

# James Madison University Advising Guide

BRCC Associate of Arts and Sciences Degree, College/University Transfer and JMU Advising Guide for a major in Kinesiology/Exercise Science concentration.

## First Year

### First Semester

Course #	Course Description	Credits
ENG 111	College Composition I	3
HIS _____	History Elective (101, 102, 111, 112, 121 or 122)	3
MTH 161	Precalculus I or Approved Elective (see notes)	3
CHM 111	College Chemistry I	4
SDV _____	Student Development (100 or 101)	1

### Second Semester

Course #	Course Description	Credits
ENG 112	College Composition II	3
HIS _____	History Elective (see above)	3
MTH 261	Applied Calculus (see notes)	3
CHM 112	College Chemistry II	4
ITE/CSC _____	120, 152 or CSC 110	3

## Second Year

### Third Semester

Course #	Course Description	Credits
_____	Literature Elective	3
BIO 141	Anatomy and Physiology I (see notes for prerequisite information)	4
_____	Approved Elective	4
_____	Social Science Elective	3

### Fourth Semester

Course #	Course Description	Credits
_____	Literature/Humanities/Fine Arts Elective	3
_____	Social Science Elective	3
MTH 155 or 245	Statistical Reasoning or Statistics I	3
BIO 142	Anatomy and Physiology II	4
CST 100 or 110	Public Speaking or Intro to Speech Communication	3

Total Credits Required for Associate in Arts and Sciences Degree/JMU \_\_\_\_\_ requirements - 60

## Advising Notes for Kinesiology/Exercise Science Concentration

- Students interested in the exercise science concentration must apply for a limited number of seats. To apply for admission, students must complete the following prerequisite courses:
  - BIO 270, Human Physiology  
BIO 290, Human Anatomy  
CHEM 131, 131L, General Chemistry I with lab  
KIN 202, Biological Foundations of Kinesiology  
KIN 100, Lifetime Fitness and Wellness
  - Grades in the prerequisite courses are weighed heavily in the admission decision and admission is offered to the top students on a space available basis. Courses taken on a repeat/forgive basis will not be accepted. **Only those grades received in prerequisite courses taken for the first time, whether at community college or JMU, will be counted.**
- **Prerequisite for enrolling in BIO 141:** Demonstration of NAS 2 concepts of Chemical Concepts, Cytology, and Inheritance through NAS 2 completion; or Bio 101 completion with a C or better; or BIO 106 completion with a C or better; or assessment; or Anatomy Placement Test Completion with passing score via Canvas course (enrollment through <https://learn.vccs.edu/enroll/HFDNXJ>); or equivalent. Passing NAS-assessment in BRCC testing center satisfies the NAS-2 requirement.
- BIO 141 and 142 must be taken at the same school to earn credit at JMU.
- PHY 201 is also required; students may elect to take it as one of the approved electives. PHY 202 is not required for the major, but can be helpful, especially if also completing a pre-professional health program. Pre-physical therapy and pre-medicine require both semesters. Pre-occupational therapy and pre-physical assistant do not.
- Calculus and statistics are both required for the KIN/ES concentration. Students who place directly into MTH 261 can take that and MTH 155 or 245; in this case students can choose an approved elective in place of MTH 161.