Fall 2022
Undergraduate Research Apprenticeship Positions

-Areas/Concentrations for Research-

- Archaeology
- Bioarchaeology
- Environmental Social Science
- Evolutionary Anthropology
- Geology
- Global Health
- Museum Studies
- Physical Anthropology
- Social Sciences
- Sociocultural Anthropology

Students should be certain to review all positions as many opportunities are combined with one or more other concentrations or disciplines.

Highlighted positions can be completed remotely and by online students.
Research Project or Internship Title:
Deciphering differences between past rhyolitic eruptions

Academic Discipline:
Archaeology
Geology

Project Description:
This project will focus on compiling geochemical data from volcanic eruptions with rhyolitic compositions and determining whether differences between these events can be quantified. Rhyolitic eruptions are high in SiO2 (65-75 wt.%), K and Na, and low in Fe, Mg, Ca. Overall, due to the high silica content, eruptions with this composition tend to be more explosive and many distal deposits (>100 km from the source) in the archaeological record are rhyolitic. This is important because many archaeological sites rely on these volcanic deposits to correlate stratigraphic levels and date the archaeological material. However, to be used as a dating method, the volcanic deposits must be accurately sourced to a past eruption that has been independently dated. Sourcing rhyolitic deposits can be difficult and require obtaining major and trace elemental data. However, even with this data, some rhyolitic eruptions have very similar chemistries and can almost be impossible to decipher. These similarities are due to how rhyolitic magmas form, and it poses a serious issue for research in tephrochronology. Therefore, this project will compare the chemistry of rhyolitic eruptions from all over the world and quantitively demonstrate the similarities and differences between the compositions. This will be the first study to demonstrate the potential issues that can rise when sourcing rhyolitic eruptions. This is important for this field to move forward and to demonstrate the need for alternative tools when sourcing eruptions.

Student's Duties:
The student will be responsible for gathering geochemical data from published literature or various other online archives. The supervisor will direct the student to what types of online archives are best. Background readings will be assigned in the beginning of this position. The student will also be required to complete basic statistical analyses (ANOVA, MANOVA) on the compiled data.

Required Qualifications or Pre-requisites:
The student is required to have taken an introductory level geology, volcanology or chemistry course or have some field geology experience. Past experience compiling data is preferred, however, not required.

Project/Internship Location:
Remote

Hours Per Week or Days and Times Needed:
10 hours recommended

Project Supervisor:
Jayde Hirniak

Supervising Faculty:
Curtis Marean

Contact Information:
jhirniak@asu.edu
Research Project or Internship Title:
Anthropological Collections Internship

Academic Discipline:
Archaeology
Bioarchaeology
Museums
Sociocultural Anthropology
History
Cultural Resource Management

Project Description:
This hands-on internship is ideal for students who are interested in working in museums or cultural resource management, and those who would like to gain experience with material culture collections (ethnographic, archaeological, bioarchaeological, and archival) and federal compliance for the Native American Graves Protection and Repatriation Act (NAGPRA). Interns will learn museum collections practices relating to the documentation, cataloguing, and care of anthropological items by working with the anthropology collections curated at ASU. Additionally, interns will participate in weekly reading discussions of critical topics related to the care of and Indigenous concerns with anthropological collections, and NAGPRA topics. Most of the anthropological collections housed at ASU and cared for by the Center for Archaeology & Society Repository come from Arizona and New Mexico. SHEC is committed to the respectful and expedite return of ancestors and their belongings, sacred objects, and objects of cultural patrimony. Interns, whether assigned to curation, NAGPRA, or archives, will contribute to social justice efforts centered at the Repository and learn necessary skills for careers in NAGPRA, museums, and cultural resource management.

