Curriculum Plan for _____ Date _____ Expected Graduation Date _____

HUMAN BIOLOGY MAJOR WITH EMPHASIS IN *GENERAL HUMAN BIOLOGY*

(*updated 4/03/20*)

Supporting Courses, 41-44 credits minimum

- ☐ BIOLOGY 201 Principles of Biology I 3 cr (F,S)
- ☐ BIOLOGY 202 Principles of Biol Lab 1 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)
- ☐ WF 105 Research and Rhetoric 3 cr (F,S)
  (or an ACT English score of 32 or higher)
- ☐ HUM BIOL 204 Anatomy & Physiology 5cr (F,S)
- ☐ BIOL 207 Laboratory Safety 1 cr (F,S)
- ☐ MATH 104 Elem Func: Algebra/Trig 4 cr (F,S)
- ☐ MATH 260 Introductory Statistics 4 cr (F,S)

Select one:

- ☐ COMM 133 Fundamentals of Public Address
- ☐ COMM 166 Fundamentals of Interperson Communic
- ☐ Literature, e.g., ENGLISH 104 Intro to Literature
- ☐ Non-English 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 courses and the elective courses. Three required upper level lab courses* count toward the 30 cr

Required Courses: Select one course from three of the following four areas, 13-14 credits

Genetics:

- ☐ BIOLOGY 303 Genetics 3 cr (F,S)
- ☐ HUM BIOL 310 Human Genetics 3 cr (F,S) WE

Physiology:

- ☐ HUM BIOL 402 Human Physiology 3 cr (F,S)
- ☐ HUM BIOL 360 Exercise Phys 4 cr (F) WE
  & Hum bio 361 Hum Phys Lab: Exerc-Metab

Nutrition:

- ☐ NUT SCI 300 Human Nutrition 3 cr (F,S)

Cell Biology:

- ☐ BIOLOGY 302 Princ of Microbiology 4 cr* (F,S)
- ☐ BIOLOGY 307 Cell Biology 3 cr (F,S)

Select one option for organic chemistry, 4 credits

- ☐ CHEM 300 Bioorganic Chemistry 3 cr (S)
- ☐ CHEM 301 Bioorganic Chemistry lab 1 cr (S)

OR

- ☐ CHEM 302 Organic Chemistry I 3 cr (FS)
- ☐ CHEM 304 Organic Chemistry I lab 1 cr (FS)

Upper level Electives, (~16 credits toward 30 credits)

Other courses to be used as electives, and notes on academic plans, can be found on the back of this page. Appropriate substitutions may be made with the approval of a faculty advisor.

F=fall, S=spring, O=odd years, E=even years, V=varies, WE=writing emphasis *= upper level lab course

Links to current catalogue descriptions can be found at **HUMAN BIOLOGY – PROGRAM – DEGREE REQUIREMENTS (MAJOR)**	**GENERAL EDUCATION:** ☐ Biol Sci • ☐ Capstone • ☐ Ethnic Studies • ☐ Fine Arts • ☐ First Year Seminar • ☐ Global Culture • ☐ ☐ Humanities • ☐ Natural Sci ☐ Quantitative Literacy • ☐ ☐ Social Sciences • ☐ Sustainability • ☐ ☐ ☐ ☐ Writing Emphasis (must have at least 2 upper-level) **Key: ☐ 1-4 cr; ☐ ☐ 6 cr**

Term _____	**Term** _____	**Term** _____	**Term** _____
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Human Biology

