HISTORY OF SCIENCE, MEDICINE AND TECHNOLOGY, PH.D.

With some 160 graduate students and nearly 60 faculty members, the Department of History is home to one of the oldest, most distinguished, and most comprehensive graduate programs in the U.S., renowned for its long and valued tradition of collegiality and openness. Joining our ranks this year are the faculty and graduate students in the former Department of History of Science, Medicine, and Technology, one of the broadest, most prestigious academic programs of its kind in the United States. All told, our internationally recognized faculty (https://history.wiscweb.wisc.edu/people-main/faculty-listed-alphabetically) has been mentoring distinguished historians since 1893 (https://history.wiscweb.wisc.edu/our-graduate-program/ph-d-s-awarded).

Our degree program in the History of Science, Medicine, and Technology is designed to meet the needs of the Ph.D. candidate, and we offer funding (https://history.wiscweb.wisc.edu/graduate/prospective-students/funding) only to students who intend to pursue the Ph.D. However, we also welcome applications from students who wish to earn only the M.A. if they have external funding or are self-funded. Students with doctoral training in one of the health professions may earn an M.A. in History of Medicine. It is also possible to earn a combined M.D./Ph.D. degree through the School of Medicine & Public Health's Medical Scientist Training Program (https://www.med.wisc.edu/education/md-phd) and the HSMT degree program.

One of the largest and oldest (http://www.jstor.org/stable/232359) academic programs of its kind in the United States, History of Science, Medicine, and Technology (HSMT) draws together faculty members in History and in Medical History & Bioethics (http://medhist.wisc.edu). Collectively, we offer broad coverage of the field, with expertise that spans Europe, the United States, Africa, and the Caribbean, stretches from the Middle Ages to the recent past, and ranges across the physical, biological, and social sciences to medicine and technology.

History of Science, Medicine, and Technology at UW--Madison is known for the strength and diversity of its areas of study and its warm, collegial environment. All historical aspects of science, medicine, and technology receive attention—from their internal development to their broader institutional, philosophical, religious, and literary contexts, as well as their relationships with print culture, visual culture, and material culture. Students and faculty regularly participate in the program's weekly Brown Bag and monthly colloquium series, both of which provide opportunities to present work, discuss professional issues, and engage with a wide range of on-campus and outside speakers.

Graduate students come to the HSMT degree program from a variety of backgrounds in the sciences and humanities and with diverse professional goals. The program maintains a policy of maximum flexibility and, insofar as possible, tailors the work required for the degree to fit the individual. Students are encouraged to undertake work in related programs such as history, philosophy, science and technology studies, and the various sciences. Joint degrees in HSMT and another degree program are also possible (see below). Our graduates pursue research and teaching careers in the history of science, medical history, history of technology, intellectual and cultural history, science in general education programs, science writing, and museum work.

JOINT PH.D. IN HISTORY AND HISTORY OF SCIENCE
Students who wish to obtain a joint Ph.D. in History and the History of Science, Medicine, and Technology are initially admitted to one of the degree programs, and should indicate interest in the joint Ph.D. program at that time. After completion of a master's degree in History or History of Science, Medicine, and Technology, the student applies for admission to the other degree program and, at the same time, to a standing committee of the two programs for admission to the joint program.

Having been admitted to the other degree program and to the joint Ph.D. program, the student then applies to the Graduate School for approval of the joint Ph.D. (See the Graduate School's academic policy regarding joint degrees (http://grad.wisc.edu/acadpolicy) for more information and deadlines.) The student's application to the standing committee should take the same form as required by the Graduate School and should be prepared in close consultation with department faculty/staff.

Students in the joint Ph.D. program are assigned a home degree program and follow the regulations of that degree program with regard to seminar requirements, language requirements, financial aid, and regulations for satisfactory progress. Since the joint Ph.D. meets the doctoral minor requirement of the Graduate School, no formal minor is required of students receiving a joint Ph.D. However, students who wish to have a minor field recorded on the transcript may complete a regular Option A or Option B minor, or the internal minor of the department.

