

KINESIOLOGY - 2007-2008 Curriculum Checksheet

NOTE: If this degree is to be completed in the hours minimum required for the degree, students must use college/school, and/or major requirements to simultaneously fulfill University General Studies Requirements. Not intended for student use.

Name (Last, First, M.I.)	ASU I.D. No.	Degree BS	Emphasis Kinesiology or Human Physiology
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UNIVERSITY REQUIREMENTS		AGEC or TGECC Certification ρ Yes ρ No				
Course Number and Title	ASU Sem. Hrs.	Trans. Hrs.	Grade	Upp er Div		
I. First Year Composition (6 hrs)						
ASU 101 The ASU Experience – Incoming freshmen only	1					
ENG 101 FIRST-YEAR COMP						
ENG 102 FIRST-YEAR COMP						
Sub Total (I) 6						
II. University General Studies (35 hrs)						
Awareness Areas (6 hrs. minimum and must fulfill all 3) Double counting is allowed between Awareness Areas and any other course that fulfills graduation requirements and also within the Awareness Areas. ρ Global Awareness (G) ρ Historical Awareness (H) ρ Cultural Diversity (C)						
Core Areas						
Humanities/Fine Arts & Social/Behavioral Sciences (15 hours) 15 hrs. combined 6 hrs in one area, 9 hrs in the other AND 1 course must be upper division						
HU:						
HU:						
SB:/HU						
SB: PGS 101 Intro to Psychology						
HU or SB: KIN 352						C
Natural Sciences (8 hrs.)						
SQ:CHM 101 Intro to Chemistry	4					
SG:BIO 201 Anatomy & Physiology 1	4					
Literacy and Critical Inquiry (6 hours)						
L:						
L:KIN						
Mathematics & Statistics/Quantitative/Computer Applications (6 hours)						
MA:MAT 210 or higher	3					
CS:						
Sub Total (II) 35						
III. COLLEGE &/OR SCHOOL REQUIREMENTS						
Course Number and Title	GS Cre dit ¹	ASU Sem. Hrs.	Trans. Hrs.	Grade	Upp er Div	
Science & Society	3					3
Science & Society	3					3

Sub Total (III)					
IV. MAJOR REQUIREMENTS					
A. Major					
Course Number and Title	GS Credit ¹	ASU Sem. Hrs.	Trans. Hrs.	Grade	Upp er Div
KIN 200 Intro to Kinesiology		2			
KIN 335 Biomechanics		3			3
KIN 340 Physiology of Exercise		3			3
KIN 345 Motor & Developmental Lear		3			3
KIN 352 Psych-Social Aspects of PA		3			3
Part A:					
		3			3
		3			3
		3			3
Part B:					
		3			3
		3			3
		3			3
		3			3
Sub Total (IVA.)					
B. Department Elective Credit (DEC)²					
BIO 202 Anatomy & Physiology 2	4				
PHY 111 General Physics	3				
Sub Total (IVB.)					
Total (IV)					
V. FREE ELECTIVES³					
Sub Total (V)					

¹List course's general studies designation(s) when applicable
²Required technical electives or related area courses
³Unrestricted courses used to complete 120 hours required for graduation

I. & II. University Requirements	III. College &/or School Requirements	IV. Major Requirements	V. Free Electives	Total
41				

KINESIOLOGY EMPHASIS

For the student interested in strength and conditioning, sports medicine, sport skill acquisition, exercise physiology, biomechanical techniques in exercise and sport, sport psychology.

Kinesiology – 24 credits: Part A and Part B must be completed. Fifteen credits must be upper division level.

