

DEPARTMENT OF KINESIOLOGY AND HEALTH PROMOTION  
2009-2010 CURRICULUM - KINESIOLOGY

**EXERCISE SCIENCE OPTION: CLINICAL HEALTH SCIENCE TRACK**

**COMMON CORE COURSES IN MAJOR**

- \_\_\_ 1 KIN 201 Professions in Kinesiology & Health Promotion
- \_\_\_ 3 KIN 209 Critical Perspectives in Kinesiology
- \_\_\_ 3 KIN 303 Physiology of Exercise (ZOO 235/235L)
- \_\_\_ 1 KIN 303L Physiology of Exercise Lab (ZOO 235/235L)
- \_\_\_ 3 KIN 312 Life Span Motor Development
- \_\_\_ 1 KIN 312A Life Span Motor Development Act
- \_\_\_ 3 KIN 425 Tests and Measurements (STA 120)
- \_\_\_ 1 KIN 425A Tests and Measurements Act (STA 120)

**EXERCISE SCIENCE OPTION COURSES**

- \_\_\_ 3 KIN 304 Intro. to Biomechanical (**subs for KIN 402**) (STA 120, ZOO 234/L)
- \_\_\_ 1 KIN 304L Intro. to Biomechanical Lab (**subs for KIN 402L**) (STA 120, ZOO 234/L)
- \_\_\_ 3 KIN 403 Physiology of Exercise II (KIN 303/303L)
- \_\_\_ 1 KIN 403L Physiology of Exercise II Lab (KIN 303/303L)
- \_\_\_ 3 KIN 412 Movement Anatomy and Kinesiology (KIN 304/304L)
- \_\_\_ 1 KIN 412A Movement Anatomy and Kinesiology Activity (KIN 304/304L)
- \_\_\_ 3 KIN 430 Motor Learning and Human Performance (STA 120; KIN 303/303L)
- \_\_\_ 1 KIN 430L Motor Learning and Human Performance (STA 120; KIN 303/303L)
- \_\_\_ 3 KIN 453 Principles of Health/Fitness Programs (KIN 303/303L)
- \_\_\_ 4 KIN 455 Sports Medicine (KIN 303/303L)
- \_\_\_ 3 KIN 456 Ex Metabolism & Weight Control (KIN 303/303L; FN 235 or FN 305)
- \_\_\_ 2 ZOO 234 Human Anatomy (BIO 115/115L)
- \_\_\_ 2 ZOO 234L Human Anatomy Lab (BIO 115/115L)
- \_\_\_ 3 ZOO 235 Human Physiology (BIO 115/115L)
- \_\_\_ 1 ZOO 235L Human Physiology Lab (BIO 115/115L)

**CLINICAL HEALTH SCIENCE COURSES**

- \_\_\_ 3 MIC 201 Basic Microbiology (BIO 110 or BIO 115/115L; CHM 103/103L or CHM 121/121L)
- \_\_\_ 2 MIC 201L Basic Microbiology Lab (BIO 110 or BIO 115/115L; CHM 103/103L or CHM 121/121L)
- \_\_\_ 4 BIO 303 Genetics (BIO 110 OR BIO115/115L)
- \_\_\_ 4 BIO 310 Cell, Molecular, & Developmental Biology (BIO 303; CHM 123/L, CHM 201/250L or CHM 314/317L)
- \_\_\_ 3 PHY 121 College Physics (MAT 106)
- \_\_\_ 1 PHY 121L College Physics Laboratory (MAT 106)
- \_\_\_ 3 PHY 122 College Physics (PHY 121/121L)

- \_\_\_ 1 PHY 122L College Physics Laboratory (PHY 121/121L)
- \_\_\_ 3 PHY 123 College Physics (PHY 122/122L)
- \_\_\_ 1 PHY 123L College Physics Laboratory (PHY 122/122L)
- \_\_\_ 3 CHM 121 General Chemistry **Fulfills GE B1**
- \_\_\_ 1 CHM 121L General Chemistry Laboratory **Fulfills GE B1**
- \_\_\_ 3 CHM 122 General Chemistry (CHM 121/121L)
- \_\_\_ 1 CHM 122L General Chemistry Laboratory (CHM 121/121L)
- \_\_\_ 3 CHM 123 General Chemistry (CHM 122/122L)
- \_\_\_ 1 CHM 123L General Chemistry Laboratory (CHM 122/122L)
- \_\_\_ 3 CHM 201 Elements of Organic Chemistry (CHM 122/L)
- \_\_\_ 1 CHM 250L Elements of Organic Chemistry Lab (CHM 122/L)
- \_\_\_ 3 CHM 321 Elements of Biochemistry (CHM 201/250L or CHM 315/318L)
- \_\_\_ 1 CHM 321L Elements of Biochemistry Lab (CHM 201/250L or CHM 315/318L)
- \_\_\_ 4 FN 235 Nutrition (College chemistry or biology course)
- \_\_\_ 2 KIN 461 Senior Project (Senior Standing)
- \_\_\_ 2 KIN 462 Senior Project (Senior Standing)

