

Human Biology Emphasis Area Checklist

Two credits total from one or two of:

BI 401 Research, BI 402 Superv College Teach, BI 407 Appl Graduate Stdy, BI 409 Prac Volunteers in Med, BI 409 Practicum

Ten credits from the following (Outside Department):

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|---------------------------------------------|----------------------------------------------|
| __ ANTH 361 Human Evolution | __ HPHY 412 Sleep Physiology |
| __ ANTH 362 Human Biological Variation | __ HPHY 413 Muscle Struct Funct & Plasticity |
| __ ANTH 366 Human Osteology Laboratory | __ HPHY 414 Muscle Metabolism |
| __ ANTH 369 Human Growth & Development | __ HPHY 422 Physiology of Obesity |
| __ ANTH 376 Genomics & Anthropology+ | __ HPHY 423 Physiology of Aging |
| __ ANTH 467 Paleoecology & Human Evolution+ | __ HPHY 433 Neurophysiology of Concussion |
| __ ANTH 473 Advanced Forensic Anthropology | __ HPHY 444 Clinical Anatomy |
| __ ANTH 474 Human Skeletal Pathology | __ HPHY 470 Environmental Physiology |
| __ ANTH 487 Bioanthropology Methods+ | __ PSY 304 Biopsychology+ |
| __ HPHY 321 Human Anatomy I+ | __ PSY 305 Cognition |
| __ HPHY 322 Human Physiology I+ | __ PSY 309 Psychopathology |
| __ HPHY 323 Human Anatomy II+ | __ PSY 383 Psychoactive Drugs |
| __ HPHY 324 Human Physiology II+ | __ PSY 433 Learning & Memory |
| __ HPHY 325 Hum Anat Physiol III | __ PSY 436 Human Performance |
| __ HPHY 337 Clinical Pharmacology | __ PSY 445 Brain Mechanisms of Behavior+ |
| __ HPHY 362 Tissue Injury & Repair | __ PSY 449 Cognitive Neuroscience+ |
| __ HPHY 371 Physiology of Exercise | __ PSY 450 Hormones & Behavior |
| __ HPHY 374 Clinical ECG & Exercise | __ PSY 480 Developmental Psychopathology |
| __ HPHY 375 Metabolism & Nutrition | |

+ Satisfies Biology Major Upper Division, approved outside department category for which a maximum of 10 credits may be applied.

One course from the following Area I:

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|---------------------------------|-------------------------------------------|
| __ BI 320 Molecular Genetics | __ BI 360 Neurobiology |
| __ BI 322 Cell Biology | __ BI 399 Immunology & Infectious Disease |
| __ BI 328 Developmental Biology | |

One course from the following Area II:

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|-----------------------------------------------|------------------------------------------------|
| __ BI 330 & BI 331 Microbiology Lecture & Lab | __ BI 358 Investigations in Medical Physiology |
| __ BI 353 Sensory Physiology | __ BI 399 Visual Systems |
| __ BI 356 Animal Physiology | |

One Course from the following:

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|-----------------------------------------------|-----------------------------------------------|
| __ BI 309 Tropical Diseases in Africa | __ BI 424 Adv Molecular Genetics |
| __ BI 410 Metabolism & Disease | __ BI 425 Adv Molecular Biology Research Lab |
| __ BI 410 Biology of Aging | __ BI 426 Genetics of Cancer |
| __ BI 410 Stem Cells Disease & Medicine | __ BI 427 Molecular Genetics of Human Disease |
| __ BI 410 Auditory Systems | __ BI 428 Developmental Genetics |
| __ BI 410 Chromatin Structure & Function | __ BI 433 Bacterial-Host Interactions |
| __ BI 410 The Human Microbiome | __ BI 461 Systems Neuroscience |
| __ BI 410 Neurogenetics | __ BI 466 Developmental Neurobiology |
| __ BI 421 Adv Molecular Genetics Research Lab | __ BI 485 Tech in Computational Neuroscience |
| __ BI 422 Protein Toxins in Cell Biology | __ BI 493 Genomic Approaches & Analysis |
| __ BI 423 Human Molecular Genetics | |

NB: Course offerings vary each term and year, so plan ahead with several options.