Student’s Duties:
Student will be working closely with faculty, graduate, and advanced undergraduate supervisors in assisting with care, curation, and possible repatriation of Anthropology Collections. Please indicate your areas of interest on your application (you may choose more than one).
1) If students are interested in working with the archaeological collections, they will gain experience with a variety of ceramic, lithic, groundstone, and ornaments recovered from archaeological excavations. These projects have associated archives including field notes, laboratory analyses, photographs, maps, and reports. The students will help to create permanent records in the catalog database. To do this they will learn how to catalog, categorize and describe artifacts, label, and photograph artifacts and objects. Transitioning artifacts to archival packing and preparing appropriate curation spaces are part of the activities.
2) If students are interested in assisting with NAGPRA repatriation, they will gain experience with the documentation, proper care, and transfer of NAGPRA related collections. Students will assist with documenting and rehousing NAGPRA relevant objects. Students will familiarize themselves with the archaeological and cultural contexts by reading archival documents,
including archaeological field notes, reports, and publications. Due to the sensitive nature of repatriation, students will be assigned to tasks according to their comfort level and experience.

3) If students are interested in working with archives, they will gain experience with professional and research materials related to projects and collections. Students will learn the basic principles of sorting, inventorying, arranging, describing, preserving and re-housing archival materials.

**Required Qualifications or Pre-requisites:**
There are no pre-requisites for this internship. This internship is ideal for students looking to gain experience with material culture collections in the field of anthropology. We are looking for students with the following personal qualities: punctuality, ability to commit to and keep a regular schedule, attention to detail in record keeping, a sense of curiosity and a desire to learn.

**Project/Internship Location:**
Internship activities and the weekly reading group are located in the Repository spaces of the Alameda Building. Center for Archaeology & Society Repository (Alameda Building) 734 W. Alameda, Suite 120, Tempe, AZ 85282 Free Parking available, city bus 62 on Hardy Dr. to west, Venus Orbit on Broadway/Roosevelt intersection. Students should allow time in their schedules to get back and forth between CASR and campus for classes.

**Hours Per Week or Days and Times Needed:**
We offer a 2 credit (90 hours total) and a 3 credit (135 hours total) option. You must commit to at least 2 credits to qualify for this internship. Acceptance of an applicant is also based on schedule coordination. Be sure to specify your days and hours of availability in your application. [Requirements: M-F, 8 am – 4 pm, no evening hours, no weekend hours].

**Project Supervisor:**
Dr. Christopher Caseldine and Dr. Allisen Dahlstedt

**Supervising Faculty:**
Dr. Christopher Caseldine

**Contact Information:**
Christopher.Caseldine@asu.edu
Research Project or Internship Title:
Finding Hohokam Boundaries

Academic Discipline:
Archaeology

Project Description:
We are seeking student researchers to assist with the study of Hohokam social boundaries through pottery data accessible on cyberSW. Ancient Sonoran Desert people that ascribed to Hohokam identity, who lived across central and southern Arizona, practiced large-scale irrigation and were connected by regional ballcourt and marketplace systems. Previous studies have shown that Hohokam identity defining buff ware pottery was manufactured along the middle Gila River and exchanged through periodic markets. Although the marketplaces provided an efficient means of pottery exchange, archaeological evidence shows that buff ware pottery, and its red-on-gray predecessor, were exchanged among Hohokam individuals before the establishment of marketplaces and after their collapse. The synthetic analysis of buff ware exchange has been limited. Often the studies were focused toward one irrigation system and relevant ceramic data were hidden in difficult to access cultural resource management reports or unpublished manuscripts. The online database cyberSW is making ceramic data available in an unprecedented way. The project aims to understand Hohokam exchange network boundaries through the distribution of buff ware types, pre-A.D. 1300, available in cyberSW.

Student’s Duties:
1. Searching for Hohokam pottery types in cyberSW and entry of ceramic data from each available archaeological site into a ceramic database.
2. Participate in weekly meetings to discuss assigned readings, progress, issues, the interpretation of the dataset, and the development of a conference paper and potential publication

Required Qualifications or Pre-requisites:
Completion of introductory course in archaeology
Ability to work independently but maintain regular contact with the PI.

