cr.)*
- MOVESCI 435 – Biomechanics of Human Locomotion. *Prerequisites: MOVESCI 330. (3 cr.)*
- MOVESCI 437 – Motion Capture and Animation for Biomechanics. *Prerequisites: MOVESCI 330. (3 cr.)*
- MOVESCI 438 – Introduction to Musculoskeletal Imaging. *Prerequisites: MOVESCI 230; Advisory Prerequisite: MOVESCI 330. (3 cr.)*
- MOVESCI 441 – Environmental Exercise Biology. *Prerequisites: MOVESCI 340. (3 cr.)*
- MOVESCI 442 – Exercise Endocrinology. *Prerequisites: MOVESCI 340. (3 cr.)*
- MOVESCI 443 – Exercise and Successful Aging. *Prerequisites: MOVESCI 340. (3 cr.)*
- MOVESCI 444 – Exercise and Nutrition. *Prerequisites: MOVESCI 340. (3 cr.)*
- MOVESCI 446 – The Role of Social Factors in Shaping Physical Activity Behavior. *Prerequisites: (MOVESCI 219 or SM 217) and (MOVESCI 340 or PHYSED/HF 242). (3 cr.)*
- MOVESCI 448 – Cardiovascular Exercise Physiology. *Prerequisites: MOVESCI 250 and MOVESCI 340 (C+ grade min). (3 cr.)*
- MOVESCI 450 – Seminar in Adapted Physical Activity. (3 cr.)
- MOVESCI 465 – Neuroanesthesia and Advanced Topics in IONM. **Prerequisites:** MOVESCI 320 and 464. (3 cr.)
- MOVESCI 471 – Physical Activity Epidemiology. **Prerequisites:** MOVESCI 340. (3 cr.)
- MOVESCI 474 – Worksite Wellness. **Prerequisites:** MOVESCI 340. (3 cr.)
- MOVESCI 475/AT 420 – Pharmacology for the Allied Health Professions. **Prerequisites:** PHYSED/AT 310 or AT/HF 220 or PHYSIOL 201; CHEM 130. (3 cr.)

**Movement Science Independent Study Courses**

These courses are completely optional. However, three credit hours earned from independent study, internships, readings, or research in Movement Science can be substituted for one of the required lecture-based courses, listed above. A maximum of 20 credit hours can be selected from the following courses:

- MOVESCI 280/UC 280 – Kinesiology or Undergraduate Research Opportunity (1-4 cr.)
- MOVESCI 380 – Problems in Movement Science (1-3 cr.)
- MOVESCI 381 – Community Service Learning (1-3 cr.)
- MOVESCI 382 – Honors Reading (1-3 cr.)
- MOVESCI 384 – Honors Research (1-3 cr.)
- MOVESCI 390 – Field Experience in Movement Science (1-8 cr.)
- MOVESCI 402 – Teaching Experience in Movement Science (1-3 cr.)
- MOVESCI 403 – Internship (.5-4 cr.)
- MOVESCI 429 – Laboratory Rotation in Motor Control and Development (1-3 cr.)
- MOVESCI 439 – Laboratory Rotation in Biomechanics (1-3 cr.)
- MOVESCI 449 – Laboratory Rotation in Exercise Physiology (1-3 cr.)
- MOVESCI 464 – Clinical Rotation in IONM I. **Prerequisites:** MOVESCI 363 (B- grade min). (3 cr.)
- MOVESCI 466 – Clinical Rotation in IONM II. **Prerequisite:** MOVESCI 464 (S grade required) (3 cr.)
- MOVESCI 467 – Clinical Rotation in IONM III. **Enforced Prerequisites:** MOVESCI 465 and 466 (S grade required) (3 cr.)
- MOVESCI 488 – Independent Study (1-3 cr.)
- MOVESCI 489 – Senior Thesis (2-5 cr.)
- MOVESCI 490 – Senior Honors Thesis A (1-5 cr.)
- MOVESCI 491 – Senior Honors Thesis B (1-3 cr.)

**Cognate Elective Courses**

A minimum of eleven credit hours of cognate elective courses, outside of Movement Science, are required. At least six of these eleven credit hours must be taken outside of the School of Kinesiology.

