

Integrative Science-Health Science Advising Track**LEVEL 1: Building a Scientific Foundation (16 Credits)**

- _____ BIOL 101 Foundations of Biology (4) fall only
- _____ BIOL 201 Intermediate Cell Biology and Genetics (4) or BIOL 216 Physiology in Practice (4) spring only
- _____ CHEM 125 Introduction to Chemical Structure (4) and CHEM 201 Purification and Separation Lab I (0-1)
- _____ NUTR 125 Concepts of Nutrition Science (4)

LEVEL 2: First Integration Point (4 Credits) Must be taken in sophomore year unless permission is granted from chair.

- _____ ESSS 273 Health and Fitness (4) fall only

LEVEL 3a: Building Depth and Breadth: Upper Division Natural Science courses (20 Credits with no more than 12 credits from one academic department) Course prerequisites are bracketed at the right, followed by the semester the course is typically offered. Please note that it is the student's responsibility to make sure all prerequisites are complete prior to enrolling in upper division coursework.

- _____ BIOL 307 Microbiology (4) {BIOL 101, 201, CHEM 125, 250} fall
- _____ BIOL 317 Introduction to Biochemistry (4) {BIOL 101, 201, CHEM 125, 250, 255, 201, 202, 205} fall and spring
- _____ BIOL 323 Animal Physiology (4) {BIOL 101, 201} fall
- _____ BIOL 325 Human Anatomy and Physiology I (4) {BIOL 101, 201} fall
- _____ BIOL 326 Human Anatomy and Physiology II (4) {BIOL 325} spring
- _____ BIOL 320 Neurobiology (4) {BIOL 101, 201, with grades of C or better} spring
- _____ NUTR 301 Diet, Health & Disease Prevention (4) {NUTR 125, 323, BIOL 216} fall and spring
- _____ NUTR 302 Physiology of Weight Regulation (2) {NUTR 125, BIOL 201 or 216} spring
- _____ NUTR 320 Micronutrient Metabolism and Nutritional Supplementation (2) {NUTR 125, CHEM 125, 250} spring
- _____ NUTR 323 Public Health Nutrition (4) {NUTR 125} fall and spring
- _____ NUTR 326 Global Health and Nutrition (4) (NUTR 125, 323)
- _____ NUTR 330 Nutritional Biochemistry and Assessment (4) {NUTR 125, CHEM 125, 250 (or concurrent with 250)} fall
- _____ ESSS 306 Kinesiology (4) {ESSS 258 or BIOL 325 (or concurrent with 325); PHYS 105 or 191 recommended} fall
- _____ ESSS 308 Exercise Physiol. (4) {ESSS 273, ESSS 258 or BIOL 216 or 325, MATH 118 or 119 or 124 or PSYC 221 or SOCI 201} spring
- _____ ISCI 310 Applied Pathophysiology (4) {ISCI 201 or ESSS 273 & BIOL 201, 216, or ESSS 258, or equiv. human physiology course} fall

Note: No more than 12 credits from any one department

LEVEL 3b: Additional upper Division Courses (8 credits including Natural Science coursework and courses outside the Natural Sciences)

- _____ Any upper division Natural Science Course _____
- _____ Any upper division Natural Science Course _____
- _____ COMM 352 Health Communication (4)
- _____ PSYC 340 Physiological Psychology (4)
- _____ PSYC 342 Psychopharmacology (4)
- _____ PSYC 343 Health Psychology (4)
- _____ PSYC 360 Developmental Psychology (4)
- _____ PSYC 370 Clinical and Counseling Psychology (4)
- _____ PSYC 381 Abnormal Psychology (4)
- _____ PSYC 382 Neuropsychology (4)
- _____ SOCI 333 Sociology of Medicine and Health Care (4)
- _____ SOCI 337I Anthropology of Global Health Challenges (4)

LEVEL 4: Second Integration Point (4 Credits which cannot also be counted toward the level 3a or level 3b requirement)

- _____ ESSS 306 Kinesiology (4) {ESSS 258 or BIOL 325 (or concurrent with 325); PHYS 105 or 191 recommended} fall
- _____ ESSS 308 Exercise Physiol. (4) {ESSS 273, ESSS 258 or BIOL 216 or 325, MATH 118 or 119 or 124 or PSYC 221 or SOCI 201} spring
- _____ NUTR 330 Nutritional Biochemistry and Assessment (4) {NUTR 125, CHEM 125, 250 (or concurrent with 250)} fall
- _____ ISCI 310 Applied Pathophysiology (4) {ISCI 201 or ESSS 273 & BIOL 201, 216, or ESSS 258, or equiv. human physiology course} fall

LEVEL 5: Integration Science Capstone (4 Credits)

- _____ ISCI 378 (4) spring only
- _____ BIOL 397 (4) Internship
- _____ ESSS 397 (4) Internship

Should students apply for distinction in the major, they would enroll in one of the following sets of research :

- _____ ESSS Research
 - ESSS 316 Research Methods (2 credits) spring junior year
 - ESSS 395 Research Seminar I (1 credit) fall senior year
 - ESSS 396 Research Seminar II (1 credit) spring senior year
- _____ NUTR Research
 - NUTR 380 Research Seminar I (2) spring junior year (fall senior year if abroad)
 - NUTR 381 Research Seminar II (2) fall senior year
 - NUTR 396 Nutrition Research Capstone (2) spring senior year

*** No more than 12 credits can be counted toward another major or minor.**

	Year 1	Year 2	Year 3	Year 4
Fall				
Spring				

Common Curriculum requirements:

FYS I & FYS II ES EL Theo 111 FA HM & HM (different departments) FAE
 GL 111, 112, 211 GE IC TU NS MT SS