Project/Internship Location:
Center for Archaeology and Society Repository at the Alameda Building / Online
Center for Archaeology & Society Repository (Alameda Building) 734 W. Alameda, Suite 120, Tempe, AZ 85282

Hours Per Week or Days and Times Needed:
3-9 hours/week, including weekly meeting

Project Supervisor:
Christopher Caseldine

Supervising Faculty:
Christopher Caseldine

Contact Information:
Christopher.Caseldine@asu.edu
Research Project or Internship Title:
Global Inequalities and Health

Academic Discipline:
Global Health
Sociocultural Anthropology

Project Description:
This project explores how various forms of social and economic inequality around the world shape health risks and create health disparities. A major focus of the project is to characterize ethnic and caste disparities across a range of low-income countries and analyzing the consequences of such disparities for health and well-being in diverse contexts.
https://inclusivehuman.org/documenting-global-ethnic-disparities/

Student’s Duties:
Weekly attendance at one-hour lab meetings. Completion of weekly lab activities and preparation for lab meetings (2-3 hours + 1 hour lab meeting). Activities include: (1) investigating and documenting different forms of privilege and discrimination experienced by ethnic groups worldwide, (2) analyzing qualitative data, (3) contributing to team discussions, and (4) writing up specific case studies of discrimination.

Required Qualifications or Pre-requisites:
We seek highly motivated students with a strong work ethic and attention to detail. Experience using Excel preferred.

Project/Internship Location:
Matthews Center 203M and remote

Hours Per Week or Days and Times Needed:
4-5

Project Supervisor:
Dr. Daniel Hruschka

Supervising Faculty:
Dr. Daniel Hruschka

Contact Information:
dhruensch@asu.edu
**Research Project or Internship Title:**
CASR Collections Background Research

**Academic Discipline:**
Archaeology
Museums

**Project Description:**
We are seeking student researchers to assist with the planning and background research for a large-scale reorganization the Center for Archaeology and Society Repository (CASR) will be undertaking. This research will involve using the repository database as well as background research on each site identified. This background research will provide CASR staff with necessary information to plan for the proper placement of collections. The student researchers will also do background research on each archaeological site to produce a reference binder that outlines all archaeological collections housed at CASR. This will help facilitate research requests as well as give a greater understanding of the existing collection.

**Student's Duties:**
1. Work with the existing collections database to identify what sites are present in the collection and how many boxes represent each.
2. Do research with AZSITE and collections records to identify any site linkages (i.e. multiple site numbers for the same site) that might impact how the CASR would like to organize the collection.
3. Develop a reference file for each site in our collection that will be used internally and by researchers.
4. Participate in weekly meetings to discuss assigned readings, progress, issues, the interpretation of the dataset, and the development of a reference file.

**Required Qualifications or Pre-requisites:**
Completion of introductory course in archaeology.
Ability to work independently but maintain regular contact with the PI.

**Project/Internship Location:**
Center for Archaeology and Society Repository at the Alameda Building  Center for Archaeology & Society Repository (Alameda Building) 734 W. Alameda, Suite 120, Tempe, AZ 85282

**Hours Per Week or Days and Times Needed:**
We offer a 2 credit (90 hours total) and a 3 credit (135 hours total) option. You must commit to at least 2 credits to qualify for this internship. Acceptance of an applicant is also based on schedule coordination. Be sure to specify your days and hours of availability in your application. [Requirements: M-F, 8 am – 4 pm, no evening hours, no weekend hours].

**Project Supervisor:**
Melanie Deer

**Supervising Faculty:**
Christopher Caseldine

**Contact Information:**
Christopher.Caseldine@asu.edu
Research Project or Internship Title:
Peopling the Past in the Archaeological Chemistry Laboratory

Academic Discipline:
Archaeology
Bioarchaeology
Biogeochemistry

Project Description:
Research in the Archaeological Chemistry Laboratory (ACL) CL largely focuses on paleodiet and paleomobility of past peoples. In the Fall semester, students will use the ACL to prepare archaeological materials for analysis for several archaeological projects from different global contexts including Bolivia, Chile, Colombia, Greece, and Peru. Students will be assisting with laboratory duties for many different projects and will gain skills and knowledge of all major isotopic systems from the arrival of new samples to the ACL through the completion of preparation for mass spectrometry. Students interested in diet and migration in the past are encouraged to apply.

Student’s Duties:
1. Interns will be trained on laboratory equipment like balances, and on basic laboratory safety and etiquette for work with chemicals. Interns will be expected, after training, to use laboratory equipment and chemicals with minimal supervision.
2. Interns will work with graduate researchers to process bioarchaeological material, including archaeological bone and tooth samples, for isotopic analyses including carbon, nitrogen, oxygen, and strontium systems.

