The Pima Community College Centre for Archaeological Field Training has established itself as one of the leading community college archaeology programs in the United States since its founding 25 years ago. A combination of geographic location, institutional resources, and educational philosophy allowed this unique and innovative program to develop and flourish. The ability of the program to sustain itself is an outgrowth of its curriculum, appeal to a diversity of students, and pioneering efforts in using technologically sophisticated equipment for applications in archaeology.

Educational Philosophy
The Centre for Archaeological Field Training is dedicated to providing high quality undergraduate education and training in archaeology and anthropology. Students benefit from small class sizes, experienced instructors, and the resources of the Archaeology Centre. To enroll in beginning archaeology courses, no prerequisites are required. Archaeology classes may be taken without being formally associated with any of the degree programs offered. All archaeology classes are cross listed with anthropology, making it easy to transfer credit to an anthropology program at any of the state universities in Arizona, as well as most four year colleges or universities in the country.

Certificate in Field Archaeology
Training field archaeologists has been the primary mission of the Pima Community College Archaeology Centre. People who take field archaeology classes have diverse educational backgrounds and equally variable reasons for taking the courses. Some students take individual classes to develop or refresh specific skills while others are following a formal program of study as described in the certificate program outlined below. Still others are pursuing a casual interest or fascination with being part of an archaeological dig or other kind of fieldwork by taking a single class.

For either the professional or amateur archaeologist well-honed field skills are crucial to being a confident and effective member of a field crew. Today’s field archaeologist must not only master traditional methods, techniques and equipment but also be familiar with the operation of modern electronic field instruments, computers and software programs. The field classes offered through the Pima Community College Archaeology Centre emphasize developing the appropriate knowledge, skills and abilities of field archaeology through direct and extensive participation in archaeological fieldwork.

The certificate in field archaeology is designed to accommodate the diverse goals of our students who wish to go beyond taking individual classes for transfer or elective credit. Completing the certificate can prepare students for participation in a variety of fieldwork opportunities. These include volunteering in research, conservation or education oriented field projects, qualifying for entry-level employment with private sector archaeological firms, obtaining jobs with public sector agencies or institutions and gaining valuable technical or analytical skills while pursing an Associate’s, Bachelor’s or other academic degree.

In order to provide maximum flexibility for our students in structuring a program of study, a certificate can be completed with several constellations of introductory and advanced field, laboratory and lecture courses. Equivalent archaeology and anthropology courses from other institutions can be transferred to Pima Community College and applied towards the certificate or to meet prerequisites. The student supplements the core courses by choosing between the four concentration options: Artifact Fundamentals, Southwestern Cultures, Field Methods and Computer Archaeology and Cartography.
Archaeology Field Core and Certificate Options

Total Credits Needed for Certificate- 17 – 28 Credit Hours

Core Courses – The courses listed below are designed to provide education and training in the fundamentals of field archaeology as well give our students the essential academic background to effectively apply their field skills.

A grade of C or better is required for graduation.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT/ARC 101</td>
<td>Human Origins and Prehistory</td>
<td>3</td>
</tr>
<tr>
<td>ARC/GEO 265</td>
<td>Mapping Concepts</td>
<td>1</td>
</tr>
<tr>
<td>ANT/ARC 275</td>
<td>Archaeological Excavation I</td>
<td>4</td>
</tr>
<tr>
<td>ANT/ARC 276</td>
<td>Archaeological Surveying I</td>
<td>4</td>
</tr>
</tbody>
</table>

Core Course Credit Hours  
12

Certificate Options

Students elect to complete 1 or more of the options described below and can obtain a separate certificate for each option.

Artifact Fundamentals Option

Beyond the required core classes, choosing this option strengthens the student’s knowledge of artifacts and basic laboratory procedures in archaeology. Completion of this option prepares students for lab/field positions, vocational opportunities, or advanced studies in archaeology.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT/ARC 180</td>
<td>Artifact Identification</td>
<td>2</td>
</tr>
<tr>
<td>ANT/ARC 225</td>
<td>Principles of Archaeology</td>
<td>3</td>
</tr>
</tbody>
</table>

Option Credit Hours  
5

Total Credit Hours (including core courses)  
17

Southwestern Cultures Option

This option provides the student with a context for archaeology training that emphasizes the pre-modern cultures and traditions of the Southwest. Students who have completed core courses and this option will be prepared for a variety of opportunities within the Southwest including lab/field positions, vocational opportunities, or advanced studies in archaeology.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 102</td>
<td>Introduction To Cultural Anthropology and Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>or ANT 112</td>
<td>Exploring Non-Western Cultures</td>
<td>3</td>
</tr>
<tr>
<td>ANT/ARC 205</td>
<td>Introduction to Southwestern Prehistory</td>
<td>3</td>
</tr>
<tr>
<td>ANT/ARC 225</td>
<td>Principles of Archaeology</td>
<td>3</td>
</tr>
</tbody>
</table>

Option Credit Hours  
9

Total Credit Hours (including core courses)  
21
Field Methods Option

The Field Methods option allows the student to further enhance their fieldwork skills by taking advanced level field, laboratory and lecture classes. The courses offered through this option, along with the core courses, prepare students for advanced field/lab technician positions, vocational opportunities, or advanced studies in archaeology.