The joint Ph.D. student's work is supervised by a committee consisting of three faculty members (two from the home degree program). The preliminary examinations test the student's competence in both history and history of science, medicine, and technology, balancing the material and fields between the two departments (e.g. two in each, or three in one and two in the other). The number of prelim fields must equal the number required of students majoring exclusively in history or in history of science, medicine, and technology, plus one. Preparation of the Ph.D. dissertation is guided by the student's supervising committee. Satisfactory completion and defense of the dissertation constitute the final requirements for the joint Ph.D. degree.

JOINT PH.D. WITH OTHER DEGREE PROGRAMS
Students in the History of Science, Medicine, and Technology degree program who wish to pursue a joint Ph.D. (one degree, two majors) with another degree program must first be admitted to the other degree program. The proposal for the degree must be approved by the Department of History's Graduate Council before it is submitted to the Graduate School. Students admitted to a joint Ph.D. will satisfy all the normal requirements of their field in History except the minor requirement.

In past years, HSMT students have successfully completed a joint Ph.D. with the Philosophy, Classics, Psychology, History, Chemistry, Mathematics, and Physics degree programs.

For more information on joint Ph.D. options, please contact the graduate program coordinator.

PROGRAM IN GENDER AND WOMEN'S HISTORY (PGWH)
Working under the supervision of a PGWH faculty member, History of Science, Medicine, and Technology students may organize their studies to emphasize gender, women's history, or sexuality. They meet all their HSMT requirements, take the PGWH core seminar on transnational
ADMISSIONS

All applicants must meet UW-Madison Graduate School’s minimum applicant requirements (https://grad.wisc.edu/admissions/requirements), in addition to the below History Graduate Program requirements described below.

APPLICATION DEADLINE: DECEMBER 1ST

To apply, applicants must submit or declare the following in the online application (https://grad.wisc.edu/apply):

History Supplemental Application
This section of the application asks you to provide information about your research interests, declare your preferred faculty advisors, and outline your prior language preparation (if any).

Writing Sample
Provide a sample that best illustrates the quality of your written work (optimally no more than 50 pages, double-spaced; maximum file size 6 MB).

Transcripts
Upload an unofficial copy of your transcript from all institutions attended, showing any undergraduate and graduate degrees awarded. If accepted, you will be required to send two official transcripts from each institution.

Graduate Record Examination (GRE) scores
GRE test scores are required for admission to our program, and the test must have been taken within the last 5 years. Students requesting a waiver (e.g., international applicants) should contact the director of graduate studies (https://history.wisc.edu/people/dunlavy-colleen).

CV or Resumé
This should highlight your accomplishments and qualifications including academic honors or distinctions; professional, research, and/or teaching experience; and any publications.

Letters of recommendation
Provide contact information for the three individuals who will furnish recommendations on your behalf. (They will receive an upload link by email.) Your letter writers need not be historians, but they should be able to speak to your academic preparation to pursue historical studies at the graduate level.

Statement of purpose
The statement of purpose (2–3 pages, double-spaced) explains your reasons for graduate study. It may be the hardest part of the application to write, but it is also the most important. While you will likely include some autobiographical information, its primary purpose is to acquaint us with how your mind works. We want to know, for example, what kinds of intellectual problems and issues interest you, whose stories intrigue you, what sorts of analytical or narrative approaches you like to pursue, which historical writings you admire—and your reasons for these various preferences. Please help us understand your decision to enter the historical profession, especially at a time when the academic job market is in decline, and how you see your own role in it. There is no single right way to approach this part of the application, but we suggest that you bear in mind the usual cautions for personal writing: speak straightforwardly, in your own voice, and write as well as you know how.

INTERNATIONAL APPLICANTS
All international applicants must also meet the English Proficiency requirements (https://grad.wisc.edu/admissions/requirements) set forth by the Graduate School.

For additional detail about the admissions process, please visit the Prospective Student (https://history.wisc.edu/our-graduate-program/prospective-students) pages on our website.

GRADUATE SCHOOL RESOURCES

Resources to help you afford graduate study might include assistantships, fellowships, traineeships, and financial aid. Further funding information (https://grad.wisc.edu/funding) is available from the Graduate School. Be sure to check with your program for individual policies and processes related to funding.