Required Qualifications or Pre-requisites:
Knowledge of basic laboratory procedures would be useful, but are not required. This internship would be ideal for students looking to gain more experience in bioarchaeology and biogeochemistry. Additionally, students will become familiar with different laboratory techniques and will work closely with several graduate researchers.

Project/Internship Location:
Archaeological Chemistry Laboratory (ACL) SHESC 303

Hours Per Week or Days and Times Needed:
3-6 hours per week

Project Supervisor:
Jessica Rothwell and Julianne Stamer

Supervising Faculty:
Kelly Knudson

Contact Information:
kelly.knudson@asu.edu
**Research Project or Internship Title:**
Culture, Health, and Environment Laboratory Intern

**Academic Discipline:**
Global Health
Sociocultural Anthropology

**Project Description:**
The Culture, Health, and Environment Laboratory (CHEL) has several ongoing projects each semester that combine methods and theory from anthropology, public/global health, and sustainability. Primarily, our work focuses on the Global Ethnohydrology Study (GES), a transdisciplinary, multi-year, multi-site research project that examines cross-cultural perceptions of water issues in the context of globalization, urbanization, and climate change. Our work this semester will primarily focus on water sharing as a form of disaster response. CHEL’s internship program operates each semester with approximately 15 undergraduate interns who work collaboratively with each other and graduate students in data management, analysis, and tool design. The program is designed to encourage students to return in subsequent semesters to develop more advanced research skills. Typically this research apprenticeship is in-person but due to the unforeseeable future of COVID-19, some assignments may be done remotely.

**Student’s Duties:**
As a result of our many projects, students’ duties will vary. Each student will likely participate on more than one project within the lab. First-time interns will begin with data entry and data quality management of the 2020 GES. Returning interns will be working on qualitative data coding of GES surveys. Other duties and projects may develop throughout the semester.

**Required Qualifications or Pre-requisites:**
There are no requirements or pre-reqs; we welcome interns at all stages of undergrad study.
*Please indicate if you are fluent in languages other than English on your application. *Please indicate if you have any experience with analytic software (e.g., R, SPSS, SAS, MAXQDA, NVivo, UCInet). ** Please indicate if you are a returning intern on your application.

**Project/Internship Location:**
Remote, SHESC 265

**Hours Per Week or Days and Times Needed:**
3 hours per week minimum (preferably in one time block). Exact times will be set around selected Interns.

**Project Supervisor:**
Dr. Alexandra Brewis Slade

**Supervising Faculty:**
Dr. Alexandra Brewis Slade

**Contact Information:**
SHESC.undergrad@asu.edu
Research Project or Internship Title: 
Salado Ceramics in the Phoenix Basin

Academic Discipline: 
Archaeology

Project Description: 
We are seeking student researchers to assist with a study of ceramics from several Hohokam sites in the Phoenix Basin. After ca. 1300 CE, a new and distinctive pottery type, Salado polychrome, appeared in the Phoenix Basin and became part of the late Classic period Hohokam ceramic assemblage. Numerous models have been proposed to account for the causes, meanings, and implications of the adoption of this pottery, but a lack of empirical data has precluded rigorous testing of these models for the Phoenix Basin. This study aims to build an understanding of Salado ceramic production and distribution, vessel form, attributes, assemblages, and change through time, in order to establish the data necessary to evaluate previous ideas and propose new explanatory models for the Salado pattern in the Phoenix Basin. This study works with archival data, documents, and museum collections. For Fall 2022 and Spring 2023, the work will involve digitizing archival records, compiling and entering data from multiple site excavations, and creating digital maps. All necessary tasks can be done remotely, using open source software and/or resources provided by ASU. Preferred applicants should possess basic computer skills and an interest in archaeology and archaeological data. Experience with ceramic materials, spreadsheets, databases, data entry, Inkscape, and working with a GIS would be a plus, though students lacking this experience should not be discouraged. Students will be trained in all necessary tasks. Students would also have the opportunity to use project data for research (term paper, thesis, or conference presentations) alone or in collaboration with the project supervisors.