ANT/ARC 225 Principles of Archaeology 3
ANT/ARC 250 Archaeology Laboratory 4
ANT/ARC 277 Archaeological Excavation II 4
or ANT/ARC 278 Archaeological Surveying II 4
ANT/ARC 281 GPS Fundamentals 2
ARC Elective Elective in consultation with Archaeology faculty advisor 3

Option Credit Hours 16
Total Credit Hours (including core courses) 28

Computer Archaeology and Cartography Option

Choosing this option enables the student to obtain knowledge and skills important for spatial or locational studies in archaeology using instruments, computers and related software programs. The student is exposed to courses pertaining to desktop mapping using CAD, GIS and graphics oriented programs as well as data management. Upon completion of this option, students have the training to work as computer/lab/field technicians, assist in vocational work, or pursue advanced studies in archaeology.

ARC/GEO 267 Introduction to GIS 3
ANT/ARC 281 GPS Fundamentals 2
ANT/ARC 284 Computer Cartography and CAD 3
ANT/ARC 286 Electronic and Digital Field Mapping 4
or DAR 120 Intro. to Applied Computer Graphics 4
ARC, CIS, DAR, Elective in consultation with Archaeology faculty advisor 3
CGR Elective

Option Credit Hours 15
Total Credit Hours (including core courses) 27

Not interested in obtaining a Certificate?

You can still elect to take individual courses offered through the Archaeology Centre. We offer a wide array of courses throughout the traditional semester as well as late start, evening and weekend classes. See the Pima College Catalog or visit our Centre web site www.PimaArchaeology.org
Field and Technical Classes

ARC 180 Artifact Identification /2 cr. hr./2 periods (2 lec.)
Introduction to the recognition, identification and classification of the various types of artifacts recovered from local archaeological sites. Includes an overview of prehistoric ceramics in the Tucson Basin, chipped stone technology, ground stone tool identification, and miscellaneous artifacts.

ARC 250 Archaeology Laboratory /4cr. hrs./6periods (3 lec., 3 lab)
Prerequisite(s): ANT/ARC 101, ARC 180, or consent of instructor. Laboratory experience in the curating, processing and analysis of prehistoric and historic artifacts recovered from archaeological sites. Includes human osteology, sex and age determination techniques, zooarchaeology, lithic identification, and prehistoric ceramics.

ARC 265 Mapping Concepts /1 cr. hr./1 period (1 lec.)
Introduction to the practical use of maps. Includes fundamental cartographic concepts, terminology and exercises.

ARC 267 Introduction to Geographic Information Systems /3 cr. hrs./5 periods (2 lec., 3 lab)
Prerequisite(s): Basic computer skills. Introduction to the technology of geographic information systems. Includes the evolution of technology, system components, database concepts, applications, and implementation.

ARC 270 Archaeological Materials /1 cr. hr./1 period (1 lec.)
Prerequisite(s): Concurrent enrollment in ANT/ARC 275 or ANT/ARC 276. The handling, processing and curation of the materials acquired during field work as well as the information derived from them.

ARC 275 Archaeological Excavation I /4 cr. hrs./8 periods (2 lec., 6 lab)
Introduction to the techniques of archaeological mapping, excavation and recording. Includes field experience in southern Arizona.

ARC 276 Archaeological Surveying I /4 cr. hrs./8 periods (2 lec., 6 lab)
Prerequisite(s): ARC 180 or concurrent enrollment, or consent of instructor. Techniques and methods for recognizing, locating and recording archaeological sites. Includes fieldwork in southern Arizona.

ARC 277 Archaeological Excavation II /4 cr. hrs./8 periods (2 lec., 6 lab)
Prerequisite(s): ANT/ARC 205 or concurrent enrollment, ANT/ARC 275, GLG 101 and consent of instructor. Continuation of ANT/ARC 275. Includes advanced excavation techniques, field crew supervision, and selected field projects.

ARC 278 Archaeological Surveying II /4 cr. hrs./8 periods (2 lec., 6 lab)
Prerequisite(s): ANT/ARC 205 or concurrent enrollment, ANT/ARC 276, GLG 101, and consent of instructor. Continuation of ARC 276. Includes archival investigation, advanced field techniques, crew supervision, and selected field projects.

ARC 281 GPS Fundamentals /2 cr. hr./2 periods (2 lec.)
Prerequisite(s): CSA 101. Introduction to the use of GPS (Global Positioning Systems) receivers in a field setting for non-technical applications. Includes system configuration, data collection, and data transfer.

ARC 284 Computer Cartography and CAD /3 cr. hrs./5 periods (2 lec., 3 lab)
Prerequisite(s): ARC 265 or concurrent enrollment, CSA 101. Cartographic techniques and hardware for computer generation of maps. Includes software for cartography.

ARC 286 Electronic & Digital Field Mapping /4 cr. hrs./8 periods (2 lec., 6 lab)
Prerequisite(s): ARC 285 and consent of instructor. Continuation of ARC 285. Includes electronic surveying instruments, computerized data collection systems, and associated software for mapping archaeological sites.