PROGRAM RESOURCES

We offer funding only to students who intend to pursue the Ph.D.—an application for admission to our Ph.D. program, therefore, is an application for funding. We also welcome applications from students who have external funding or are self-funded, including those pursuing the M.A. only.*

MULTI-YEAR FUNDING PACKAGE

If you apply to the History of Science, Medicine, and Technology (HSMT) Ph.D. degree program without external or self-funding and are accepted, you will be offered a multi-year support package, which begins in your first year. The details of our support guarantees may vary by funding source, field of study, and other circumstances, and the guarantee is, of course, contingent on satisfactory progress and performance. Most of our support packages offer 5 years of support and begin with a fellowship year from the UW–Madison Graduate School, generously funded by the Wisconsin Alumni Research Foundation (http://www.warf.org/stewardship/grants-support/current/current-grant.cmsx). Our most distinguished packages include two years of fellowships:

• Graduate Research Scholar fellowships (http://ls.wisc.edu/current-students/graduate-students/cgrs) for underrepresented students or first-generation college students—offered annually
• John A. Neu Fellowship in the History of Science, Medicine, and Technology—offered as endowment income permits
Additional years of guaranteed funding will come from employment as teaching assistants or project assistants or additional fellowships.

**COMPETING FOR ADDITIONAL SUPPORT**

All students in good standing can apply for writing prizes, conference travel awards, and supplements to external awards. Once graduate students have passed their preliminary examination and advanced to candidacy, they may apply for various departmental fellowships and research travel funding.

Further funding opportunities are available to students who have reached the advanced stages of dissertation writing. Our advanced dissertationists may apply for teaching fellowships that give them the opportunity to design and teach an undergraduate course—the Merle Curti Teaching Fellowship (https://history.wiscweb.wisc.edu/graduate/prospective-students/funding/merle-curti-teaching-fellowship) (open field), the George L. Mosse Teaching Fellowship in European History (https://mosseprogram.wisc.edu/fellowships), and the William J. Courtenay Teaching Fellowship in ancient, medieval, or early modern European history. The William Coleman Dissertation Fellowship in the History of Science (https://history.wisc.edu/our-graduate-program/current-students/funding-opportunities) supports one semester of advanced dissertation writing, as does the David and Greta Lindberg Distinguished Graduate Fellowship. (These fellowships are offered as often as endowment income permits.) Thanks to funding provided by the Doris G. Quinn Foundation (https://dorisgquinnfoundation.org), we are also pleased to offer the Doris G. Quinn Fellowship, which supports the final year of dissertation writing in any field.

In addition, UW–Madison offers a wealth of other opportunities to compete for funding offered, for example, by the International Division (http://international.wisc.edu/funding-your-international-experiences), the Institute for Research in the Humanities (http://irh.wisc.edu/fellowships/dissertation), and the UW Graduate School (research and conference travel awards (https://grad.wisc.edu/studentfunding/grantscomp)).

More details on our funding for current/continuing students are available here (https://history.wiscweb.wisc.edu/our-graduate-program/current-students/funding-opportunities).

* If you wish to apply only for the HSMT M.A. (the so-called terminal M.A.) or for the M.A. in History of Medicine for Health Professionals, please describe your sources of support on the History Supplemental Information about the accelerated nature of a specific program, contact the program.

**CURRICULAR REQUIREMENTS**

**MINIMUM GRADUATE SCHOOL REQUIREMENTS**

Review the Graduate School minimum academic progress and degree requirements (http://guide.wisc.edu/graduate/policiesandrequirementstext), in addition to the program requirements listed below.

**MAJOR REQUIREMENTS**

**MODE OF INSTRUCTION**

<table>
<thead>
<tr>
<th>Face to Face</th>
<th>Evening/Weekend</th>
<th>Online</th>
<th>Hybrid</th>
<th>Accelerated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**Mode of Instruction Definitions**

- **Evening/Weekend:** These programs are offered in an evening and/or weekend format to accommodate working schedules. Enjoy the advantages of on-campus courses and personal connections, while keeping your day job. For more information about the meeting schedule of a specific program, contact the program.
- **Online:** These programs are offered primarily online. Many available online programs can be completed almost entirely online with all online programs offering at least 50 percent or more of the program work online. Some online programs have an on-campus component that is often designed to accommodate working schedules.
- **Hybrid:** These programs have innovative curricula that combine on-campus and online formats. Most hybrid programs are completed on-campus with a partial or completely online semester. For more information about the hybrid schedule of a specific program, contact the program.
- **Accelerated:** These on-campus programs are offered in an accelerated format that allows you to complete your program in a condensed time-frame. Enjoy the advantages of on-campus courses with minimal disruption to your career. For more information about the accelerated nature of a specific program, contact the program.

