

ARCHAEOLOGICAL SCIENCE, B.S.

Begin Campus: Any Penn State Campus

End Campus: University Park

PROGRAM CURRENTLY ON HOLD; NOT ACCEPTING NEW STUDENTS

Begin Date of Enrollment Hold: April 12, 2018

Program Description

The Bachelor of Science degree in Archaeological Science is offered by the Archaeology Program in the Department of Anthropology.

This degree provides the opportunity to develop a strong foundation in research methods, quantification, field methods, and laboratory science. It prepares students with the skills and competencies needed to pursue careers in cultural resource management. Students contemplating futures in nonacademic archaeology should consider this degree or some of its recommended courses.

What is Archaeological Science?

Archaeological Science is a subfield within Anthropology concerned with the study of human cultural variation in the past in order to understand culture change through time. Archaeology explores the economic, political, social, and ecological frameworks of past societies, the interactions among these past societies, and how societies change over time.

You Might Like This Program If...

- You are interested in human cultures and cultural variation in the past.
- You want to study important questions such as 'what was life like in the past?' and 'when and why did humans domesticate plants and animals?'
- You are interested in understanding how humans interacted with the environment throughout human history.
- You want to pursue a career in archaeological research, museum curation, or cultural resource management.

Entrance to Major

In order to be eligible for entrance to this major, a student must:

1. attain at least a C (2.00) cumulative grade-point average for all courses taken at the University; and
2. have third-semester classification (http://www.registrar.psu.edu/registration/semester_classification.cfm).

READ SENATE POLICY 37-30: ENTRANCE TO AND CHANGES IN MAJOR PROGRAMS OF STUDY (<http://senate.psu.edu/policies-and-rules-for-undergraduate-students/37-00-entrance-to-a-college-or-major>)

Degree Requirements

For the Bachelor of Science degree in Archaeological Science, a minimum of 120 credits is required:

Requirement	Credits
General Education	45
Electives	15
Requirements for the Major	70

10 of the 45 credits for General Education are included in Requirements for the Major. This includes: 4 credits of GQ courses; 6 credits of GN courses.

Per Senate Policy 83-80.5, the college dean or campus chancellor and program faculty may require up to 24 credits of coursework in the major to be taken at the location or in the college or program where the degree is earned. For more information, check the Recommended Academic Plan for your intended program.

General Education

Connecting career and curiosity, the General Education curriculum provides the opportunity for students to acquire transferable skills necessary to be successful in the future and to thrive while living in interconnected contexts. General Education aids students in developing intellectual curiosity, a strengthened ability to think, and a deeper sense of aesthetic appreciation. These are requirements for all baccalaureate students and are often partially incorporated into the requirements of a program. For additional information, see the General Education Requirements (<http://bulletins.psu.edu/undergraduate/general-education/baccalaureate-degree-general-education-program>) section of the Bulletin and consult your academic adviser.

The keystone symbol appears next to the title of any course that is designated as a General Education course. Program requirements may also satisfy General Education requirements and vary for each program.

Foundations (grade of C or better is required.)

- **Quantification (GQ):** 6 credits
- **Writing and Speaking (GWS):** 9 credits

Knowledge Domains

- **Arts (GA):** 6 credits
- **Health and Wellness (GHW):** 3 credits
- **Humanities (GH):** 6 credits
- **Social and Behavioral Sciences (GS):** 6 credits
- **Natural Sciences (GN):** 9 credits

Integrative Studies (may also complete a Knowledge Domain requirement)

- **Inter-Domain or Approved Linked Courses:** 6 credits

University Degree Requirements

First Year Engagement

All students enrolled in a college or the Division of Undergraduate Studies at University Park, and the World Campus are required to take 1 to 3 credits of the First-Year Seminar, as specified by their college First-Year Engagement Plan.

Other Penn State colleges and campuses may require the First-Year Seminar; colleges and campuses that do not require a First-Year Seminar provide students with a first-year engagement experience.

First-year baccalaureate students entering Penn State should consult their academic adviser for these requirements.

Cultures Requirement

6 credits are required and may satisfy other requirements

- United States Cultures: 3 credits
- International Cultures: 3 credits

Writing Across the Curriculum

3 credits required from the college of graduation and likely prescribed as part of major requirements.

Total Minimum Credits

A minimum of 120 degree credits must be earned for a baccalaureate degree. The requirements for some programs may exceed 120 credits. Students should consult with their college or department adviser for information on specific credit requirements.

Quality of Work

Candidates must complete the degree requirements for their major and earn at least a 2.00 grade-point average for all courses completed within their degree program.

Limitations on Source and Time for Credit Acquisition

The college dean or campus chancellor and program faculty may require up to 24 credits of course work in the major to be taken at the location or in the college or program where the degree is earned. Credit used toward degree programs may need to be earned from a particular source or within time constraints (see Senate Policy 83-80 (<http://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#83-80>)). For more information, check the Suggested Academic Plan for your intended program.

Requirements for the Major

A grade of C or better is required for all courses in the major. To graduate, a student enrolled in the major must earn at least a C grade in each course designated by the major as a C-required course, as specified by Senate Policy 82-44 (<http://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#82-44>).

