


















BIOMECHANICS, B.S.

 - General Education Course

 - Milestone course: a key success marker for your major. See your advisor to discuss the importance of this course in your plan of study.

Major

The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend disciplines. The Core applies to all majors. Information on specific classes in the Core can be found at <https://www.marshall.edu/gened/>.

Code	Title	Credit Hours
Core Curriculum		
<i>Core 1: Critical Thinking</i>		
FYS 100	First Yr Sem Critical Thinking	3
HS 200 	Comp Medical Terminology (CT)	3
PSY 201 	Introductory Psychology (CT)	3
<i>Core 2</i>		
ENG 101 	Beginning Composition	3
ENG 201 	Advanced Composition	3
CMM 103 	Fund Speech-Communication	3
MTH 132 	Precalculus with Sci Applica	5
BSC 228 	Human Physiology	4
Core II Humanities (WI) 3		
PSY 201 	Introductory Psychology (CT)	3
Core II Fine Arts 3		
MUS 142 	Music in Society (recommended)	
<i>Additional University Requirements</i>		
Writing Intensive (WI Sec of Core II Hum)		3
Writing Intensive		3
Multicultural or International		
MUS 142 	Music in Society (recommended)	
HS 475	Trends in Biomechanics (Capstone I)	3
HS 495	Trends in Biomechanics II (Capstone II)	3
Major-Specific		
BSC 227 	Human Anatomy	4
BSC 228 	Human Physiology	4
DTS 210	Nutrition	3
ESS 220 	Fitness and Wellness	3
ESS 345 	Exercise Physiology	3
ESS 375 	Fitness Assess & Exerc Prescr	3
STHM 401	Ethics in Sport	3
STHM 410	Leadership: Theory & Practice	3
ESS 442	Princ of Strength & Cond	3
ESS 443	Prin of Strength Cond Lab	1
HS 200 	Comp Medical Terminology (CT)	3
HS 215 	Intro to Athletic Training	3
HS 220	Personal Health	3
HS 221	Personal Health II	3

HS 365	Functional Kinesiology	3
HS 369	Motor Learning	3
HS 435	Biomech Instrument Mat Lab	3
HS 464	Pathomechanics	3
HS 465	Biomechanical Analy of Mvmt	3
HS 475	Trends in Biomechanics (C)	3
HS 495	Trends in Biomechanics II (C)	3
STA 225 	Introductory Statistics (CT)	3
SFT 235 	Intro to Occup Safety (CT)	3
SFT 373	Prin Ergonomics & Hum Factors	3
SFT 373L	Prin of Ergonomics Lab	1
PHY 201 	College Physics I	3
PHY 202 	General Physics I Laboratory	1
PHY 203 	College Physics II	3
PHY 204 	General Physics 2 Laboratory	1
PSY 311 	Child Development	3
PSY 312	Adult Development	3
Free Elective (or Area of Emphasis)		3
Free Elective (or Area of Emphasis)		3
Free Elective		3

Major Information

- Students are required to know and track their degree requirements for graduation or for entrance to a professional school.
- Course offerings and course attributes are subject to change semesters. Please consult each semester's schedule of courses for availability and attributes.
- **Math Requirement:** The biomechanics math requirement is for MTH 132 Precalculus with Sci Applica only (a pre-requisite for Physics 1). Students need an ACT Math score of 24+ to be eligible for MTH 132 Precalculus with Sci Applica. For students with a lower ACT Math score, we allow them to take two courses as an alternative: Algebra (MTH 130 College Algebra with ACT 21+ or MTH 127 College Algebra-Expanded with ACT 17+) and then Trigonometry (MTH 122 Plane Trigonometry) over two semesters.