The Movement Science department maintains a list of currently approved MOVESCI Cognate Elective Courses, which can be found on the Policies and Procedures page of the Kinesiology website [http://www.kines.umich.edu/student-life/policies-procedures](http://www.kines.umich.edu/student-life/policies-procedures). If a course does not appear on the list, students need to get approval by completing a Petition Form (available online on the Policies and Procedures page of the Kinesiology website [http://www.kines.umich.edu/student-life/policies-procedures](http://www.kines.umich.edu/student-life/policies-procedures), or in the Kinesiology Office of...
Undergraduate Student Affairs). Students are encouraged to choose cognate courses that may fulfill graduate or professional school requirements.

PLEASE NOTE: This list is subject to change. Refer to the Kinesiology web site for the most up-to-date MOVESCI Cognate Elective Courses at http://www.kines.umich.edu/student-life/policies-procedures.

+ Additional Note for Movement Science majors previously pursuing Health and Fitness or Athletic Training:
HF/AT 220 and HF/AT 221 will transfer as general elective credits only. Students will not need to take MOVESCI 231 (Human Musculoskeletal Anatomy Lab); however, students will still need to complete MOVESCI 230, PHYSIOL 201 and ANAT 403.

Study Abroad
Credit from Kinesiology-sponsored and non-Kinesiology-sponsored study abroad programs can be used as general credit toward graduation and to fulfill Distribution requirements. With prior approval by the designated Movement Science faculty member, students can use study abroad credit to fulfill certain Movement Science requirements, including prerequisites, core courses, cognates, independent study, and lecture-based courses. See general policies and procedures for study abroad below.

IntraOperative NeuroMonitoring (IONM)
IntraOperative NeuroMonitoring (IONM) is a growing field that involves the monitoring and mapping of the central and peripheral nervous systems of patients undergoing surgical procedures such as orthopedic spinal correction (scoliosis treatment), cranial neurosurgery, and interventional radiologic procedures. IONM helps improve patient outcome by carefully assessing the functional status of nervous tissue, including spinal column tracts, eloquent brain regions, and peripheral nerves. This neurophysiologic information helps the surgeon perform a safer and sometimes more thorough procedure.

The School of Kinesiology has partnered with the University of Michigan Health System to develop an IONM program within the Movement Science curriculum. The program consists of three lecture-based courses, a lab-based course and three clinical rotations. This curriculum prepares the student through class-work and hands-on experience for the Certification Exam in Neurophysiologic Intraoperative Monitoring.

Policies
1. Effective Winter Term 2015, students will need to enroll in Introduction to Surgical Neuromonitoring (MOVESCI 361) and complete an application process for acceptance to the IONM program. Introduction to Surgical Neuromonitoring in addition to other selection criteria will be a prerequisite for acceptance into the IONM program. This application process is currently under development but will at a minimum include factors such as: GPA, performance in MOVESCI 361, as well as letters of recommendation and an interview process.

Note: No application process existed/exists for students who began/begin the IONM program before Winter Term 2015.
2. The IONM program is open only to Movement Science majors. Non-Movement Science students may apply if they also apply for and are accepted into the Movement Science major in the School of Kinesiology.

3. All IONM courses must be taken in sequential order with the exception of MOVESCI 465 and 466, which are taken concurrently.

4. The following IONM courses can fulfill upper-division Movement Science elective requirements:

   - MOVESCI 464 – Clinical Rotation in IONM I can fulfill three non-lecture-based (independent study) elective credits
   - MOVESCI 465 – Neuroanesthesia and Advanced Topics in IONM can fulfill three lecture-based elective credits

   Beyond MOVESCI 464 and 465, IONM students will still need to minimally complete an additional lecture-based MOVESCI course to complete the nine credits of upper-division MOVESCI credits (an additional non-lecture based/independent MOVESCI course will not meet this minimum requirement).

5. MOVESCI 464 is mandatory and can only be elected in the Spring/Summer term and must be taken between students’ first and second years in the IONM program. Students are encouraged to investigate housing options and financial aid considerations as early as possible.

6. The IONM subplan will be added to the student’s transcript once the student completes MOVESCI 361, MOVESCI 362, MOVESCI 363, MOVESCI 464, MOVESCI 645, MOVESCI 466, and MOVESCI 467.

