

**KINESIOLOGY PROGRAM OF STUDY
NEUROMECHANICS (NM) CONCENTRATION
(124 hours)**

- Community college transfer hours may not exceed 62 hours toward this curriculum.
- Please review, print, and bring your CAPP compliance to each advisement meeting (see MSU MyState)
- It is each student's responsibility to determine and obtain coursework required for any post-graduate studies and communicate those requirements with his/her advisor.
- Any questions regarding curriculum or advisement can be answered by logging onto <http://mycourses.msstate.edu> and searching the Kinesiology Advisement Hub (or <http://canvas.msstate.edu> after Spring 2019)
- General Education Requirements and MSU Course Catalog found by typing in a search within the MSU homepage at <https://www.msstate.edu>

*Note: Courses in **bold** are those for which you must complete previous prerequisite courses before enrolling.

GENERAL EDUCATION COURSES (38 hrs)	Hrs.
ENGLISH (6 hours)	
EN 1103 English Comp 1 (prereq.: ACT English score 17 or above or EN 0103) OR EN 1163 Accelerated Comp 1 (prereq.: ACT English score 29 or above)	3
EN 1113 English Comp 2 (prereq.: English Comp I or Accelerated Comp I) OR EN 1173 Accelerated Comp II (prereq.: Accelerated Comp 1 or ACT English score 28 or higher)	3
FINE ARTS (3 hours)	
PE 1323 History & Appreciation of Dance Or other Gen. Ed. Fine Arts (see Gen. Ed. Requirements: Fine Arts)	3
MATH (6 hours)	
MA 1313 College Algebra (prereq.: ACT Math subscore 19 or prereq. grade of C or better in MA 0103)	3
ST 2113 Introduction to Statistics (prereq.: ACT Math subscore 24 or a grade of C or better in MA 1313)	3
SCIENCES (11 hours): suggested completion before Spring, Sophomore year)	
BIO 1134 Biology 1 OR other Gen. Ed. 4-hr BIO Natural Sci. (see Gen. Ed. Requirements: Natural Science)	4
CH 1213 Chemistry 1 & CH 1211 Investig. in Chem. 1 OR other Gen. Ed. 4-hr CH Natural Sci. (see Gen. Ed. Requirements: Natural Sci.)	4
Natural Science: suggest BIO 1004 (prereq.: any course in bio. sciences) OR other Gen. Ed. Natural Sci. (see General Ed. Requirements: Natural Sci.)	3-4
HUMANITIES (6 hrs)	
Choose 1 Gen. Ed. Humanities (see Gen. Ed. Requirements: Humanities)	3
Choose 1 Gen. Ed. Humanities (see Gen. Ed. Requirements: Humanities)	3
SOCIAL SCIENCES (6 hrs)	
PSY 1013 Psychology OR other Gen. Ed. Social/Behavioral Sci. (see Gen. Ed. Requirements: Social/Beh. Sci.)	3
SO 1003 Intro. to Sociology OR other Gen. Ed. Social/Beh. Sci. (see Gen. Ed. Requirements: Social/Beh. Sci.)	3

KINESIOLOGY EXERCISE SCIENCE CORE (27 hours)	Hrs.
EP 3304 Exercise Physiology: suggestion completion by end of Sophomore year (prereq.: BIO 1004 Anat. & Phys. OR BIO 3014 Human Phys. & CH 1213 or CH 1043 *BIO 3014 typically offered Spr. only (prereqs. for BIO 3014: BIO 1134 & CH 1213 or BIO 2004 & CH 1043)	4
EP 3643 Applied Anatomy and Pathophysiology (prereq.: BIO 1004 Anat. & Phys. {typically offered Spring only} or BIO 3004 Human Anat. {typically Fall only})	3
EP 4113 Fitness Programs and Testing Procedures (prereq.: EP 3304)	3
EP 4183 Exercise and Weight Control (prereq.: EP 3304)	3
EP 4504 Mechanical Analysis of Movement (prereq.: EP3233 Anatomical Kinesiology)	4
EP 4603 Physical Activity Epidemiology (prereq.: EP 3304)	3
EP 4814 Exercise Science Internship (prereq.: senior status, completion of at least 12 hrs. within NM CONCENTRATION COURSES, Intern. Coordin. approval, see Kines. Advising Hub for important forms).	4
KI 2023 Foundations of Health Education	3

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KINESIOLOGY CORE COURSES (12 hours)	Hrs.
EP 2013 Fundamentals of Kinesiology (suggested completion by end of Freshman year)	3
EP 3233 Anatomical Kinesiology (suggested completion by end of Sophomore year)	3
PE 1000 Play, Fitness and Physical Activity (a 3 hr. course) OR choose 3, 1-hour P.E. activity courses (see MSU Course Catalog for descriptions. PE 1191 is not an option)	3
Choose 1 Kinesiology Core Course Selection below (see MSU Course Catalog for descriptions/options) SS 4003 Philosophy of Sport & Physical Activity SS 4303 Globalization & Sport PE 3163 Sport Psychology EP 3183 Exercise Psychology	3

NEUROMECHANICS CONCENTRATION COURSES (15 hrs)	Hrs.
PE 3223 Motor Development & Movement (prereq: BIO 1004)	3
PE 4283 Sport Biomechanics (prereq: BIO 1004 or BIO 3004)	3
PE 4853 Motor Learning & Skill Analysis (prereq.: BIO 1004, then PE 3223 Motor Dev.)	3
EP 4143 Aging and Disability (prereq. EP 3304, then EP 4123 Aging & PA)	3
EP 4703 Neural Control & Human Movement (prereq: BIO 1004 or BIO 3014, then EP 3643 Appl. Anat. Path)	3

KINESIOLOGY APPROVED ELECTIVES (15 hrs.)	Hrs.
Coursework must pertain to professional focus area, & consent of advisor is required prior to enrollment. Combination of courses taken must total 15 credit hours.	15

ADDITIONAL REQUIREMENTS (17 hrs.)	Hrs.
BIO 3004 Human Anat. (typically offered Fall only)	4
BIO 3014 Human Phys. (typically Spr. only) (prereqs.: BIO 1134 & CH 1213 or BIO 2004 & CH 1043 or equiv.)	4
KI 2603 Medical Terminology	3
Choose 1 of the communications-based course below: (see Course Catalog descriptions prior to selection) CO 1003 Fundamentals of Public Speaking CO 1013 Introduction to Communications CO 2253 Interpersonal Communication	3
Choose 1 of the writing-based courses below: (see Course Catalog descriptions prior to selection) EDF 3413 Writing for Thinking (prereq.: Eng. Comp. 1 & 2 or equivalent with C or better & junior standing) MGT 3213 Organizational Communication (prereq.: EN 1113 & junior standing) BIO 3013 Professional Writing for Biologists (prereq.: consent of instructor due to non-Bio. concentration)	3

In accordance with Fall 2018 catalog term

KINESIOLOGY MAIN OFFICE: 662-325-2963

MSU DPT. OF KINESIOLOGY WEBSITE: <http://www.kinesiology.msstate.edu>