

WASHBURN UNIVERSITY – COLLEGE OF ARTS & SCIENCES

NAME: _____ **WIN:** _____

ADVISOR: _____

BACHELOR OF SCIENCE IN KINESIOLOGY IN EXERCISE AND REHABILITATION SCIENCE

Major Requirements: (36 credits: C minimum)

KN 248 Wellness Concepts and Application (3)
KN 266 Microcomputer Applications to Kinesiology (2) (Prereq: KN or PE Major)
KN 291 Field Experience I in Ex & Rx Science (1) (Prereq: KN248 & AL 101; OR KN250 & NU 102)
KN 300 Psychology of Sport and Physical Activity (3) (Prereq: KN 248 and KN 250, or Junior Standing and consent) OR KN 318 Exercise Psychology (3) (Prereq: KN 248 and KN 250, or Junior Standing and consent)
KN 308 Nutrition for Sports and Fitness (3) (Prereq: KN 248 and KN 250, or Junior Standing and consent)
KN 321 Anatomical Kinesiology (3) (Prereq: BI 250 or BI 275)
KN 326 Physiology of Exercise (3) (Prereq: BI 255)
KN 327 Physiology of Exercise Lab (1) (must be taken concurrent with KN 326)
KN 330 Administration of Exercise and Rehabilitation Science (3)(Prereq: KN 291 and Junior Standing)
KN 342 Physical Education Activity Techniques II (2) (Prereq: KN 248, KN 250)
KN 357 Sports Performance Training & Conditioning (3) (Prereq: BI 255 and KN 342)
KN 403 Biomechanics (3) (Prereq: PS131/PS132 OR PS 261, and KN321)
KN 410 Fitness Testing and Exercise Prescription (3) (Prereq: KN 342 and KN 326)
KN 411 Current Literature in Kinesiology (3) (Prereq: KN 326; PY151 or MA140)

Major Electives: (9 credits: C minimum)

KN 257 Prevention and Care of Athletic Injuries (3)
KN 315 Special Topics in Kinesiology (1-3)
KN 335 Human Factors and Ergonomics (3) (Prereq: Junior Standing)
KN 341 Physical Education Activity Techniques I (2) (Prereq: KN 248, KN 250) OR KN 343 Physical Education Activity Techniques III (2) (Prereq: KN 248, KN 250) OR KN 344 Physical Education Activity Techniques IV (2) (Prereq: KN 248, KN 250) OR KN 345 Physical Education Activity Techniques V (2) (Prereq: KN 248, KN 250)
KN 350 Orthopedic Evaluation (3) (Prereq: KN 321)
KN 367 Therapeutic Exercise (3) (Prereq: KN 321)
KN 491 Field Experience II (3-6) (Prereq: KN 291, KN 357 and KN 410; <i>Current FIRST AID AND CPR certifications must be on file prior to start of field experience</i>)

Correlated Requirements: (29-30 credits: C minimum)

AL 101 Found of Health Care (3) OR KN 250 Intro to Kines (2) and NU 102 Medical Term (1)
BI 100 Introduction to Biology (3) and BI 101 Introduction to Biology Lab (2) OR BI 102 General Cellular Biology (5)
BI 255 Human Physiology (4) (Prereq: BI 100 and BI 101, or BI 102)
BI 275 Human Anatomy with Lab (4) (Prereq: BI 100 and BI 101, or BI 102)
CH 121 General, Organic & Bio Chemistry (5) (Prereq: MA116) OR CH 151 Fundamentals of Chemistry I (5) (Prereq: MA116)
IL 170 Library Research Strategies – Health Professions (1)
PY 151 Psych Statistics (Prereq: PY 100) OR MA 140 Statistics (3) (Prereq: MA 116 or MA 123)
PS 131 Biological Physics for the Health and Life Sciences (3) (Prereq: MA 116 or higher, or concurrent) AND PS 132 Biological Physics for the Health and Life Sciences Lab (1) (Prereq: PS 131 or concurrent); OR PS 261 College Physics I (5) (Prereq: MA116 & MA117; or MA123 or MA151)

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Correlated Electives: (9 credits: C minimum)

AL 257 Applied Neurophysiology (3) (from OTA program) OR AL 265 Applied Neurophysiology (3) (from PTA program)
AL 320 Human Disease (3) (Prereq: BI 255 or BI 275)
CN 306 Health Communication (3)
HL 377 Critical Issues in Health (3)
HS 371 Aging and Mental Health (3) OR HS 378 Theories on Aging (3)
PY 231 Abnormal Psychology (3) (Prereq: PY100)
PY 326 Health Psychology (3) (Prereq: PY100)
EMT certification (e.g. from WU Institute of Technology): (1-6 credits)

Natural Science Concentration: (30 credits: C min): (20 credits BI; 10 credits CH, PS, MA) (7 credits total - due to deletion of credits already counted for all but elective Biology credits)

Required Biology (13)	Elective Biology (7)	Required CH, MA, PS (10)
BI 100/101 (5) or BI 102 (5)	BI _____ (3)	CH 121 (5) or CH 151 (5)
BI 255 (4)	BI _____ (3)	IL 170 (1)
BI 275 (4)	BI _____ (1-3)	PS 131/132 (4) or PS 261 (5)

General Education Distribution Requirements (BS): (27 credits, including duplications)

Humanities (9) (GEHU/GECPA) Choose from: AR, CN, EN, FL, IL170, MM, MU, PH, RG, TH. (Maximum 6 hours in one discipline)	Course Number	Social Sciences (9) (GESS) Choose from: AN, EC, GG, HI, IL170, PO, PY, SO. (Maximum 6 hours in one discipline)	Course Number	Natural Sciences/ Mathematics (9) (GENS) Choose from: AS, BI, CH, CM, GL, MA, PS, IL170. (Max 8 hrs or two Courses/Discipline)	Course Number
AR, MU or TH (3)		Soc. Science (3)		Nat. Science (5)	BI 100/101
Humanities (3)		Soc. Science (3)		Nat. Science (5)	CH 121
Humanities (3)		Soc. Science (3)			

Core University/BS-Specific Requirements: (12 credits)

WU 101 (3)* (≥ C Grade)	Total Hours (120-121)
EN 101 (3) (≥ C Grade)	Hours Outside Major (72)
EN 300 (3) (≥ C Grade)	Upper Division (≥300 level) (45)
MA 116 (3)** (≥ C Grade)	Hours Within Arts and Sciences (99)
(≥ 2.0 Overall Cumulative GPA)	All Major Requirements, Correlated Requirements, Major Electives and Correlated Electives (≥ C Grade)

*Students transferring with 24 or more credit hours completed at an accredited post-secondary institution (after graduating from High School) with a GPA of 2.0 or higher are exempt from this requirement.

**May be waived if the student successfully places into a higher-level mathematics course with an ACT score of 25 or higher and then successfully completes that course with a grade of C or higher or if a student presents an ACT score in mathematics of at least 28 (SAT of at least 640).

(Orig: Fall 2021)

Upper Division requirement – need 45 hours minimum

KN required (30): 300 or 318, 308, 321, 326, 327, 330, 342, 357, 403, 410 and 411

KN Elective (9 possible): 315, 335, 341, 343, 344, 345, 350, 367 or 491

Correlated Elective (0-9): AL 320, CN 306, HL 377, HS371, HS 378 and PY 326 all possible

University Required (3): EN 300