**Other Grade Requirements**

- The Graduate School requires an average grade of B or better in all coursework (300 or above, not including research credits) taken as a graduate student unless conditions for probationary status require higher grades. Grades of Incomplete are considered to be unsatisfactory if they are not removed during the next enrolled semester.
- Grades of Incomplete are considered to be unsatisfactory if they are not removed during the next enrolled semester.

**Assessments and Examinations**

- Preliminary Examination: Each field of study has its own exact requirements for prelims, but all include written exams and an oral defense of the student’s research proposal and knowledge of the field.
The HSMT Ph.D. requires proficiency in two foreign languages. (Students who are working toward a degree as part of a combined M.D./Ph.D. program only need to demonstrate proficiency in one language.) The candidate must have demonstrated proficiency in one language in order to pass the Second-Year Review and must demonstrate proficiency in the second language before achieving dissertation (ABD) status. ABD status, with its attendant reduction in tuition, is contingent upon satisfying the two-language requirement.

The two languages are normally French and German; other languages, including quantitative methods, may be substituted when appropriate, by approval of the advisor. Substitutions require early action on the part of the student.


Doctoral Minor/ Breadth Requirements

All doctoral students are required to complete a minor (9 credits minimum).

REQUIRED COURSES

In addition to completing the M.A. course requirements (below), Ph.D. students must complete their doctoral minor (9 credits) and gain proficiency in a second foreign language prior to taking the preliminary examination. After passing the preliminary examination, students register for 990 (Research and Thesis) credits every semester until they deposit their dissertation.

M.A. Course Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST SCI 720</td>
<td>Proseminar: Historiography and Methods</td>
<td>3</td>
</tr>
<tr>
<td>HISTORY 701</td>
<td>History in a Global Perspective</td>
<td>1</td>
</tr>
<tr>
<td>HISTORY 800</td>
<td>Research Seminar in History (or an equivalent research seminar)</td>
<td>3</td>
</tr>
</tbody>
</table>

One course in at least four of the following distribution areas:

- Science: Ancient through the Enlightenment
- Modern Science and Technology
- Medicine and Public Health
- Transnational Science and Medicine
- Race, Gender, Class, and Religion in Science and Medicine
- All HIST SCI Courses (http://guide.wisc.edu/courses/hist_sci)

Electives

- Work with advisor to complete 11 additional credits in courses greater than 700

Total Credits 30

History of Medicine Specialization

This specialization within the M.A. is intended for students with doctoral training in one of the health professions who wish to pursue a master’s degree in the history of medicine.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST SCI 720</td>
<td>Proseminar: Historiography and Methods</td>
<td>3</td>
</tr>
<tr>
<td>HIST SCI/HISTORY/ MED HIST 504</td>
<td>Society and Health Care in American History</td>
<td>3</td>
</tr>
<tr>
<td>HIST SCI/HISTORY/ MED HIST 507</td>
<td>Health, Disease and Healing I</td>
<td>3-4</td>
</tr>
<tr>
<td>HIST SCI/HISTORY/ MED HIST 508</td>
<td>Health, Disease and Healing II</td>
<td>3-4</td>
</tr>
<tr>
<td>STS 901</td>
<td>Science, Technology and Medicine in Society</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional History of Medicine course

- All Medical History Courses (http://guide.wisc.edu/courses/med_hist)

Additional History of Science course (300-600 level or above)

- All History of Science Courses (http://guide.wisc.edu/courses/hist_sci)

Electives

- 9

Total Credits 30-32

1 These tracks are internal to the program and represent different pathways a student can follow to earn this degree. Track names do not appear in the Graduate School admissions application, and they will not appear on the transcript.

