

Guidelines for
Industrial Archaeology
Graduate Students

This document provides some information about Program requirements as well as some guidance about administrative procedures of the Graduate School. Additional information can be found in the *Graduate School Bulletin* and the booklet *Keeping on Track in Graduate School*, both available in the Graduate School Office.

Advisor/Committee

At the start of the first semester of residence, an interim advisor for each new student is assigned by the IA Program. By the end of the second semester in residence students should select a permanent advisor and Guidance Committee, in consultation with the initial advisor and/or the Department Head, and should file the appropriate form with the Director of IA Graduate Studies. The advisor serves as the chair of the student's Guidance Committee, which also includes two other faculty members. This group will design an individualized course of study, based upon the student's background and goals, and will supervise the conduct of research and/or internship.

The Guidance Committee, with the addition of one member of the Graduate Faculty from a department other than Social Sciences, will form the examining committee for the student's thesis/project.

It may be desirable to adjust the membership of the Guidance Committee to reflect the specific needs of a student, especially in light of a chosen thesis topic; any changes in the Committee must be registered with the departmental Director of Graduate Studies.

Degree requirements

The Master of Science Degree in Industrial Archaeology requires a minimum of 34 credit hours. Each student will take all eight of our basic courses. Students choosing the Plan A, Thesis Option, will take a single approved elective course

and a minimum of eight research credits; students choosing the Plan B, Report/Internship Option, will take two approved elective courses and a minimum of 5 research credits.

At least 20 credits of course work, excluding thesis/project credit, must be taken in purely graduate level courses (numbered 5000 or higher). No more than 12 credits in the 3000-4000 level can be counted towards the degree requirements.

Most students will complete the program in two academic years, using the preceding summer and/or the intervening summer to fulfill the archaeological fieldwork requirement. First year students will typically take eight credits each semester, though it is possible to do more. The Guidance Committee may require students judged deficient in either American history or archaeology to audit undergraduate history or archaeology courses. Students devote most of the second year in residence to completing their internship/project or thesis.

Core Courses (23 Credits minimum)

SS 5500 *IA Proseminar I: History of Technology (2 credits)*

A course designed to explore the principles, problems, and interpretive themes that have guided the work of historians of technology. Students will be asked to prepare several essays based on secondary sources and focused both on historiographic and substantive issues.

(Fall Semester)

SS 5501 *IA Proseminar II: Industrial Communities (2 credits)*

Provides an overview of the ethnography and social history of industrial communities, with a particular focus on mining and cross cultural-comparison. Particular attention is placed on topics of work, gender, class, and ethnicity/race. Methodologies covered include: oral history, ethnography (including interview techniques), and ethnohistory. (Fall Semester)

SS 5502 *IA Proseminar III: Historical Archaeology (2 credits)*

Directed readings in the methods, theories, and practice of historical archaeology. Particular emphasis is given to the current literature, though a review of the development of the discipline is also included. (Spring Semester)

SS 5503 IA Proseminar IV: Material Culture Studies (2 credits)
Explores techniques for interpreting the past as it is embodied in material culture. Emphasis is placed on reading artifacts, structures, and historic sites to learn about the people, place, and time that produced them. Particular attention is paid to the evolution of materials, processes, and styles. (Spring Semester)

SS 5600 Industrial Archaeology (4 credits)
Seminar with readings in Industrial Archaeology, in addition to a lecture-based class. Regional case studies provide a central focus. Research paper based on primary evidence is the major class product. (Fall Semester)

SS 5800 Documentation of Historic Structures (4 credits)
Practical experience in recording aboveground structures. Techniques include measured drawings, architectural photography, primary research, and written descriptions. Students will learn to use the documentation process to analyze historic structures. (Fall Semester)

SS 5900 *Heritage Management (4 credits)*
Study of the range and variety of cultural resources, with emphasis on industrial or industrially-related sites. Consideration of philosophies, policies, ethics, and laws related to historic preservation and CRM. (Spring Semester)

SS 5700 *Field Archaeology (Variable credits, typically 3-8 credits; minimum 3 credits required)*
Practical experience in the methods and techniques of field archaeology. Background readings are followed by participation in site survey, testing, excavation, and record keeping. Students learn through their involvement in ongoing research in the Upper Great Lakes region. (Summer Semester)
(Students who have had extensive training in field archaeology may petition to waive the SS 5700 requirement, but must either take some other type of field methods course, or carry out field work as part of an internship. Requests to waive SS 5700 (or any course) should be submitted through the student's Guidance Committee to the departmental IA Graduate Committee.)