Student’s Duties: 
Digitize ceramic vessel profiles from sites across the Phoenix Basin using Inkscape software

Work from archival records to build and check a database of archaeological ceramics from Phoenix Basin Hohokam site excavations. (Scanning documents, data entry, database management)

Work from archival records to digitize site features in a GIS. (scanning maps, digitizing features)

Attend a brief weekly project meeting via Zoom for training, discussions, and updates

Required Qualifications or Pre-requisites: 
Preferred applicants should possess basic computer skills and an interest in archaeology and archaeological data. Experience with ceramic materials, spreadsheets, databases, data entry, Inkscape software, and working with a GIS would be a plus, though students lacking this experience should not be discouraged. Students will be trained in all necessary tasks. All necessary work can be done remotely.

Project/Internship Location: 
Remote

Hours Per Week or Days and Times Needed: 
3-9 hours/week, negotiable

Project Supervisor: 
Caitlin Wichlacz

Supervising Faculty: 
Dr. Matthew Peeples

Contact Information: 
caitlin.wichlacz@asu.edu
Research Project or Internship Title: 
Pan-American Ceramics Project

Academic Discipline:  
Archaeology

Project Description:  
The Pan-American Ceramics Project is an open-access digital repository and tool for all aspects of ceramics, from clay selection to finished vessels, throughout the Americas, beginning with their initial appearance ca. 5500 BCE through the Historic Period. Our web application fosters synthetic research across borders by eliminating the complications of access to physical collections and paywalled publications, and it facilitates the inclusion of prehistoric material culture in educational resources. PACP’s analytical capabilities allow users to explore multiple facets of human societies and identify gaps in our knowledge that can be addressed with future research.

Student’s Duties:  
Students will be responsible for reading archaeological reports and monographs on ceramic studies from sites throughout the Americas. We are interested in collecting data on all aspects of ceramic production (i.e., vessel shapes, petro-fabrics, decorative styles, and technological attributes) that are currently available in the literature. Students will work with the Project Director to identify a site or region of interest and develop a bibliography of relevant reports/monographs/articles detailing ceramic analyses that have been conducted for the site or region. The remainder of the semester will involve uploading data into the PAC{ web application using either a lab computer or their personal computer and providing feedback to the Project Director about the functionality of the web application. This work can be competed remotely by online students but requires maintaining regular contact with the Project Director, who will be traveling quite often so the ability to work independently is essential.

Required Qualifications or Pre-requisites:  
Completion of introductory course in archaeology; preferred completion of course on archaeological ceramics, but not required.  
Ability to work independently but maintain regular contact with the Project Director.

Project/Internship Location:  
SHESC 112 / Online

Hours Per Week or Days and Times Needed:  
up to 10 hours/week; days and times are flexible

Project Supervisor:  
Andrea Torvinen

Supervising Faculty:  
Kostalena Michelaki-Schwartz

Contact Information:  
atorvine@asu.edu
Research Project or Internship Title:

Expanding a Database of Fossil Hominin Sites, Extinct Mammal Species, and Modern Analogs

Academic Discipline:
Evolutionary Anthropology

Project Description:
The IHO Paleoecology Lab is working on a range of projects aimed at understanding the past environments in which our fossil ancestors evolved. We are currently expanding on a database of modern and fossil sites and animals by adding information on species' diets, ancient environments, abundances of mammals, and site formation processes. Currently, the fossil and modern sites (that we use for comparisons) are all located in Africa.

Student's Duties:
Undergraduate researchers will primarily assist with data entry or data collection from the literature, including gathering species lists from modern and fossil sites, published microwear, hypsodonty indices, and isotope data from living and fossil specimens (for dietary reconstruction), as well as geological information on site ages and past depositional environments. (Note: students may request to work on a specific sub-project based on their interests.) Students will also be trained in using a reference manager to organize articles.