PROFESSIONAL DEVELOPMENT

GRADUATE SCHOOL RESOURCES

Take advantage of the Graduate School’s professional development resources (https://grad.wisc.edu/pd) to build skills, thrive academically, and launch your career.

PROGRAM RESOURCES

The Department of History is committed to training our students to develop skills required for a variety of careers both in and outside the academy. Although a large network of our alumni teach at colleges and universities in the U.S. and across the world, a number of our Ph.D.s have enjoyed considerable success outside the academy. They include recent graduates who are currently a museum curator, teachers at prestigious preparatory academies, a historian with the U.S. Secretary of Defense’s POW/Missing Persons Agency, a CEO of an investment firm, an analyst for a defense contractor, an editor at a small press, and consultants working with non-profits in the human services, education, and public policy fields. In recent years we have undertaken a number of initiatives, detailed below, to broaden the training of our students for a wide array of careers.

Much of the preparation for the job market occurs informally and over the course of the student’s graduate career—in the mentoring relationship between faculty advisor and student, in the presentation of student research in department venues, in the student’s participation
in professional conferences, and in early forms of professional publication. Coursework, such as for the minor requirement or certificates, can be an avenue to expanded competencies. The Center for Humanities, for example, offers a Public Humanities certificate (http://humanities.wisc.edu/public-humanities/graduate-certificate). Be sure to explore the Graduate School’s resources such as “The Versatile PhD (https://grad.wisc.edu/pd/versatilephd)” and its Professional Development pages (http://grad.wisc.edu/pd).

Whatever career paths interest you, we encourage you to plan ahead and discuss your options—early and often—with your faculty advisor(s), with the Director of Graduate Studies, or with the Graduate Coordinator.

PROFESSIONAL DEVELOPMENT SEMINARS (HISTORY 710)
This topics seminar, created in 2014-2015, is offered every semester. It emphasizes building skills that are valuable both inside and outside the academy, such as managing the writing process, teaching college history, or communicating historical research to a broad, nonspecialist audience. Since it is a topics course, more than one may be offered in a given semester. Recent topics include “Writing for Academy and Beyond,” “Digital History,” and “On the Job Market.”

PROFESSIONAL DEVELOPMENT EVENTS
Throughout the year, the Graduate Program sponsors various workshops intended to help students negotiate specific milestones of graduate study and to assist them in preparing for and going on the job market as they near completion of the Ph.D. Our programming currently includes:

Preliminary Examination Workshop
This offers a discussion of the various requirements for preliminary examinations: how to assemble committees, compiling reading lists, Graduate School requirements, and more.

Curriculum Vitae Workshops
These workshops are designed for students at all levels, ranging from first-year students writing CVs for campus positions to advanced dissertators on the job market.

Mock Interviews
The Graduate Program offers a series of opportunities to practice with a committee of our faculty for AHA interviews and on-campus job talks. They are open to a limited number of students who expect to be actively on the job market in the fall.

Careers in History Workshops
Our program is committed to helping its graduates seek and secure employment following the completion of their Ph.D. Since the financial crisis in 2008, the academic job market has softened markedly. While the Graduate Program continues to provide outstanding preparation for academic jobs, we also encourage our students to think more broadly about their career prospects and the transferability of their skills. As funds permit, we occasionally bring to campus History graduates who are working in the non-profit, private, or public-sector to meet with current graduate students and share their experience. We also offer opportunities to learn best practices for post-doctoral fellowship applications.

LEARNING OUTCOMES

1. Articulates research problems clearly and understands the limits of current theories, knowledge, or practices within HSMT.
2. Pushes the boundaries of current knowledge in HSMT in formulating research questions, in the selection or use of primary sources, or in interpreting evidence.
3. Demonstrates breadth within their learning experiences.
4. Communicates complex ideas in a clear and understandable manner.
5. Gains appropriate experience relating to designing and teaching university-level courses.
6. Is able to articulate the broader significance of their work and the discipline of HSMT to scholars in other fields or disciplines and to the wider public.
7. Fosters ethical and professional conduct.

