

B.S. in Biology/Anthropology

Colleges of Humanities and Social Sciences & Sciences and Technology

2007-2008 Academic Advising Center Old Main 380 360.650.3850 Advising@cc.wvu.edu

This document has been created for advising purposes only. Please contact the appropriate department for major and/or graduation requirements.

What is the study of Biology/Anthropology?

Biological or Physical Anthropology is the study of both present and past human variation relative to local ecologies and cultures. Biological Anthropologists specialize in Human or Primate Anatomy, Genetics, Disease Ecology, growth and development, Forensic Anthropology and Osteology, Medical

Anthropology, Primate Behavior, and Paleoanthropology.

Biology, the scientific study of living things, includes a broad spectrum of fascinating fields. Cell and Molecular Biology, Developmental Genetics, Systematics and Evolution, Botany, Zoology, Marine

Biology, Microbial Ecology, Plant Ecology, Animal Ecology, Physical Ecology, Physiological and Behavioral Ecology and Science Education are some of the specialties of study that students can pursue with the Biology faculty at Western.

Why should I consider a Biology/Anthropology Major?

The Biology/Anthropology major concentrates on human biology and behavioral science. This major is most useful for those continuing on in

applied health such as; Medicine, Osteopathy, Optometry, Dentistry, etc. It is also useful for Epidemiology, public health and graduate

programs in Human Biology and Biological Anthropology.

Declaring a Biology/Anthropology Major:

Consult Department advisors in Biology and Anthropology as early as possible. Early advisement will ensure appropriateness and proper sequencing of courses.

Mid Program Checkpoint:

Students intending to complete a Bachelor's of Science degree in Biology/Anthropology within four years should complete the following courses by the start of their junior year. Students are expected to follow all prerequisite requirements for courses and seek early departmental advisement.

Coursework:

MATH 124
CHEM 121, 122, 123 or 125, 126, 225, 351, 352
BIOL 204, 205, 206
ANTH 201, 210, 215

Other Activities:

Meet with Departmental advisor or Academic Advising Center by the time you reach 60 credits regarding choice of major.

Contact Information:

www.biol.wvu.edu/biology/

www.ac.wvu.edu/~anthro/
Anthropology Program
Advisors:

Joan Stevenson
AH 316 (360)650-4787
jcstvnnsn@cc.wvu.edu

Michael Grimes
AH 324 (360)650-3614
grimesm@cc.wvu.edu

Biology Undergraduate
Advisor:

Nancy Kirchgatter
BI 315 (360) 650-3627
Nancy.Kirchgatter@wvu.edu

Biology Department
Advisor:

Roger Anderson
BI 311 (360)650-3992
Roger.anderson@wvu.edu

Sample Career **Fields:**

- Applied Health Tracks
- Human Biology and Physiology

Biology/Anthropology Major Requirements: 101-104 Credits

Biology Phase II status required for admission into 300- and 400-level biology courses for Biology majors.

Supporting Courses: 34-37 required credits.

CHEM: 121, 122, 123 General Chemistry I, II, III (5, 5, 4)
or CHEM125, 126, 225 General Chemistry, Honors (5, 5, 5)

CHEM: 351 Organic Chemistry (4)

CHEM: 352 Organic Chemistry (4)

or CHEM 251 Elementary Organic Chemistry (4) only with advisor approval.

CHEM 353, 354 Organic Chemistry Labs are recommended

PHYS 114, 115 Principles of Physics I, II (5, 5)

PHYS 116 Principles of Physics III (5) (recommended)

or PHYS 121, 122, 123, 131, 132, 133

MATH: 124 Calculus and Analytic Geometry (5)

or Math 134 Honors Calculus I (5)

Basic requirements: Biology 14 credits

BIOL: 204 Introduction to Evolution, Ecology and Biodiversity (4)

BIOL: 205 Introduction to Cellular and Molecular Biology (5)

BIOL: 206 Introduction to Organismal Biology (5)

Basic requirements: Anthropology 15 credits

ANTH: 201 Introduction to Cultural Anthropology (5)

ANTH: 210 Introduction to Archaeology (5)

ANTH: 215 Introduction to Biological Anthropology (5)

Breadth requirements: 16-19 credits

BIOL: 321 Genetics (4)

BIOL: 325 Ecology (3)

or ANTH: 350 The Ecology of Human Variation (5)

BIOL: 340 Biometrics (5)

or ANTH: 335 Quantitative Methods in Anthropology (5)

BIOL: 432 Evolutionary Biology (4)

or ANTH 423 Human Evolution (5)

Other Biology or Anthropology options:

B.A. in Anthropology (65 credits)

B.A. in Anthropology/Archaeology (80 credits)

B.A. in Anthropology/Biology (89 + 23 supporting credits)

B.A. in Anthropology/Social Studies (86-88 credits)

B.A. in Anthropology–Biocultural Concentration (95-98 credits)

B.A. in Behavioral Neuroscience (109-110 credits)

B.A. in Biology (74 credits)

B.S. in Biology (90-95 credits)

B.S. in Cellular and Molecular Biology/Biochemistry (109 credits)

B.S. in Biology/Mathematics BS (10-105 credits)

B.A. Ed in Biology/Chemistry–Secondary (103-104 credits)

B.A. Ed. In Anthropology–Elementary (45 credits + 107 for Elementary Education Professional Program)

Minor in Anthropology (25 credits)

Minor in Biology (43 credits)

Depth requirements: 12-15 credits

BIOL 348 Human Anatomy and Physiology (5)

BIOL 349 Human Physiology (5)

or BIOL: 467 Comparative Vertebrate Physiology (5)

One of the following:

ANTH 308 Hunter-Gatherer Societies in the World (4)

ANTH 422 Nutritional Anthropology (5)

ANTH 424 Medical Anthropology (5)

BIOL 410 Animal Behavior (4)

Electives: 3-9 credits to make 66 total when combined with the required Biology and Anthropology courses:

BIOL 323, 322 or 324, 345, 382, 410, 465, 467, 478

ANTH 308, 422, 424, 466

other electives under advisement.

Completion requirement:

ANTH: 496 Portfolio Assembly (1)

These required or elective courses will also satisfy the GUR or other Graduation Requirement:

QSR: MATH 124

ANTH 335

SSC: ANTH 201, 210

LSCI: CHEM 121, 122, 123

BIO 204, 205

ANTH 215

WP: ANTH 350, 411, 423, 424, 440, 456, 457, 464, 466, 471