Required Qualifications or Pre-requisites:
An interest in hominin evolution

Project/Internship Location:
Some parts of project can be done in-person (Tempe Campus) and others can be done online. Meetings are held weekly in online or hybrid mode

Hours Per Week or Days and Times Needed:
at least 6 hours/week

Project Supervisor:
Maryse Biernet, Yemane Tsige, Brenton Adrian, Máire Malone

Supervising Faculty:
Denise Su and Kaye Reed

Contact Information:
Denise Su - denise.su@asu.edu
Research Project or Internship Title:

Urban Sustainability in the Deep Past

Academic Discipline:
Applied Math
Archaeology
Sociocultural Anthropology
Urban Studies
Sustainability

Project Description:
This project is part of a longer transdisciplinary project that asks, “Why did some cities and settlements persist for long periods, while others did not?”, and “How can this kind of information inform research on urban climate change adaptation today?” We are assembling archaeological and historical data on past urban growth trajectories around the world, and try to determine what factors favored long-term survival or persistence. Students will work on an individual set of early cities and compile information on their growth, their decline, and possible reasons for those changes.

Student’s Duties:
• Assemble published reports and online information.
• Enter data into project databases and create graphs of growth patterns.
• Contribute to exploratory data analysis.

Required Qualifications or Pre-requisites:
• Classwork or fieldwork experience in archaeology, history, sustainability or a related field.
• Motivation, enthusiasm, attention to detail

Project/Internship Location:
Mesoamerican Archaeology Lab, SHESC-104

Hours Per Week or Days and Times Needed:
6-12 hours per week, flexible hours

Project Supervisor:
Dr. Michael E. Smith

Supervising Faculty:
Dr. Michael E. Smith

Contact Information:
mesmith9@asu.edu
**Research Project or Internship Title:**

The use of cryptotephra to more accurately date and link archaeological sites

**Academic Discipline:**
Archaeology
Geology

**Project Description:**
This project focuses on processing and analyzing cryptotephra collected from archaeological sites throughout Italy and South Africa. Cryptotephra are microscopic glass shards that are ejected from a volcanic eruption and can travel up to 9000 km from the source volcano. In archaeology, these glass shards have been used to date deposits (Smith et al., 2018) as well as correlate and link stratigraphic layers between sites (Hirniak et al., 2020). Because cryptotephra deposits tend to be far from the source volcano, shards present in a sediment sample can be extremely low abundance and need specialized methods for extraction and analysis. Therefore, the focus of this project will mainly be on sample preparation.

**Student’s Duties:**
The student will learn how to extract cryptotephra from sediment samples and assist Jayde Hirniak in processing samples collected from various archaeological sites. The student will learn the beginning of the separation process (i.e., weighing out the sample, treating it with HCL) and how to prep epoxy rounds before geochemical analyses (i.e., cleaning, polishing, examining on microscope).

**Required Qualifications or Pre-requisites:**
Past experience working in a laboratory environment is preferred. Coursework in introductory geology or chemistry is preferred but not required.

**Project/Internship Location:**
ISTB7 - 236G

**Hours Per Week or Days and Times Needed:**
10 hours per week

**Project Supervisor:**
Jayde Hirniak

**Supervising Faculty:**
Chris Campisano

**Contact Information:**
jaydehirniak@gmail.com
Research Project or Internship Title:

**Translating Scientific Reports into Policy and Practice**

**Academic Discipline:**
Environmental Social Science

**Project Description:**
The National Academies of Science, Engineering and Medicine (NASEM) produce consensus reports that summarize the scientific evidence on important science- and technology-related topics. These reports are then used by the Federal government and others to help guide their decision-making on these topics. This research project seeks to better understand what factors predict how helpful and impactful these reports are. What are the characteristics of reports that are highly influential for decision-making?

**Student’s Duties:**
May include:
1. Compiling a dataset of published NASEM consensus reports. The research assistant will use the National Academies Press website to compile a list of reports, gather data on those reports, and enter that data into a spreadsheet.
2. Reading excerpts from NASEM consensus reports and potentially other related documents, and conducting qualitative coding of those excerpts. No prior experience in qualitative coding required; any needed training will be provided.

**Required Qualifications or Pre-requisites:**
No prior research experience is required. If applicable, training in qualitative coding will be provided as part of the RAP. The Research Assistant will need a computer, reliable internet access, and to be able to use Google Drive.

