### HUMAN BIOLOGY MAJOR WITH EMPHASIS IN EXERCISE SCIENCE

#### Supporting Courses, 30-36 credits
- **BIOLOGY 201 Principles of Biology** I 3 cr (F,S)
- **BIOLOGY 202 Principles of Biology** II 3 cr (F,S)
- **CHEM 211 Principles of Chemistry** I 4 cr (F,S)
- **CHEM 212 Principles of Chemistry** II 4 cr (F,S)
- **CHEM 213 Princ of Chemistry I Lab** 1 cr (F,S)
- **CHEM 214 Princ of Chemistry II Lab** 1 cr (F,S)
- **ENG COMP 105 Expository Writing** 3 cr (F,S)
- **ENG COMP 106 Expository Writing** 3 cr (F,S)
- **HUM BIOL 116 First Aid and Emergency Care Procedures** 3 cr (F,S) (satisfied with an ACT English score of 32 or higher)
- **HUM BIOL 204 Anat and Physiology** 5 cr (F,S)
- **HUM BIOL 207 Laboratory Safety** 1 cr (F,S)
- **HUM BIOL 210 Prevention and Treatment of Athletic Injuries** 3 cr (F,S)
- **MATH 260 Introductory Statistics** 4 cr (F,S)
- **Oral communication (COMM 133 Fundamentals of Public Address)** (F,S)
- **Literature (e.g., ENGLISH 104 Intro to Literature)** (F,S)
- **NonEnglish language (one year at the college level)**

#### Upper-Level Courses - need 30 credits of upper level courses.
The 30 credits come from the combination of the required and elective courses.

**Upper-Level Required - 17 credits**
- **HUM BIOL 333 Princ of Sports Phys** 3 cr (S)
- **HUM BIOL 360 Exercise Phys 4 cr (F)** WE
- **HUM BIOL 361 Hum Phys Lab: Exerc-Metab**
- **HUM BIOL 351 Kinesiology 4 cr (F)**
- **NUT SCI 300 Human Nutrition 3 cr (F,S)**

(select one of these) 3 credits:
- **BIOLOGY 303 Genetics 3 cr (F,S)**
- **BIOLOGY 307 Cell Biology 3 cr (F,S)**
- **HUM BIOL 310 Human Genetics 3cr (F,S)WE**

#### Upper level Electives, (13 credits toward 30)
One laboratory course* from the list must be taken at the upper level.

The following courses are commonly used as upper level elective courses. However many upper-level courses in Biology, Human Biology, Nutritional Science or Chemistry can be used to meet this requirement. In addition, designated courses in Psychology and Human Development can be used to meet this requirement. See advisor to add courses not listed below.

- **BIOLOGY 302 Princ of Microbiology 4 cr** (F,S)
- **BIOLOGY 303 Genetics 3 cr (F,S)**
- **BIOLOGY 304 Genetics Laboratory 1 cr (F)**
- **BIOLOGY 307 Cell Biology 3 cr (F,S)**
- **BIOLOGY 308 Cell Biology Lab 1 cr (F,S)**
- **BIOLOGY 309 Evolutionary Biology 3 cr (F,S)**
- **BIOLOGY 340 Comparative Anatomy 4 cr** (F)
- **BIOLOGY 346 Comparative Physiology 3 cr (F)**
- **BIOLOGY 360 Introductory Exercise Physiology 1 cr** (F,S) WE
- **BUS ADM 382 Introductory Management 3 cr** (F,S) WE
- **CHEM 300 Bio-Organic Chemistry 3 cr (F)**
- **CHEM 301 Bio-Organic Chemistry Lab 1 cr (F)**
- **CHEM 302 Ethnic Influences on Nutrition 3 cr (S)**
- **CHEM 327 Nutritional Biochemistry 4 cr** (F)
- **CHEM 350 Life Cycle Nutrition 3 cr (S)**
- **CHEM 427 Adv Nutrition & Metabolism 3 cr (F)**
- **NUT SCI 302 Ethnic Influences on Nutrition** 3 cr (S)
- **NUT SCI 327 Nutritional Biochemistry** 4 cr (F)
- **NUT SCI 350 Life Cycle Nutrition** 3 cr (S)
- **NUT SCI 427 Adv Nutrition & Metabolism** 3 cr (S)
- **PSYCH2 300 Research Methods Psych** 4 cr (F,S)
- **PSYCH2 308 Physiological Psychology** 3 cr (F,S)
- **PSYCH2 435 Abnormal Psychology** 3 cr (F,S)
- **HUM BIOL 495 Research in Human Biology** 1-4 cr
- **HUM BIOL 497 Internship 1-4 cr**
- **HUM BIOL 498 Independent Study 1-4cr**
- **HUM BIOL 413 Neurobiology 3 cr (F)**
- **HUM BIOL 423 Immunology Lab 1 cr** (SO)
- **HUM BIOL 426 Cancer Biology 3 cr (SE)**
- **HUM BIOL 427 Cancer Biology Lab 1 cr** (SE)
- **HUM BIOL 444 Endocrinology 3 cr (S)**
- **HUM BIOL 478 Honors in the Major 3 cr**
- **HUM BIOL 495 Research in Human Biology 1-4 cr**
- **HUM BIOL 497 Internship 1-4 cr**
- **HUM BIOL 498 Independent Study 1-4cr**
- **HUM BIOL 310 Human Genetics 3 cr (F,S) WE**
- **HUM BIOL 324 Biology of Women 3 cr (S)**
- **HUM BIOL 402 Human Physiology** 3 cr (F,S)
- **HUM BIOL 403 Human Phys Lab 1 cr** (S) WE
- **HUM BIOL 450 Biotechnology and Ethics 3cr (F)WE**
- **HUM BIOL 413 Neurobiology 3 cr (F)**
- **HUM BIOL 422 Immunology 3 cr (SO) WE**
- **HUM BIOL 423 Immunology Lab 1 cr** (SO)
- **HUM BIOL 426 Cancer Biology 3 cr (SE)**
- **HUM BIOL 427 Cancer Biology Lab 1 cr** (SE)
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**Key:** 1-4 cr, 6 cr

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**General Education:**
- Biol Sci
- Capstone
- Ethnic Stud
- Fine Arts
- First Year Semin
- Global Culture
- Humanities
- Natural Sci
- Quantitative Literacy
- Social Sciences
- Sustainability
- Writ Emp (2 up.level)
- Writ Emp (2 low level)

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L:Forms (updated 10/27/15)