Approved Electives (3 Credits minimum Plan A, 6 Credits Plan B)

The Department of Social Sciences and other departments at Michigan Tech offer courses which contribute to the students' intellectual development and their employability. In consultation with their advisor or committee, students will develop a program including at least one approved elective that contributes to their course of study (at least two in the case of Plan B). Examples of appropriate electives include courses in Architectural History, The Copper Country: Miners and Managers, Geographic Information Systems, and Geophysics for Archaeologists. Other relevant 3000 and 4000 level courses in the Social Sciences may also be considered. Students wishing to focus on a particular topic not covered by an existing course may take SS 5010, by arrangement with an instructor.

SS 5010 Directed Study (variable to 4 credits)

Directed readings or research conducted under the direction of a member of the graduate faculty. May be repeated for a total of 9 credits. Students must meet with their supervising instructor and receive approval of their study plan before registering. Prerequisite: permission of the instructor.

Thesis or Internship/Project (5-15 Credits)

Much of the second year is devoted to the thesis or internship/project. Students may choose either Plan A or Plan B, depending upon their individual career track and opportunities.

Plan A, Thesis option:

23 credits minimum in Core Areas

3 credits minimum in elective courses

8 credits minimum thesis research (SS5990)

Plan A requires the student to prepare a research thesis under supervision of an advisor. The thesis shall be based upon original research, either field or archival. Students receive thesis credits by registering for SS 5990, Graduate Research. Either before or during the first semester of the second year, each student

prepares a written proposal describing the thesis project. The proposal must meet approval by the student's Guidance Committee.

A committee of four faculty (the student's Guidance Committee and one additional Graduate Faculty member from another department) examines the completed thesis. The Graduate School has additional instructions and requirements for thesis preparation and defense that are covered in the volume *Keeping on Track in Graduate School* and can also be found on the Graduate School web pages.

Plan B, Internship/Project option

23 credits minimum in Core Areas

6 credits minimum in elective courses

5 credits in internship/project (SS5990)

Plan B is designed as an alternative to the preparation of a traditional thesis. Plan B can be based upon an internship or employment with an agency that conducts research, documentation, or interpretation. Work can be completed either on campus or at a remote location. At the conclusion of the internship or project, the student presents a written project report or other evidence of the accomplishments of their work (such as detailed plans documenting a site, an exhibit plan, or interpretive program). Students receive credit by registering for SS 5990, Graduate Research. Internships/projects are generally 5 credits, but can vary depending upon the degree of effort. Before a student begins his/her internship/project, a written proposal describing the project must be approved by the student's Guidance Committee.

A committee of four faculty (the student's Guidance Committee and one additional Graduate Faculty member from another department) examines the completed project. The Graduate School has additional instructions and requirements for thesis preparation and defense that are covered in the volume *Keeping on Track in Graduate School* and can also be found on the Graduate School web pages.

Additional Requirements and Considerations

Thesis/Project Defense: The Guidance Committee, including one member from outside the Department, will conduct an oral examination or defense of the thesis or project report. The Graduate School uses the Scheduling of Final Oral Examination form (M5) to schedule the defense and formally identify the examining committee members. The M5 form must be filed in the Graduate School office two weeks prior to the defense date. The IA Program requires that all incomplete grades and project obligations must be completed before a defense can be scheduled.

Presentation of Colloquium: Formal presentations of research results are an important element of a student's professional development. In order to encourage this development, we require that each student make at least one presentation to a department colloquium on topic of the student's choice. This presentation takes place during the second year of residence, part of a series scheduled by the Department and used for presentations by faculty and visitors, as well as students. Topics might include subjects drawn from thesis research, from class projects, from visits or internships, or simply from current topics of interest in the field.