**BACHELOR OF SCIENCE WITH A MAJOR IN BIOLOGICAL ANTHROPOLOGY**

**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/#degreeregulationtext).

Program-specific curriculum:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Introductory courses (21 credits):</strong></td>
<td></td>
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<tr>
<td>ANTH 1001</td>
<td>Biological Anthropology</td>
<td></td>
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<tr>
<td>ANTH 1002</td>
<td>Sociocultural Anthropology</td>
<td></td>
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<tr>
<td>or ANTH 1002W</td>
<td>Sociocultural Anthropology</td>
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<tr>
<td>ANTH 1003</td>
<td>Archaeology</td>
<td></td>
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<td>ANTH 1004</td>
<td>Language in Culture and Society</td>
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<tr>
<td>BISC 1115 &amp; BISC 1125</td>
<td>Introductory Biology: Cells and Molecules and Introduction to Cells and Molecules Laboratory</td>
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<tr>
<td>BISC 1116 &amp; BISC 1126</td>
<td>Introductory Biology: The Biology of Organisms and Introduction to Organisms Laboratory</td>
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<tr>
<th>Code</th>
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<tbody>
<tr>
<td><strong>12 credits from the following:</strong></td>
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<tr>
<td>ANTH 2406</td>
<td>Human Evolutionary Genetics</td>
<td></td>
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<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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<tr>
<td>or ANTH 3412W</td>
<td>Hominin Evolution</td>
<td></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 of biology (BISC) courses numbered 2000 or above, including at least one course from each of the following categories:

Cell/molecular biology

- BISC 2202 | Cell Biology                                           |
- BISC 2207 | Genetics                                                |
- 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 3218 | Histology                                               |
- BISC 2320 | Neural Circuits and Behavior                            |
- BISC 2322 | Human Physiology                                        |
| or BISC 2322W | Human Physiology                              |         |
- BISC 2330 | Invertebrate Zoology                                   |
- BISC 2332 | Comparative Vertebrate Anatomy                         |
- BISC 2333 | Evolution and Extinction of Dinosaurs                  |

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BISC 2334W Integrative Biology of Fishes
BISC 2337 Introductory Microbiology
or BISC 2337W Introductory Microbiology
BISC 2339 Parasitology
BISC 3320 Human Neurobiology
BISC 3321 Comparative Endocrinology
BISC 3325 Environmental Physiology
Ecology/evolution
BISC 2450 Organic Evolution
BISC 2451 History of Life
BISC 2452 General 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 from the following:
CHEM 1111 General Chemistry I
CHEM 1112 General Chemistry II
CHEM 2085 Environmental Chemistry
CHEM 3140 Geochemistry
or GEOL 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
or BISC 1007 Food, Nutrition, and Service

BISC 2337 The Ecology and Evolution of Organisms
or BISC 2337W Understanding Organisms through Service Learning
GEOL 1001 Physical Geology
or GEOL 1005 Environmental Geology
GEOL 1002 Historical Geology
STAT 1127 Statistics for the Biological Sciences

6 credits of anthropology (ANTH) courses numbered 2000 or above but not including courses in the 3400–3499 or the 3802 or 3832 range

Note: The major in biological anthropology may not be pursued in conjunction with the major in anthropology.

*Honors Program students and those who have been invited to join the Scholars in Quantitative and Natural Sciences (SQNS) Program take BISC 1120 instead of BISC 1125 for the lab component.

GENERAL EDUCATION

In addition to the University General Education Requirement, undergraduate students in Columbian College must complete a further, College-specific general education curriculum—Perspective, Analysis, Communication, or G-PAC. 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.