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 more information on the admission process, please visit the Office of Undergraduate Admissions website (https://undergraduate.admissions.gwu.edu/). Applications may 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 Street NW, Suite 100
Washington DC 20052

Contact for questions: gwadm@gwu.edu or 202-994-6040

REQUIREMENTS

The following requirements must be fulfilled:

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

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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<tbody>
<tr>
<td>ANTH 1001</td>
<td>Biological Anthropology</td>
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<tr>
<td>ANTH 1002</td>
<td>Sociocultural Anthropology</td>
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<td>or ANTH 1002W</td>
<td>Sociocultural Anthropology</td>
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<tr>
<td>ANTH 1003</td>
<td>Archaeology</td>
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<td>ANTH 1004</td>
<td>Language in Culture and Society</td>
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<tr>
<td>BISC 1111</td>
<td>Introductory Biology: Cells and Molecules</td>
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<tr>
<td>BISC 1112</td>
<td>Introductory Biology: The Biology of Organisms</td>
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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANTH 1006</td>
<td>Human Evolutionary Genetics</td>
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<tr>
<td>ANTH 3401</td>
<td>Human Functional Anatomy</td>
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<td>ANTH 3402</td>
<td>Human Evolutionary Anatomy</td>
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<td>ANTH 3403</td>
<td>Forensic Anthropology Laboratory</td>
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<td>ANTH 3404</td>
<td>Human Variation</td>
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<td>ANTH 3406</td>
<td>Advanced Human Osteology</td>
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<td>ANTH 3407</td>
<td>Conservation in a Changing World: Human and Animal Behavior</td>
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<td>ANTH 3408</td>
<td>The Evolution of Human Families</td>
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<td>ANTH 3409</td>
<td>Evolution of Primate Life Histories</td>
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<td>ANTH 3411</td>
<td>Primatology</td>
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<tr>
<td>ANTH 3412</td>
<td>Hominin Evolution</td>
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<td>or ANTH 3412W</td>
<td>Hominin Evolution</td>
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<tr>
<td>ANTH 3413</td>
<td>Evolution of the Human Brain</td>
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<tr>
<td>ANTH 3491</td>
<td>Topics in Biological Anthropology</td>
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<tr>
<td>ANTH 3802</td>
<td>Human Cultural Beginnings</td>
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<td>or ANTH 3802W</td>
<td>Human Cultural Beginnings</td>
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<tr>
<td>ANTH 3832</td>
<td>Paleoanthropological Field Program</td>
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9 credits in biology (BISC) courses numbered 2000 or above, including at least one course from each of the following three categories:

Cell/molecular biology
<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>BISC 2202</td>
<td>Cell Biology</td>
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<td>BISC 2207</td>
<td>Genetics</td>
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<td>BISC 2208</td>
<td>Genetics Laboratory</td>
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<td>BISC 2213</td>
<td>Biology of Cancer</td>
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<tr>
<td>BISC 2214</td>
<td>Developmental Biology</td>
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<tr>
<td>BISC 2220</td>
<td>Developmental Neurobiology</td>
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<tr>
<td>BISC 3209</td>
<td>Molecular Biology</td>
</tr>
<tr>
<td>BISC 3210</td>
<td>Nanobiotechnology</td>
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<tr>
<td>BISC 3211</td>
<td>Nanobiotechnology Laboratory</td>
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<tr>
<td>BISC 3212</td>
<td>Immunology</td>
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<tr>
<td>BISC 3261</td>
<td>Introductory Medical Biochemistry</td>
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<tr>
<td>BISC 3262</td>
<td>Biochemistry Laboratory</td>
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<tr>
<td>BISC 3263</td>
<td>Special Topics in Biochemistry</td>
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<tr>
<td></td>
<td>Organismal/sub-organismal biology</td>
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<tr>
<td>BISC 2320</td>
<td>Neural Circuits and Behavior</td>
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<tr>
<td>BISC 2332</td>
<td>Comparative Vertebrate Anatomy</td>
</tr>
<tr>
<td>BISC 2333</td>
<td>Evolution and Extinction of Dinosaurs</td>
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<tr>
<td>BISC 2334W</td>
<td>Integrative Biology of Fishes</td>
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<tr>
<td>BISC 2337</td>
<td>Introductory Microbiology Laboratory</td>
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<tr>
<td>BISC 2339</td>
<td>Parasitology</td>
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<tr>
<td>BISC 3122</td>
<td>Human Physiology</td>
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<td>BISC 3320</td>
<td>Human Neurobiology</td>
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<td>Ecology/evolution</td>
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<tr>
<td>BISC 2581</td>
<td>Human Gross Anatomy</td>
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<td>BISC 2450</td>
<td>Organic Evolution</td>
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<tr>
<td>BISC 2451</td>
<td>History of Life</td>
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<td>BISC 2452</td>
<td>Animal Behavior</td>
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<td>BISC 2454</td>
<td>General Ecology</td>
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<td>BISC 3458</td>
<td>Plant Comparative Structure and Function</td>
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<td>BISC 3460</td>
<td>Conservation Biology</td>
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<tr>
<td>BISC 3461</td>
<td>Plant-Animal Interactions</td>
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<td>BISC 3462</td>
<td>Plant-Animal Interactions Laboratory</td>
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<tr>
<td>BISC 3463</td>
<td>Ecological and Evolutionary Genetics</td>
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<tr>
<td>BISC 3464</td>
<td>Ecology and Evolution of Societies</td>
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</table>