IONM Course Requirements

- MOVESCI 361 – Introduction to Surgical Neuromonitoring. Advisory Prerequisite: Physics 125 (transfer credit) or 135 or 140 (3 cr.)
- MOVESCI 362 – Surgical Neuromonitoring Lab (2 cr.)
- MOVESCI 363 – Intraoperative Neurophysiological Monitoring. Prerequisite: MOVESCI 361 and Movesci 362 (B- grade min) (4 cr.)
- MOVESCI 464 – Clinical Rotation in IONM I. Prerequisite: MOVESCI 363 (B- grade min) (3 cr.)
- MOVESCI 465 – Neuroanesthesia and Advanced Topics in IONM. Prerequisite: MOVESCI 320 and 464 (3 cr.)
- MOVESCI 466 – Clinical Rotation in IONM II. Prerequisite: MOVESCI 464 (S grade required) (3 cr.)
- MOVESCI 467 – Clinical Rotation in IONM III. Enforced Prerequisites: MOVESCI 465 and 466 (S grade required) (3 cr.)

For more information, please visit the IONM page on Kinesiology website (http://www.kines.umich.edu/ionm).

The Movement Science Honors Program

The Movement Science honors program in Kinesiology offers qualified students advanced coursework and independent research opportunities in exercise physiology, biomechanics, and motor control and
development. Students with strong intellectual interests and the commitment to pursue those interests in a rigorous and challenging environment are eligible for the Movement Science honors program.

Honors students are expected to pursue a rigorous and diversified course of study. Students must complete the regular Movement Science curriculum as well as advanced coursework, independent study, and a thesis during the senior year. Students must maintain a 3.5 GPA throughout the program. Each April, a subcommittee of the Movement Science faculty will review each student’s academic record and recommend continuation or termination.

For more information, please contact Dr. Susan Brown (shcb@umich.edu), or complete the MOVESCI Honors Program Application, found on the Policies and Procedures page of the Kinesiology website (http://www.kines.umich.edu/student-life/policies-procedures).

**Movement Science Minor for Dance Majors**

Kinesiology offers a minor in Movement Science to Dance majors in the School of Music. The Movement Science minor is a course of study focused on the fundamental aspects of human performance. Upon completion of the minor, students will have a broad understanding of the biological and behavioral aspects of human movement.

A minor in Movement Science requires completion of two core courses, a musculoskeletal anatomy lab, and nine elective credits. All credits are taken in-residence. Students who declare and complete an approved academic minor will receive a notation on their student transcript, but not on their diploma.

**Policies**

1. Each student who wishes to complete an approved academic minor must develop an approved plan for the academic minor in consultation with a Movement Science faculty member.
2. After developing a plan for the academic minor, the student works with the Kinesiology Office of Undergraduate Student Affairs to have the academic minor entered on the student’s record.
3. An individually designed academic minor is not allowed.
4. Courses in the academic minor must be elected for a grade.
5. Students may not use more than one course to meet the requirements of both a concentration plan and an academic minor.
6. Courses elected to meet the requirements of an academic minor may be part of the student’s area distribution plan.
7. A student must earn an overall GPA of at least 2.0 in the academic minor.
8. No course may be used to satisfy the requirements of more than one academic minor.

**Minor Requirements**

1. **Required Courses.** The following courses are required:
   - **MOVESCI 110** – Biological and Behavioral Bases of Human Movement (3 cr.)
   - **AT/PHYSED 310 or AT/HF 220** – Applied Human Anatomy and Physiology (3-4 cr.)
   - **MOVESCI 231 or AT/HF 221 or AT/PHYSED 310** (when lab was included) – a Musculoskeletal Anatomy Lab course
2. **Elective courses.** A minimum of 9 credit hours are required. At least two of the courses must be Movement Science courses. Any Movement Science course at the 300 or 400 level can be elected except independent study courses. Courses from the following list can also be elected:

- **AT 115** – Prevention and Care of Athletic Injuries (3 cr.)
- **MOVESCI 230** – Human Musculoskeletal Anatomy (3 cr.)
- **MOVESCI/HF 240** – Introduction to Fitness and Health (3 cr.)
- **MOVESCI/HF 241** – Exercise, Nutrition and Weight Control (3 cr.)
- **AT 326/PHYSED 326** – Fundamentals of Strength and Conditioning. *Advisory Prerequisite: Anatomy and Physiology course* (3 cr.)
- **PHYSED 332** – Principles of Motor Behavior. *Prerequisite: AT/PHYSED 310 or AT/HF 220* (3 cr.)

