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>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 1001</td>
<td>Biological Anthropology</td>
<td></td>
</tr>
<tr>
<td>ANTH 1002</td>
<td>Sociocultural Anthropology</td>
<td></td>
</tr>
<tr>
<td>or ANTH 1002W</td>
<td>Sociocultural Anthropology</td>
<td></td>
</tr>
<tr>
<td>ANTH 1003</td>
<td>Archaeology</td>
<td></td>
</tr>
<tr>
<td>ANTH 1004</td>
<td>Language in Culture and Society</td>
<td></td>
</tr>
<tr>
<td>BISC 1115 &amp; BISC 1125</td>
<td>Introductory Biology: Cells and Molecules and Introduction to Cells and Molecules Laboratory</td>
<td></td>
</tr>
<tr>
<td>BISC 1116 &amp; BISC 1126</td>
<td>Introductory Biology: The Biology of Organisms and Introduction to Organisms Laboratory</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</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>
</tr>
<tr>
<td>ANTH 3402</td>
<td>Human Evolutionary Anatomy</td>
<td></td>
</tr>
<tr>
<td>ANTH 3403</td>
<td>Forensic Anthropology Laboratory</td>
<td></td>
</tr>
<tr>
<td>ANTH 3404</td>
<td>Human Variation</td>
<td></td>
</tr>
<tr>
<td>ANTH 3406</td>
<td>Advanced Human Osteology</td>
<td></td>
</tr>
<tr>
<td>ANTH 3407</td>
<td>Conservation in a Changing World: Human and Animal Behavior</td>
<td></td>
</tr>
<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>
</tr>
<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>or ANTH 3412W</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>or ANTH 3802W</td>
<td>Human Cultural Beginnings</td>
<td></td>
</tr>
<tr>
<td>ANTH 3832</td>
<td>Paleoanthropological Field Program</td>
<td></td>
</tr>
</tbody>
</table>

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 2318 | 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
### Bachelor of Science with a Major in Biological Anthropology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BISC 2334W</td>
<td>Integrative Biology of Fishes</td>
</tr>
<tr>
<td>BISC 2337</td>
<td>Introductory Microbiology</td>
</tr>
<tr>
<td>or BISC 2337W</td>
<td>Introductory Microbiology</td>
</tr>
<tr>
<td>BISC 2339</td>
<td>Parasitology</td>
</tr>
<tr>
<td>BISC 3320</td>
<td>Human Neurobiology</td>
</tr>
<tr>
<td>BISC 3321</td>
<td>Comparative Endocrinology</td>
</tr>
<tr>
<td>BISC 3325</td>
<td>Environmental Physiology</td>
</tr>
<tr>
<td>Ecology/evolution</td>
<td></td>
</tr>
<tr>
<td>BISC 2450</td>
<td>Organic Evolution</td>
</tr>
<tr>
<td>BISC 2451</td>
<td>History of Life</td>
</tr>
<tr>
<td>BISC 2452</td>
<td>Animal Behavior</td>
</tr>
<tr>
<td>BISC 2454</td>
<td>General Ecology</td>
</tr>
<tr>
<td>BISC 3458</td>
<td>Plant Comparative Structure and Function</td>
</tr>
<tr>
<td>BISC 3460</td>
<td>Conservation Biology</td>
</tr>
<tr>
<td>BISC 3461</td>
<td>Plant-Animal Interactions</td>
</tr>
<tr>
<td>BISC 3462</td>
<td>Plant-Animal Interactions Laboratory</td>
</tr>
<tr>
<td>BISC 3463</td>
<td>Ecological and Evolutionary Genetics</td>
</tr>
<tr>
<td>BISC 3464</td>
<td>Ecology and Evolution of Societies</td>
</tr>
</tbody>
</table>

**One course from the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1111</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHEM 1112</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CHEM 2085</td>
<td>Environmental Chemistry</td>
</tr>
<tr>
<td>CHEM 3140</td>
<td>Geochemistry</td>
</tr>
<tr>
<td>or GEOL 3140</td>
<td>Geochemistry</td>
</tr>
<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>
</tr>
<tr>
<td>PSYC 2015</td>
<td>Biological Psychology</td>
</tr>
<tr>
<td>PSYC 3112</td>
<td>Psychology of Adolescence</td>
</tr>
<tr>
<td>PSYC 3118</td>
<td>Neuropsychology</td>
</tr>
<tr>
<td>BISC 1005</td>
<td>The Biology of Nutrition and Health</td>
</tr>
<tr>
<td>or BISC 1007</td>
<td>Food, Nutrition, and Service</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BISC 1006</td>
<td>The Ecology and Evolution of Organisms</td>
</tr>
<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 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

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

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.

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.

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

**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.