Policies

GRADUATE SCHOOL POLICIES
The Graduate School’s Academic Policies and Procedures (https://grad.wisc.edu/acadpolicy) provide essential information regarding general university policies. Program authority to set degree policies beyond the minimum required by the Graduate School lies within the degree program faculty. Policies set by the academic degree program can be found below.

MAJOR-SPECIFIC POLICIES

GRADUATE PROGRAM HANDBOOK
The Graduate Program Handbook (https://history.wiscweb.wisc.edu/wp-content/uploads/sites/202/2017/05/graduate-handbook2017-18.pdf) is the repository for all of the program’s policies and requirements.

PRIOR COURSEWORK

Graduate Work from Other Institutions
Total credits transferred for the Ph.D. requirements, including those approved for the M.A., may not exceed 19 credits. No credits earned more than ten years before admission to the Ph.D. program may be used. A maximum of 5 credits earned between five and ten years before admission to the Ph.D. program may be used. No credits carrying a grade below B may be applied toward graduate credit requirements.

UW–Madison Undergraduate
No credits from a previous undergraduate degree are allowed to count toward our graduate degree.

UW–Madison University Special
With program approval, students are allowed to count no more than 9 credits of coursework numbered 300 or above taken as a UW–Madison University Special student. Coursework earned ten or more years prior to admission to a doctoral degree is not allowed to satisfy requirements. No credits carrying a grade below B are transferable.

Probation
The Graduate School regularly reviews the record of any student who earned grades of BC, C, D, F, or Incomplete in a graduate course (300 or above), or grade of U in research credits. This review could
result in academic probation with a hold on future enrollment or in being suspended from the Graduate School.

**ADVISOR / COMMITTEE**

Every graduate student is required to have an advisor. An advisor is a faculty member, or sometimes a committee of advisors, from the major department responsible for providing advice regarding graduate studies. To ensure that students are making satisfactory progress toward a degree, the Graduate School expects them to meet with their advisor on a regular basis. Students can be suspended from the Graduate School if they do not have an advisor.

Ph.D. Dissertation Committee: The committee must have at least four members; normally in the Department of History the committee is composed of five. Three members must be History faculty (https://history.wisc.edu/faculty.htm) or affiliates (https://history.wisc.edu/faculty_affiliates.htm) (the advisor and two others). At least one other member must be a UW–Madison faculty member from another department; History faculty holding joint appointments may serve as the faculty member from another department. Emeriti faculty who are within one year of their retirement date may serve as a full member of a four-person committee. If the committee has five members, the fifth faculty member may be emeritus or a “qualified outsider,” as determined by the student’s major professor (e.g., a professor from another university or a person with expertise relevant to the dissertation). With faculty approval, students may choose to have two faculty designated as co-advisors of their dissertation.

**CREDITS PER TERM ALLOWED**

15 credits

**TIME CONSTRAINTS**

Doctoral degree students who have been absent for ten or more consecutive years lose all credits that they have earned before their absence. Individual programs may count the coursework students completed prior to their absence for meeting program requirements; that coursework may not count toward Graduate School credit requirements.

A candidate for a doctoral degree who fails to take the final oral examination and deposit the dissertation within five years after passing the preliminary examination may by required to take another preliminary examination and to be admitted to candidacy a second time.

**OTHER**

Part time enrollment is permitted, full time preferred.

**PEOPLE**

**Faculty:** Professors Boswell (chair), Chamberlain, Cronon, Dennis, Desan, Dunlavy, Enke, Enstad, Hansen, Hirsch, Hsia, Johnson, Kantrowitz, Keller, Kleijwegt, Koshar, Lederer, McCoy, McDonald, Michels, Mitman, Neville, Nyhart, Plummer, Reese, Roberts, Sharpless, Shoemaker, Sommerville, Sweet, Thal, Wandel, Wink, Young; Associate Professors Chan, Cheng, Enke, Hall, Houck, Ipsen, Kim, Kodesh, Murthy, Ratner-Rosenhagen, Taylor, Ussishkin; Assistant Professors Bitzan, Brown, Callaci, Chamedes, Ciancia, Gómez, Haynes, Hennessy, Hicks, Iber, Jackson, Kinzley, Lapina, Murthy, Nelson, Whiting