One course selected from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CHEM 1111</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHEM 1112</td>
<td>General Chemistry II</td>
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<tr>
<td>CHEM 2085</td>
<td>Environmental Chemistry</td>
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<tr>
<td>CHEM 3140</td>
<td>Geochemistry</td>
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<td>or GEOL 3140</td>
<td>Geochemistry</td>
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<tr>
<td>CHEM 3165</td>
<td>Biochemistry I</td>
</tr>
<tr>
<td>CHEM 3166</td>
<td>Biochemistry II</td>
</tr>
<tr>
<td>PSYC 2014</td>
<td>Cognitive Psychology</td>
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<tr>
<td>PSYC 2015</td>
<td>Biological Psychology</td>
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<tr>
<td>PSYC 3112</td>
<td>Psychology of Adolescence</td>
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<tr>
<td>PSYC 3118</td>
<td>Neuropsychology</td>
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<tr>
<td>BISC 1005</td>
<td>The Biology of Nutrition and Health</td>
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<tr>
<td>or BISC 1007</td>
<td>Food, Nutrition, and Service</td>
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<tr>
<td>BISC 1006</td>
<td>The Ecology and Evolution of Organisms</td>
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<tr>
<td>or BISC 1008</td>
<td>Understanding Organisms through Service Learning</td>
</tr>
<tr>
<td>GEOL 1001</td>
<td>Physical Geology</td>
</tr>
<tr>
<td>or GEOL 1005</td>
<td>Environmental Geology</td>
</tr>
<tr>
<td>GEOL 1002</td>
<td>Historical Geology</td>
</tr>
<tr>
<td>STAT 1127</td>
<td>Statistics for the Biological Sciences</td>
</tr>
</tbody>
</table>

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 (http://bulletin.gwu.edu/university-regulations/general-education/#text), undergraduate students in Columbian College must complete a further, College-specific general education curriculum—Perspective, Analysis, Communication, or G-PAC (http://bulletin.gwu.edu/arts-
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.

G-PAC approved courses, Dean’s Seminars, and Sophomore Colloquia that may be available for registration are listed on the CCAS Advising website (https://advising.columbian.gwu.edu/general-education-courses/).

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

- **Writing**—one approved course in university writing and two approved writing in the disciplines (WID) courses.
- **Humanities**—one approved course in the humanities that involves critical or creative thinking skills.
- **Mathematics or Statistics**—one approved course in either mathematics or statistics.
- **Natural or Physical Science**—one approved laboratory course that employs the process of scientific inquiry.
- **Social Sciences**—two approved courses in the social sciences.

Coursework for the Columbian College general education curriculum is distributed as follows:

- **Arts**—one approved course in the arts 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.
- **Humanities**—one approved course in the humanities that involves critical thinking skills (in addition to the one course in this category required by the University General Education Requirement).
- **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 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).
- **Oral Communication**—one course in oral communication.

Certain courses are approved to fulfill the requirement in more than one of these categories.

Courses taken in fulfillment of G-PAC also may 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.

**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 PROGRAM**

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