Part A: 9 credits

Choose from:

KIN 100 Introduction to Health and Wellness
KIN 110 Research Analysis Laboratory Course (Maximum 3 credits)
KIN 191 Freshman Seminars
KIN 283 Prevention and Care of Athletic Injuries
KIN 294 Introduction to Research Methods or equivalent (3 cr.)
KIN 334 Functional Anatomy and Kinesiology
KIN 348 Psychological Skills for Optimal Performance
KIN 370 Advanced First Aid

Part B: 15 credits

KIN 412 Biomechanics of the Skeletal System
KIN 413 Qualitative Analysis in Sport Biomechanics
KIN 441 Physiology of Women in Sport
KIN 442 Fuel Metabolism
KIN 444 Metabolic Adaptations to Exercise Training
KIN 445 Exercise Physiology for Children and Adolescents
KIN 448 Applied Sport Psychology
KIN 450 Biopsychosocial Perspectives of Physical Activity & Health
KIN 460 Theory of Strength Training
KIN 484 Internship (1-6 cr.)
KIN 485 Advanced Techniques of Athletic Training
KIN 492 Honors Directed Study (1-6 cr.)
KIN 493 Honors Thesis (1-6 cr.)
KIN 494 ST: Advanced Exercise Physiology
KIN 494 ST: Environmental Exercise Physiology
KIN 494 ST: ECG-Interpretation of Exercise Electrocardiogram
KIN 494 ST: Interpretation of Exercise Performance
KIN 498 Pro Seminar: Kinesiology and the Future (1 credit max taken in senior year)
KIN 499 Individualized Instruction (1-6 cr.)

Other KIN courses with advisor approval

HUMAN PHYSIOLOGY EMPHASIS

For the student interested in pre-health professions and those interested in biomechanical, physiological, motor control, and/or psychological mechanisms underlying human movement performance. Students interested in pursuing post-baccalaureate training in one of several possible professions in the health care industry (e.g., physical therapy, recreational therapy, occupational therapy, physician's assistant, medicine, dentistry, podiatry, chiropractic, etc.) will have additional course work in the sciences to complete (see department for list).

Human Physiology – 24 credits: Part A and Part B must be completed. Fifteen credits must be upper division level.

Part A: 9 credits

Choose from:

KIN 100 Introduction to Health and Wellness
KIN 110 Research Analysis Laboratory Course (Maximum 3 credits)
KIN 191 Freshman Seminars
KIN 294 Introduction to Research Methods or equivalent (3 cr.)
KIN 334 Functional Anatomy and Kinesiology
KIN 370 Advanced First Aid
BCH 361 Principles of Biochemistry
BIO 340 General Genetics
BIO 353 Cell Biology
BIO 360 Animal Physiology
CHM 231 & 235 Elementary Organic Chemistry or CHM 233 & 237 General Organic Chemistry I & CHM 234 & 238 General Organic Chemistry II
MBB 245 Cellular and Molecular Biology

Students may also take other upper division courses from: BCH, BIO, BME, CHM, HPS, MBB, PGS, PHY or PSY

Part B: 15 credits

KIN 412 Biomechanics of the Skeletal System
KIN 414 Electromyographic Kinesiology
KIN 421 Human Motor Control
KIN 422 Motor Control in Special Populations
KIN 423 Motor Control and Aging
KIN 440 Exercise Biochemistry
KIN 442 Fuel Metabolism
KIN 443 Exercise Endocrinology
KIN 445 Exercise Physiology for Children and Adolescents
KIN 450 Biopsychosocial Perspectives of Physical Activity & Health
KIN 452 Exercise Psychology
KIN 484 Internship (1-6 cr.)
KIN 492 Honors Directed Thesis (1-6 cr.)
KIN 493 Honors Thesis (1-6 cr.)
KIN 494 ST: Advanced Exercise Physiology
KIN 494 ST: ECG-Interpretation of Exercise Electrocardiogram
KIN 494 ST: Muscle Physiology
KIN 494 ST: Neurophysiological Bases of Movement
KIN 494 ST: Research Methods

KIN 498 Pro Seminar: Kinesiology and the Future (1 credit max taken in senior year)

KIN 499 Individualized Instruction (1-6 cr.)

Other KIN courses with advisor approval