☐ HUM BIOL 310 Human Genetics 3 cr (F,S) WE
☐ HUM BIOL 318 Reproductive Biology 3 cr (S)
☐ HUM BIOL 322 Epidemiology (S)
☐ HUM BIOL 324 Biology of Women 3 cr (S)
☐ HUM BIOL 331 Science and Religion 3 cr (V)
☐ HUM BIOL 333 Princ Sports Phys 3 cr (S)
☐ HUM BIOL 341 Human Anatomy Lab 1 cr* (F)
☐ HUM BIOL 344 Epidemiology 3 cr (S)
☐ HUM BIOL 351 Kinesiology 4 cr* (F)
☐ HUM BIOL 360 Exercise Phys 4 cr* (F) WE
& HUM BIOL 361 Hum Phys Lab: Exerc-Metab
☐ HUM BIOL 401 Art and Science 1 cr (S)
☐ HUM BIOL 402 Human Physiology 3 cr (F,S)
☐ HUM BIOL 403 Human Phys Lab 1 cr* (S) WE
☐ HUM BIOL 413 Neurobiology 3 cr (F)
☐ HUM BIOL 422 Immunology 3 cr (S) WE
☐ HUM BIOL 423 Immunology Lab 1 cr* (V)
☐ HUM BIOL 426 Cancer Biology 3 cr (F)
☐ HUM BIOL 427 Cancer Biology Lab 1 cr* (V)
☐ HUM BIOL 444 Endocrinology 3 cr (V) WE
☐ HUM BIOL 478 Honors in the Major 3 cr
☐ HUM BIOL 495 Research in Human Biol 1-4 cr
☐ HUM BIOL 497 Internship 1-4 cr
☐ HUM BIOL 498 Independent Study 1-4 cr

Nutritional Science

☐ NUT SCI 300 Human Nutrition 3 cr (F,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)
☐ NUT SCI 486 Medical Nutrition Therapy II (S)

Environmental Science

☐ ENV SCI 339 Scientific Writing

F = fall,
S = spring O = odd years,
E = even years,
V = varies,
WE = writing emphasis
*= upper level lab course

Biology

☐ BIOLOGY 302 Microbiology 4 cr* (F,S)
☐ BIOLOGY 303 Genetics 3 cr (F,S)
☐ BIOLOGY 304 Genetics Laboratory 1 cr* (F) WE
☐ BIOLOGY 307 Cell Biology 3 cr (F,S)
☐ BIOLOGY 308 Cell Biology Lab 1 cr* (F,S) WE
☐ BIOLOGY 309 Evolutionary Biology (F,S)
☐ BIOLOGY 340 Comparative Anatomy 4 cr* (F) WE
☐ BIOLOGY 345 Animal Behavior 3 cr (SE)
☐ BIOLOGY 346 Comparative Physiology 3 cr (S)
☐ BIOLOGY 402 Advanced Microbiology 4 cr* (F) WE
☐ BIOLOGY 407 (CHEM 407) Molecular Biol 3 cr (SO)
☐ BIOLOGY 408 (CHEM 408) Molec Biol Lab 1 cr* (SO)
☐ BIOLOGY 410 Development Biology 3 cr (SO) WE
☐ BIOLOGY 411 Development Biology Lab 1 cr* (V)

Chemistry

☐ CHEM 300 Bio-Organic Chemistry 3 cr (S)
☐ CHEM 301 Bio-Organic Chemistry Lab 1 cr (S)
☐ CHEM 302 Organic Chemistry I 3 cr (FS)
☐ CHEM 303 Organic Chemistry II 3 cr (FS)
☐ CHEM 304 Organic Chem Lab I 1 cr (FS)
☐ CHEM 305 Organic Chem Lab II 1 cr (FS)
☐ CHEM 330 Biochemistry 3 cr (FS)
☐ CHEM 331 Biochemistry Lab 1 cr* (FS)

Psychology

Maximum of ONE…
☐ PSYCH2 308 Physiological Psychology 3 cr (S)
☐ PSYCH2 435 Abnormal Psychology 3 cr (F,S)
☐ PSYCH2 450 Health Psychology 3 cr (S)

Notes – **<u>for academic plans filed beginning fall 2017</u>**

- all emphases can use **<u>any</u>** course on this list as an upper level elective
- all emphases include an "organic chemistry" component
- COMM SCI 205 (Social Science stats) is **<u>no longer</u>** an option as a statistics course for the Nutrition Science emphasis
- Nut Sci 302 (Ethn Inf Nut, now Nut Sci 202) no longer counts as an upper level elective
- academic plans filed before fall 2017 will follow the "old" curriculum per shown in student's SIS, BUT advisors may substitute per this page