Faculty of Kinesiology
BSc Biomechanics Major

This is a guide to help you navigate your program but does not supersede the Academic Calendar. It is the responsibility of the student to ensure graduation requirements are met per the Academic Calendar

Planners

Biomechanics Calendar Req's

UNITS **CORE REQUIREMENTS (54 UNITS)**

3 _____	KNES 201	Activity: Essence and Experience
3 _____	KNES 203	Activity: Health, Fitness, and Performance
3 _____	KNES 213	Introduction to Research in Kinesiology
3 _____	KNES 237	Introduction to Nutrition
3 _____	KNES 244	Sociology of Movement Cultures
3 _____	KNES 251	Introduction to Motor Control and Learning
3 _____	KNES 253	Introduction to Exercise and Sport Psychology
3 _____	KNES 259	Human Anatomy and Physiology I
3 _____	KNES 260	Human Anatomy and Physiology II
3 _____	KNES 263	Quantitative Biomechanics
3 _____	KNES 323	Integrative Human Physiology
3 _____	KNES 344	Gender, Sexuality, and Sport

3 _____ **One of**: _____ KNES 351 Foundations of Neural Control of Movement or
_____ KNES 397 Health and Exercise Psychology, or _____ KNES 399 Psychology of Sport

3 _____	KNES 355	Human Growth and Development
3 _____	KNES 363	Biomechanics of Biological Materials
3 _____	KNES 372	Foundations of Sport Medicine
3 _____	KNES 373	Exercise Physiology

3 _____ **One of**: _____ STAT 205 Intro to Statistical Inquiry or _____ STAT 213 Intro to Statistics I

BIOMECHANICS MAJOR REQUIREMENTS (36 UNITS)

3 _____	MATH 211	Linear Methods I
3 _____	MATH 275	Calculus for Engineers and Scientists
3 _____	MATH 277	Multivariable Calculus for Engineers and Scientists
3 _____	ENGG 212	Fundamentals of Fluid Behaviour (previously ENGG 201)
3 _____	ENGG 202	Engineering Statics
3 _____	ENGG 311	Engineering Thermodynamics
3 _____	ENME 317	Mechanics of Deformable Solids I
3 _____	ENGG 349	Dynamics
3 _____	KNES 396	Research Seminar (previously KNES 393 + 395)
3 _____	KNES 463	Advanced Techniques in Biomechanics

6 _____ **One of**: _____ KNES 566A&B Biomechanics Research Project or _____ KNES 590A&B Honours Project (previously KNES 490A&B, Students must be admitted to the Honours program to enroll in KNES 590).

SENIOR KINESIOLOGY OPTIONS (12 UNITS)

3 _____ 3 _____ 3 _____ 3 _____

OPEN OPTIONS – Kinesiology or non-Kinesiology, Junior or Senior (18 UNITS)

3 _____ 3 _____ 3 _____ 3 _____ 3 _____ 3 _____

IMPORTANT DEGREE CHECKS

- ☐ A minimum of 60 units (20 courses) at the senior level are required; this means a max of 60 units (20 courses) at the 200 level are permitted.
- ☐ A maximum of 60 transfer units may be applied to the degree; of those, a max of 27 units may be core courses.
- ☐ A total of 120 units are required to complete the Kinesiology degree.