

Course of Study for Biomechanics Physics

YEAR ONE			
Fall Semester	Hours	Spring Semester	Hours
MTH 140 Calculus	3	HS 200 Medical Terminology for the AT (CT)	3
Eng 101 English Composition	3	PSY 201 General Psychology (<i>Sociology</i>)	3
HS 201 Intro to Applied Anatomy and Physiology	3	BSC 227 Human Anatomy	4
HS 220 Personal Health I	3	ENG 201 English Composition II	3
First Year Seminar	3	CMM (elective)	3
Total	15	Total	16

YEAR TWO			
Fall Semester	Hours	Spring Semester	Hours
PHY 201 General Physics I	3	PHY 203 General Physics II	3
PHY 202 General Physics I Lab	1	PHY 204 General Physics II Lab	1
ESS 345 Physiology of Exercise	3	BSC 228 Human Physiology	4
HS 222 First Aid	3	HS 365 Functional Biomechanics (Kinesiology)	3
ESS/HS 369 Motor Learning	3	SFT 235 Intro to Safety	3
		HS 215 Intro to Athletic Training	3
Total	13	Total	17

YEAR THREE			
Fall Semester	Hours	Spring Semester	Hours
ESS 401 Ethics or other 300-400 ethics	3	HS 464 Pathomechanics	3
ESS 375 Evaluating Fitness	3	SFT 373 Principles in Ergonomics and Hmn Factors	3
HS 465 Biomechanical Analysis of Movement	3	SFT 373 L	1
PSY 311 Child Development	3	PHY 350 Biomedical Physics	4
MTH 225 Introductory Statistics	3	PHY 304 Optics	3
FCS 210 Nutrition	3	PHY 405 Optics Laboratory	2
Total	15	Total	16

YEAR FOUR			
Fall Semester	Hours	Spring Semester	Hours
HS 475 Trends in Biomechanical Analysis (capstone)	3	PSY 312 Adult Development	3
ESS 442 Strength and Conditioning	3	HS 490 Internship	3
Eng. Lit. (Humanities elective)	3	PHY 314 Electronics	3
Fine Art	3	PHY 415 Electronics Laboratory	2
Elective	3	ESS 410 Principles, Org., & Admin.	3
Total	12	Total	14

TOTAL HOURS—120			
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