

2021 B.S. in KINESIOLOGY: NEUROMECHANICAL SCIENCE EMPHASIS PROGRAM REQUIREMENTS
(Rev 01-26-2021)

1st semester	Credit	2nd semester	Credit
ENGL101 English Composition (FW)	3	ENGL102 English Composition (FW)	3
UF100 Foundations of Intellectual Life (UF)	3	Foundations of Communication (FC)	3
Foundation of Social Science (FS)	3	Foundations of Arts (FA)	3
MATH143 College Algebra (FM)	3	Foundations of Humanities (FH)	3-4
PSYC101 Survey of Psychological Science (FS)	3	MATH144 Precalc II Trig. Functions	2

3rd semester	Credit	4th semester	Credit
BIOL227 Human A&P (FN)	4	BIOL228 Human A&P (FN)	4
MATH170 Calculus I	4	MATH175 Calculus II	4
KINES201 Culture/History/Philosophy of Physical Activity	3	CHEM111/111L General Chemistry	4
UF200 Foundations of Ethics and Diversity	3	ME112 Intro to Biomedical Engr. (spring only)	1
KINES200 Intro to Kinesiology	2	KINES293 Internship	2

5th semester	Credit	6th semester	Credit
PHYS211/211L Physics I with Calculus	5	PHYS212/212L Physics II with Calculus	5
MSE101 Intro to Mater. Science & Engineering	3	KINES330/331 Exercise Physiology	4
ENGR210 Engineering Mechanics I	3	ENGR220 Engineering Mechanics II	3
KINES301, PSYC295 or MATH254 Statistics	3	KINES370/371 Biomechanics	4
BRONCOFIT	1		

7th semester	Credit	8th semester	Credit
KINES425 Lab Tech. in Biomechanics (FF) (fall only)	3	ME356 Intro to Solid Biomechanics (spring only)	3
KINES375/376 Human Growth and Motor Learning	4	KINES430 Physical Activity and Special Populations	3
MSE/BIOL477 Biomaterials (fall only)	3	KINES416 Neuromechanics	3
KINES432/433 Conditioning Procedures OR KINES436/437 Exercise Testing and Prescription	4	KINES426 Neuromechanics Research	3
		Upper division elective	3-6

NOTES:

- 1) University requirements = minimum 120 credits, 40 of which must be upper division credits
- 2) Will need to add BIOL191 to obtain the Minor in Biomedical Engineering