Code	Title	Credits
Prescribed Courses		
<i>Prescribed Courses: Require a grade of C or better</i>		
ANTH 2N	World Archaeology	3
ANTH 11	Introductory North American Archaeology	3
ANTH 21	Introductory Biological Anthropology	3
ANTH 45N	Cultural Diversity: A Global Perspective	3
ANTH 421	Intro to Geospatial Science in Anthropology and Archaeology	3
ANTH 423	The Evolution of American Indian Culture	3
ANTH 428	Archaeological Methods and Theory	3
ANTH 433	Archaeological Ethics and Law	3
ANTH 492	Intermediate Field Methods	3
ANTH 493	Field Techniques	3
GEOSC 1	Physical Geology	3
SOILS 101	Introductory Soil Science	3
STAT 200	Elementary Statistics	4
Additional Courses		
<i>Additional Courses: Require a grade of C or better</i>		
Select 9 additional Archaeology credits from the following ranges:		9
ANTH 320-339		

ANTH 420-439		
Select an additional 18 credits in ANTH electives ¹		18
GEOSC 320	Geology of Climate Change	3
or SOILS 416	Soil Genesis, Classification, and Mapping	

¹ Select 18 credits in ANTH electives other than ANTH 1 and no more than 9 credits from 190-199, 290-299, 390-399, 490-499, other than ANTH 297 and ANTH 497.

Integrated B.S. in Archaeological Science and B.A. in Classics and Ancient Mediterranean Studies/M.A. in Anthropology Degree Requirements

The Department of Anthropology offers an integrated B.A./B.S./M.A. (IUG) program designed to allow academically superior students to obtain a B.A. or B.S. degree in Anthropology, a B.A. degree in Classics and Ancient Mediterranean Studies (CAMS), a B.S. degree in Archaeological Science and a M.A. degree in Anthropology in five years of study. To complete the program in five years, students interested in the Integrated Undergraduate and Graduate degree in Anthropology must apply for admission to the Graduate School and the Integrated B.S./M.S. Program by the end of their junior year.

During the first three years, the student will follow course scheduling for the B.A. degree in CAMS and either the B.A. degree in Anthropology or the B.S. degree in Archaeological Science. Students who intend to enter the IUG program are encouraged to take upper level classes during their first three years whenever appropriate. By the end of the junior year, students normally apply for admission to both the IUG program and to the Graduate School. Acceptance decisions will be made prior to the beginning of the senior year and M.A. advisers will be appointed for successful applicants. During the senior year, IUG students follow the scheduling of the selected options for their B.A. or B.S. majors, with an emphasis on completing 500-level course work as appropriate. During the senior year, IUG students will start work on their thesis research to meet the M.A. thesis requirements. During the fifth year, IUG students take courses fulfilling the M.A. degree requirements and complete their M.A. thesis.

Admission Requirements

Students who wish to complete the Integrated Undergraduate and Graduate Program in Anthropology should apply for admission to both the Graduate School and the IUG Anthropology Program no later than the end of their junior year. Successful students will be admitted formally into the graduate program in Anthropology just prior to their senior year, if their progress has been satisfactory. Admission prior to the senior year is also possible in some unusual circumstances. In all cases, admission to the program will be at the discretion of the joint Anthropology-CAMS admission committee. Criteria for admission include a minimum overall GPA of 3.4 in their majors, strong recommendation letters from faculty, and an excellent proposal for a research project with a specific adviser who has agreed to guide the student through to the completion of the M.A. thesis.

Graduate Coursework

Required Courses

Code	Title	Credits
Anthropology		
ANTH 493	Field Techniques	3
ANTH 521	Current Literature in Archaeology	2
ANTH 545	Seminar in Anthropology	6
ANTH 588	Method and Theory in Archaeology	3
ANTH 600	Thesis Research	6
Additional Courses		
ANTH 494	Research Project	4
or CAMS 494	Research Project	
Select 6 credits of the following:		6
CAMS 592	Proseminar	
CAMS 593	Research Seminar	
CAMS 596	Individual Studies	

NOTE: Internships will be counted as elective credits.

Academic Advising

The objectives of the university's academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and out-of class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee's unit of enrollment will provide each advisee with a primary academic adviser, the information needed to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (<http://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy>)

University Park

Liberal Arts Academic Advising

814-865-2545

<http://starfish.psu.edu>

<http://www.la.psu.edu/current-students/undergraduate-students/education/majors-and-minors>

Career Paths

Graduates with a B.S. in Archaeological Science from Penn State excel in diverse professional careers including academic research, museum curator, and cultural resource management. Archaeological Science students develop strong skills in research methods, quantification, laboratory science, problem-solving, and effective oral and written communication. Students are strongly encouraged to become involved in departmental research while at Penn State to augment their training and enhance their prospects for employment or graduate study.

Careers

Possible career paths include:

- Advanced research in the field
- Museum curator
- Cultural resource management

MORE INFORMATION ABOUT POTENTIAL CAREER OPTIONS FOR GRADUATES OF THE ARCHAEOLOGICAL SCIENCE PROGRAM (<http://www.americananthro.org/AdvanceYourCareer/Content.aspx?ItemNumber=1783>)

Opportunities for Graduate Studies

Archaeological Science majors will find that their undergraduate education is excellent preparation for the advanced training required for many professions. Our majors often go on to receive specialized graduate instruction in archaeological research or museum studies.

MORE INFORMATION ABOUT OPPORTUNITIES FOR GRADUATE STUDIES (<http://www.saa.org/ForthePublic/FAQs/ForStudents/tabid/101/Default.aspx>)

Professional Resources

- Society for American Anthropology (<http://www.saa.org>)
- American Anthropological Association (<http://www.americananthro.org>)

Contact

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