BACHELOR OF SCIENCE WITH A MAJOR IN BIOLOGICAL ANTHROPOLOGY

GW's Biological Anthropology program emphasizes coursework on human evolution, human anatomy, and primatology. You will not only be engaged intellectually but will also be well poised for your career with preparation to work in a range of academic settings, including universities and museums or to pursue a career in medicine, public health, and psychology. GW has always had a strong focus in biological anthropology, which is supported by our close connections with the Smithsonian Institution’s National Museum of Natural History. Here you’ll have access to one of the world’s greatest collections of hominoid fossils and skeletal specimens.

Visit the program website (https://anthropology.columbian.gwu.edu/bs-biological-anthropology/) for more information.

ADMISSIONS

For information about the admission process, including deadlines, visit the Office of Undergraduate Admissions website (https://undergraduate.admissions.gwu.edu/). Applications can be submitted via the Common Application (https://go.gwu.edu/commonapp/).

Supporting documents not submitted online should be mailed to:

Office of Undergraduate Admissions
The George Washington University
800 21st St NW Suite 100
Washington, DC 20052

For questions visit undergraduate.admissions.gwu.edu/contact-us (http://undergraduate.admissions.gwu.edu/contact-us/).

REQUIREMENTS

The following requirements must be fulfilled:

The general requirements stated under Columbian College of Arts and Sciences, Undergraduate Programs (https://bulletin.gwu.edu/arts-sciences/#degreeregulationtext).

Program-specific curriculum:

The following requirements must be fulfilled: 51 credits, including 21 credits in introductory courses and 40 additional credits in required courses for the major.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ANTH 1001</td>
<td>Biological Anthropology</td>
<td></td>
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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANTH 1002</td>
<td>Sociocultural Anthropology</td>
<td></td>
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<tr>
<td>ANTH 1002W</td>
<td>Sociocultural Anthropology</td>
<td></td>
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<tr>
<td>ANTH 1003</td>
<td>Archaeology</td>
<td></td>
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<tr>
<td>ANTH 1004</td>
<td>Language in Culture and Society</td>
<td></td>
</tr>
<tr>
<td>BISC 1111</td>
<td>Introductory Biology: Cells and Molecules</td>
<td></td>
</tr>
<tr>
<td>BISC 1112</td>
<td>Introductory Biology: The Biology of Organisms</td>
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</tbody>
</table>

Additional required courses for the major

12 credits in courses selected from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ANTH 2406</td>
<td>Human Evolutionary Genetics</td>
<td></td>
</tr>
<tr>
<td>ANTH 3401</td>
<td>Human Functional Anatomy</td>
<td></td>
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<tr>
<td>ANTH 3402</td>
<td>Human Evolutionary Anatomy</td>
<td></td>
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<tr>
<td>ANTH 3403</td>
<td>Forensic Anthropology Laboratory</td>
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<tr>
<td>ANTH 3404</td>
<td>Human Variation</td>
<td></td>
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<tr>
<td>ANTH 3406</td>
<td>Advanced Human Osteology</td>
<td></td>
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<tr>
<td>ANTH 3407</td>
<td>Conservation in a Changing World: Human and Animal Behavior</td>
<td></td>
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<tr>
<td>ANTH 3408</td>
<td>The Evolution of Human Families</td>
<td></td>
</tr>
<tr>
<td>ANTH 3409</td>
<td>Evolution of Primate Life Histories</td>
<td></td>
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<tr>
<td>ANTH 3411</td>
<td>Primatology</td>
<td></td>
</tr>
<tr>
<td>ANTH 3412</td>
<td>Hominin Evolution</td>
<td></td>
</tr>
<tr>
<td>ANTH 3413</td>
<td>Evolution of the Human Brain</td>
<td></td>
</tr>
<tr>
<td>ANTH 3491</td>
<td>Topics in Biological Anthropology</td>
<td></td>
</tr>
<tr>
<td>ANTH 3802</td>
<td>Human Cultural Beginnings</td>
<td></td>
</tr>
<tr>
<td>ANTH 3802W</td>
<td>Human Cultural Beginnings</td>
<td></td>
</tr>
<tr>
<td>ANTH 3832</td>
<td>Paleoanthropological Field Program</td>
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</tbody>
</table>

9 credits in biology (BISC) courses numbered 2000 or above, including at least one course from each of the following three categories:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BISC 2202</td>
<td>Cell Biology</td>
<td></td>
</tr>
<tr>
<td>BISC 2207</td>
<td>Genetics</td>
<td></td>
</tr>
</tbody>
</table>

Bachelor of Science with a Major in Biological Anthropology
### BISC 2208
Genetics Laboratory

### BISC 2213
Biology of Cancer

### BISC 2214
Developmental Biology

### BISC 2220
Developmental Neurobiology

### BISC 3209
Molecular Biology

### BISC 3210
Nanobiotechnology

### BISC 3211
Nanobiotechnology Laboratory

### BISC 3212
Immunology

### BISC 3261
Introductory Medical Biochemistry

### BISC 3262
Biochemistry Laboratory

### BISC 3263
Special Topics in Biochemistry

#### Organismal/sub-organismal biology

### BISC 2320
Neural Circuits and Behavior

### BISC 2332
Comparative Vertebrate Anatomy

### BISC 2333
Evolution and Extinction of Dinosaurs

### BISC 2334W
Integrative Biology of Fishes

### BISC 2337
Introductory Microbiology Laboratory

### or BISC 2337W
Introductory Microbiology

### BISC 2339
Parasitology

### BISC 3122
Human Physiology

### BISC 3320
Human Neurobiology

#### Ecology/evolution

### BISC 2581
Human Gross Anatomy

### BISC 2450
Organic Evolution

### BISC 2451
History of Life

### BISC 2452
Animal Behavior

### BISC 2454
General Ecology

### BISC 3458
Plant Comparative Structure and Function

### BISC 3460
Conservation Biology

### BISC 3461
Plant-Animal Interactions

### BISC 3462
Plant-Animal Interactions Laboratory

### BISC 3463
Ecological and Evolutionary Genetics

### BISC 3464
Ecology and Evolution of Societies

One course selected from the following:

#### CHEM 1111
General Chemistry I

#### CHEM 1112
General Chemistry II

#### CHEM 2085
Environmental Chemistry

#### CHEM 3140
Geochemistry

#### CHEM 3165
Biochemistry I

#### CHEM 3166
Biochemistry II

#### PSYC 2014
Cognitive Psychology

#### PSYC 2015
Biological Psychology

#### PSYC 3112
Psychology of Adolescence

#### PSYC 3118
Neuropsychology

### BISC 1005
The Biology of Nutrition and Health

### BISC 1007
Food, Nutrition, and Service

### BISC 1006
The Ecology and Evolution of Organisms

### or BISC 1008
Understanding Organisms through Service Learning

### GEOL 1001
Physical Geology

### GEOL 1002
Historical Geology

### GEOL 1005
Environmental Geology

### STAT 1127
Statistics for the Biological Sciences

6 credits in anthropology (ANTH) courses numbered 2000 and above, excluding courses in the 3400 range, ANTH 3802, and ANTH 3832.

**Note:** The major in biological anthropology cannot be pursued in conjunction with the major in anthropology.

### GENERAL EDUCATION

In addition to the University General Education Requirement ([https://bulletin.gwu.edu/university-regulations/general-education/](https://bulletin.gwu.edu/university-regulations/general-education/)), undergraduate students in Columbian College must complete a further, College-specific general education curriculum—Perspective, Analysis, Communication (G-PAC) ([https://bulletin.gwu.edu/arts-sciences/gpac/](https://bulletin.gwu.edu/arts-sciences/gpac/)) as well as the course CCAS 1001 First-Year Experience. Together with the University General Education Requirement, G-PAC engages students in active intellectual inquiry across the liberal arts. Students achieve a set of learning outcomes that enhance their analytical skills, develop their...
communication competencies, and invite them to participate as responsible citizens who are attentive to issues of culture, diversity, and privilege.

Coursework for the University General Education Requirement is distributed as follows:

- One course in critical thinking in the humanities.
- Two courses in critical thinking, quantitative reasoning, or scientific reasoning in the social sciences.
- One course that has an approved oral communication component.
- One course in quantitative reasoning (must be in mathematics or statistics).
- One course in scientific reasoning (must be in natural and/or physical laboratory sciences).
- UW 1020 (https://bulletin.gwu.edu/search/?P=UW%201020) University Writing (4 credits).
- After successful completion of UW 1020, 6 credits distributed over at least two writing in the discipline (WID) courses taken in separate semesters. WID courses are designated by a "W" appended to the course number.

Coursework for the CCAS G-PAC requirement is distributed as follows:

- Arts—one approved arts course that involves the study or creation of artwork based on an understanding or interpretation of artistic traditions or knowledge of art in a contemporary context.
- Global or cross-cultural perspective—one approved course that analyzes the ways in which institutions, practices, and problems transcend national and regional boundaries.
- Local or civic engagement—one approved course that develops the values, ethics, disciplines, and commitment to pursue responsible public action.
- Natural or physical science—one additional approved laboratory course that employs the process of scientific inquiry (in addition to the one course in this category required by the University General Education Requirement).
- Humanities—one additional approved humanities course that involves critical thinking skills (in addition to the one course in this category required by the University General Education Requirement).
- CCAS 1001 First-Year Experience

Certain courses are approved to fulfill G-PAC requirements in more than one category.

Courses taken in fulfillment of G-PAC requirements may also be counted toward majors or minors. Transfer courses taken prior to, but not after, admission to George Washington University may count toward the University General Education Requirement and G-PAC, if those transfer courses are equivalent to GW courses that have been approved by the University and the College.

Lists of approved courses in the above categories are included on each undergraduate major’s (https://bulletin.gwu.edu/arts-sciences/#majorstext) page in this Bulletin.

SPECIAL HONORS

In addition to the general requirements stated under University Regulations, in order to be considered for graduation with Special Honors in anthropology, archaeology, or biological anthropology, a major have a grade-point average of 3.5 or better in courses required for the major, register for 3 credits of ANTH 3995 Undergraduate Research, and write a paper of special distinction arising out of a program of directed reading or research. Students must confer with an advisor before beginning the work.

COMBINED PROGRAMS

Combined programs

- Bachelor of Science with a major in biological anthropology and Master of Arts in the field of anthropology (https://bulletin.gwu.edu/arts-sciences/anthropology/dual-bs-biological-anthropology-ma-anthropology/)
- Bachelor of Science with a major in biological anthropology and Master of Science in the field of human paleobiology (https://bulletin.gwu.edu/arts-sciences/anthropology/dual-bs-biological-anthropology-ms-human-paleobiology/)