**SELECT 8 UNITS FROM THE FOLLOWING:** (if using CHM 121/L as GE B1 – then 12 units are needed)

- \_\_\_ 2 KIN 205 First Aid
- \_\_\_ 1 KIN 205A First Aid Activity
- \_\_\_ 4 FN 433 Advanced Nutrient Metabolism I (FN 235 or FN 305; FN 335; ZOO 235/L; BIO 300 or BIO 303)
- \_\_\_ 4 FN 434 Advanced Nutrient Metabolism II (FN 433)
- \_\_\_ 4 FN 435 Advanced Nutrient Metabolism III (FN 434)
- \_\_\_ 3 BIO 211 Biometrics (BIO 115/115L; STA 120)
- \_\_\_ 1 BIO 211L Biometrics Lab (BIO 115/115L; STA 120)
- \_\_\_ 4 ZOO 415 Human Embryology (ZOO 238/238L)
- \_\_\_ 1 ZOO 415L Human Embryology Lab (ZOO 238/238L)
- \_\_\_ 4 MIC 330 General Epidemiology (MIC 201/L; BIO 211/L)
- \_\_\_ 3 MIC 444 Hematology (BIO 121/L; BIO 122/L; BIO 123/L)
- \_\_\_ 1 MIC 444L Hematology Laboratory (BIO 121/L; BIO 122/L; BIO 123/L)
- \_\_\_ 4 PSY 314 Human Relations (PSY 201 or PSY 202)
- \_\_\_ 4 PSY 417 Basic Counseling (PSY 201 or PSY 202)
- \_\_\_ 4 MAT 106 Trigonometry
- \_\_\_ 3 CHM 314 Organic Chemistry (CHM 123/123L)
- \_\_\_ 1 CHM 317L Organic Chemistry (CHM 123/123L)
- \_\_\_ 3 CHM 315 Organic Chemistry (CHM 314/317L)
- \_\_\_ 1 CHM 318L Organic Chemistry (CHM 314/317L)
- \_\_\_ 3 CHM 316 Organic Chemistry (CHM 315/318L)
- \_\_\_ 1 CHM 319L Organic Chemistry (CHM 315/318L)

**Prerequisite courses are shown in parentheses**

SEE BACK OF PAGE FOR GENERAL EDUCATION REQUIREMENTS

**GENERAL EDUCATION REQUIREMENTS**

**Area A Communication and Critical Thinking-12 units**

- \_\_\_(1) 4 \_\_\_ Oral Communication
- \_\_\_(2) 4 ENG 104 Written Communication
- \_\_\_(3) 4 \_\_\_ Critical Thinking

**Area B Math and Natural Sciences-17 units  
(Select one lab course from sub-area 2)**

- \_\_\_(1) 4 \_\_\_ Physical Science
- \_\_\_(2) 3 BIO 115 Basic Biology
- \_\_\_(3) 2 BIO 115L Basic Biology Lab
- \_\_\_(4) 4 STA 120 Statistics with Applications
- \_\_\_(5) 4 \_\_\_ Science and Technology Synthesis

**Area C Humanities-16 units  
One course from each area**

- \_\_\_(1) 4 \_\_\_ Fine/Performing Arts
- \_\_\_(2) 4 \_\_\_ Philosophy and Civilization
- \_\_\_(3) 4 \_\_\_ Literature and Foreign Language
- \_\_\_(4) 4 \_\_\_ Humanities Synthesis

**Area D Social Sciences-20 units  
Two courses in sub-area 1, and at least one course from each of sub-areas 2, 3, and 4.**

- \_\_\_(1a)4 PLS 201 U.S. History, Constitution, American Ideals
- \_\_\_(1b)4 HST 202 U.S. History, Constitution, American Ideals
- \_\_\_(2) 4 \_\_\_ History, Economics, and Political Science
- \_\_\_(3) 4 \_\_\_ Sociology, Anthropology, Ethnic, and Gender Studies
- \_\_\_(4) 4 \_\_\_ Social Science Synthesis

**Area E Lifelong Understanding and Self-Development- 4 units**

- \_\_\_ 4 \_\_\_ Lifelong Understanding and Self-Development

SUMMARY	
Common Core	16
Exercise Science Option	34
Clinical Health Science Select	49-53 8-12
General Education	<u>69</u>
<b>TOTAL</b>	<b>180</b>

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