**Criteria For Cross Campus Transfer Admission for the Movement Science Major**

The School of Kinesiology accepts applications for Fall and Winter terms only. Students can apply for their sophomore year or junior year only. Admission is selective and pending space available. Please note that transferring into Kinesiology may require additional time to complete your degree. This depends on the progress you have made toward the MOVESCI degree and additional courses you elect to take outside of the MOVESCI curriculum.

**Deadlines:**
- October 1 for Winter Semester
- February 1 for Fall Semester

**Sophomore Level Admission Requirements**

*Cumulative GPA of 3.0 and completion of FOUR of the following prerequisite courses:*

- **BIOLOGY 171**: Intro Biology: Ecology and Evolution
- **BIOLOGY 172**: Intro Biology: Molecular, Cellular, and Developmental
- **BIOLOGY 173**: Intro Biology Laboratory
- **CHEM 130**: General Chemistry or higher level Chemistry
- **MATH 115**: Calculus I or higher
- **MOVESCI 110**: Biological and Behavioral Bases of Human Movement
- **PHYSICS 135**: Physics for the Life Sciences I or **PHYSICS 140**: General Physics I
- **STATS 250**: Intro to Statistics and Data Analysis. *STATS 250 will fulfill the MOVESCI 250 requirement if it is taken prior to admission. After admission, students need to take MOVESCI 250.*

**Junior Level Admission Requirements**

*Cumulative GPA of 3.0 and completion of ALL of the following prerequisite courses:*

- **MATH 115**: Calculus I or higher
- **MOVESCI 110**: Biological and Behavioral Bases of Human Movement
- **MOVESCI 230, 231**: Human Musculoskeletal Anatomy or **ANAT 403**: Human Anatomy
- **PHYSICS 135**: Physics for the Life Sciences I or **PHYSICS 140**: General Physics I
- **PHYSIOL 201**: Human Physiology
- **STATS 250**: Intro to Statistics and Data Analysis. *STATS 250 will fulfill the MOVESCI 250 requirement if it is taken prior to admission. After admission, students need to take MOVESCI 250.*

AND
Completion of TWO of the following pre-requisite courses:

- BIOLOGY 171*: Intro Biology: Ecology and Evolution
- BIOLOGY 172*: Intro Biology: Molecular, Cellular, and Developmental
- BIOLOGY 173*: Intro Biology Laboratory
- CHEM 130*: General Chemistry or higher level Chemistry

*or equivalent Advanced Placement (AP) credit

Sport Management Major

Overview

Sport Management (SM) leads to a Kinesiology Bachelor of Arts degree and provides students with outstanding preparation for entry-level professional positions in business and sport industries. During the first and second years (Level One), students must complete a series of required courses and take distribution courses. Overall, Level One students are expected to complete at least 55 credit hours during these two years.

Advancement to Level Two of the program (years three and four) is competitive. Highest consideration will be given to those students who have successfully completed all required courses. Courses taken during years three and four provide students with a strong knowledge base in sport-industry-related management, marketing, finance, economics, law, strategy and organizational behavior. In addition, students will have the opportunity to take advanced courses that focus on specialized issues related to the business of sport. Students are encouraged to apply the knowledge they gained in the classroom through field experiences or internships.

Requirements

Level One (years one and two)

During the first two years, students must take the courses listed below. Students are expected to complete a minimum of 55 credit hours over this two-year period. 

*Election of these courses does not guarantee or presume advancement to Level Two of the Sport Management program.*

Level One Required Courses Outside Kinesiology

- PSYCH 111 (SS) or PSYCH 112 (NS) - Introduction to Psychology (4 cr.)
- FYWR or ENGLISH 125 - Writing and Academic Inquiry—must earn a C or better (4 cr.)
- STATS 250 (NS) or SOC 210 (NS) - Introduction to Statistics and Data Analysis (4 cr.)
- ECON 101 (SS) - Principles of Economics I (Micro) (4 cr.) - should be completed by Fall of sophomore year for full Level Two admission consideration. ECON departmental credit received from AP exams will not fulfill this requirement.
- [*ECON 102 (SS) - Principles of Economics II (Macro) (4 cr.)] – *Course is recommended for all students, but is not required except in the following case: for full Level Two admission consideration, Econ 102

[^1]: [Site 1]
[^2]: [Site 2]
[^3]: [Site 3]