Faculty of Kinesiology

BSc Biomechanics Major

UCID#:

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 <u>Academic Calendar</u>

UNITS	CORE REQUIREMENTS (54 UNITS) Prerequisites follow the title in blue italics					
3		KNES 201	Activity: Essence and	Experience (Bio 30)		
3		KNES 203	Activity: Health, Fitne	ess, and Performanc	ce (Bio 30 & Chem 30)	
3		KNES 213 Introduction to Research in Kinesiology (Bio 30, Chem 30 & Math 30-1)				
3		KNES 244	Sociology of Movem		•	
3		KNES 251	Introduction to Moto		ning (Bio 30)	
3		KNES 253	Introduction to Exerc			
3	KNES 259			Psychology Human Anatomy and Physiology I (Bio 30, Chem 30 & Math 30-1)		
3		KNES 260	Human Anatomy and			
3			Quantitative Biomechanics (Bio 30, Chem 30 & Math 30-1)			
3			Integrative Human Physiology (KNES 260)			
3			Introduction to Nutrition (formerly 237) (KNES 259)			
3		KNES 344	Gender, Sexuality, ar		(111125 255)	
3	One of:	KNFS	351 Foundations of Neural	Control of Moveme	ent (KNFS 251 & 260)	
J	KNES 397 Health and Exercise Psychology (KNES 253), or					
	KNES 399 Psychology of Sport (KNES 253)					
			out to the control of	.20 200)		
2		NNEC SEE	Lluman Croudh and David	lanmont (KNEC 200	9. Due ou Co vervisite VAIEC 222)	
3		KNES 355			& Pre or Co-requisite KNES 323)	
ء 		KNES 363 Biomechanics of Biological Materials (KNES 263 & STAT 205 or 213) KNES 372 Foundations of Sport Medicine (KNES 260)				
3 3 3		KNES 372 KNES 373	•			
	_	, 3,,				
3	One of:	STAT 2	205 Intro to Statistical Inqui	ry or STAT 2:	13 Intro to Statistics I	
BIOMEC	HANICS MAJOR	REQUIREMENT	rs (36 UNITS)			
		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)			
		ENGG 202	Engineering Statics			
3						
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) (KNES 213& 263)			
3		KNES 463	Advanced Techniques in Biomechanics (KNES 363)			
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6	One of:	KNES 56	SEAR Riomachanics Rospar	ch Project or	KNES 590A&B Honours Project	
·	•		itted to the Honours program	-		
	(Student	is illust be autil	itted to the <u>Hollodis prograf</u>	ii to emon in kives s	550).	
CENHOD I	(NESIGN 00V 00T	TIONIC (40 LINUT	c)			
SENIOR R	KINESIOLOGY OPT	IIONS (12 UNII	5)			
2	2	2	2			
			33			
OPEN OP	IIONS – Kinesioi	ogy or non-Kine	esiology, Junior or Senior (18	SUNITS)		
2	2	2	2	2	3	
J	ɔ	3	3	<u> </u>	5	
IM	IPORTANT DEGR	REE CHECKS				
I	A minimum o	of 60 units (20 o	courses) at the senior level a	re required; this me	ans a max of 60 units (20 courses) at the	

☐ A maximum of 60 transfer units may be applied to the degree; of those, a max of 27 units may be core courses.

200 level are permitted.

 \square A total of 120 units are required to complete the Kinesiology degree.