**Project/Internship Location:**
**Online/remote**

**Hours Per Week or Days and Times Needed:**
2-3 hours per week on average; students can set their own schedules

**Project Supervisor:**
Caitlin Drummond Otten

**Supervising Faculty:**
Caitlin Drummond Otten

**Contact Information:**
caitlin.drummond@asu.edu
Research Project or Internship Title: The Teotihuacan Mapping Project

Academic Discipline:
Archaeology
Museums
Public outreach

Project Description:
ASU runs an archaeological laboratory at Teotihuacan, one of the largest and most important ancient cities of the New World. Dr. Michael E. Smith is currently Director of the lab. We have groups of undergraduates carrying out a variety of tasks, here at ASU and in Mexico in the summer. Most activities center on the Teotihuacan Mapping Project, one of the major archaeological projects in Mexican archaeology. Once the map of Teotihuacan was completed (1973), much of the work of this project remained incomplete. We are organizing paper and electronic files, entering data, checking major artifact categories, working on GIS studies of the map, and making sure that key information is recorded before uploading the data to tDAR to archive it permanently. We also have undergraduate research activities based on data from the Teo Mapping Project, including studies of burial offerings, research on housing, and work on craft production. We are also looking for help with communications, public outreach and social media. See our website: [https://teo.asu.edu/](https://teo.asu.edu/). See some of the videos about the ASU lab: [https://asunow.asu.edu/20160826-discoveries-asu-teotihuacan-research-lab-mexico](https://asunow.asu.edu/20160826-discoveries-asu-teotihuacan-research-lab-mexico)

Student's Duties:
(1) Teotihuacan Mapping Project data rescue and archiving:
Data entry into computer databases, and to scan paper forms to pdf. Perform basic analyses of artifact categories, such as mapping the spatial distributions of figurines, or tallying the traits of other artifact categories.
(2) Misc research projects:
Contribute to an ongoing project of analyzing the burials of Teotihuacan. See: [https://asunow.asu.edu/20171122-asu-students-learn-dead-teotihuacan](https://asunow.asu.edu/20171122-asu-students-learn-dead-teotihuacan). Contribute to our GIS analyses of the Teotihuacan map.
(3) Communications & outreach:
Help develop our social media activities on Twitter, Instagram, and other platforms. Organize publicity materials for the Teotihuacan website and work with the webmaster to update the current website. Research Mesoamerican and lab history to share with the public.
Once familiar with the site and datasets, students may develop individual research projects.

Required Qualifications or Pre-requisites:
Required:
Classwork or fieldwork experience in archaeology, or a related field such as history
GPA > 3.0
Recommended:
Experience working with archaeological data, and/or museum outreach activity
Good writing and editing skills; web design; computer graphics
Reading knowledge of Spanish is a plus.

Project/Internship Location:
Mesoamerican Archaeology Laboratory, SHESC-104 or Remote

Hours Per Week or Days and Times Needed:
3 to 12 hours per week. Times depend on the schedules of other project members.

Project Supervisor:
Dr. Michael E Smith and Anne Sherfield

Supervising Faculty:
Dr. Michael E. Smith

Contact Information:
mesmith9@asu.edu
Research Project or Internship Title:
Mapping Teotihuacan

Academic Discipline:
Archaeology
GIS

Project Description:
Differential access to civic resources is a well-documented mechanism of socio-economic differentiation in historic cities and can be measured by analyzing movement within the built environment. I measure differential access at Teotihuacan, Mexico by simulating movement pathways from residential structures to public facilities within the city. This project shows the constraints that the urban environment placed on the movements of individuals within Teotihuacan and allows me to explore how differential access to public spaces may have contributed to the creation and maintenance of social inequality at Teotihuacan.

Student’s Duties:
Researching and synthesizing excavation of structures at Teotihuacan.
Digitizing the excavated structures of Teotihuacan.
Managing spatial data and learning proper metadata procedures.
Possible to participate in research project on standardization of households in the site.

Required Qualifications or Pre-requisites:
Classwork or fieldwork experience in archaeology, history, or a related field.
Classwork in GIS or decent familiarity with the software and basic ability.
GPA > 3.0

Project/Internship Location:
Mesoamerican Archaeology Laboratory, SHESC-104.

Hours Per Week or Days and Times Needed:
6 to 12 hours per week. Times are flexible.

Project Supervisor:
Anne Sherfield

Supervising Faculty:
Dr Michael E Smith

Contact Information:
asherfie@asu.edu