DOCTOR OF PHILOSOPHY IN TECHNOLOGY AND HUMANITIES

Coursework

72 credit hours beyond the bachelor's degree, including:

- Core curriculum (30 credit hours)
- Electives (minimum of 15 credit hours)
- Dissertation research (minimum of 24 credit hours)
- Additional electives or dissertation research (as needed to achieve total of 72 credit hours)

Examinations

- Qualifying examination
- Comprehensive examination
- Dissertation proposal
- Dissertation (final thesis) examination

Transfer Credits

Students who have already earned master's degrees or undertaken graduate work in relevant fields may transfer credit hours toward the doctoral degree (up to 36 credit hours for graduate coursework in relevant fields at Illinois Institute of Technology, up to 30 credit hours for graduate coursework in relevant fields at other institutions).

Curriculum

Code	Title	Credit Hours
Core Courses		**(18)**
COM 521	Theory in Technology and Humanities	3
COM 538	Entrepreneurship in Technical Communication	3
or BUS 510	Strategic Management	
or IDX 560	Introduction to Design Thinking	
or IDX 562	Multidisciplinary Innovation	
COM 545	Academic Writing	3
COM 601	Research Methods and Resources	3
COM 602	Qualitative Research Methods	3
or COM 603	Quantitative Research Methods	
HUM 610	Technology and Humanities Seminar	3
Additional Required Courses		**(12)**
Select a minimum of one course from each of the categories below:		12
Communication and Media Studies group; other courses as approved by adviser.		
Linguistics group; other courses as approved by adviser.		
Any 400- or 500-level course in history		
Any 400- or 500-level course in philosophy		
Specialization Courses		**(15)**
Select 15 credit hours from the Communication and Media Studies, Linguistics, Philosophy, or Technical Communication groups, or a student-proposed, adviser-approved specialization of 15 credit hours.		15
Ph.D. Research		**(24-36)**
COM 691	Research & Thesis Ph.D. [1]	24-36

Minimum degree credits required: 72

[1]   Students exceeding the allowed 36 credit hours of research will be denied further study and will be removed from the program.

Technology and Humanities Areas of Concentration

Communication and Media Studies

Code	Title	Credit Hours
COM 528	Document Design	3
COM 530	Standards-Based Web Design	3
COM 531	Web Application Development	3
COM 532	Rhetoric of Technology	3
COM 541	Information Structure and Retrieval	3
COM 552	Gender and Technological Change	3
COM 553	Media and Globalization	3
COM 554	Science and Technology Studies	3
COM 571	Persuasion	3
COM 574	Communications in Politics	3
COM 577	Communication Law and Ethics	3
COM 584	Humanizing Technology	3

Linguistics

Code	Title	Credit Hours
COM 501	Introduction to Linguistics	3
COM 506	World Englishes	3
COM 508	Structure of Modern English	3
COM 509	History of the English Language	3
COM 510	The Human Voice: Description, Analysis, and Application	3
COM 515	Discourse Analysis	3

Philosophy

Code	Title	Credit Hours
PHIL 551	Science and Values	3
PHIL 560	Ethics	3
PHIL 570	Engineering Ethics	3
PHIL 571	Ethics in Architecture	3
PHIL 573	Business Ethics	3
PHIL 574	Ethics in Computer Science	3
PHIL 580	Topics in Philosophy	3
PHIL 597	Special Problems in Philosophy	1-6
PHIL 691	Research and Dissertation	1-6

Technical Communication

Code	Title	Credit Hours
COM 503	Analyzing and Communicating Quantitative Data	3
COM 511	Linguistics for Technical Communication	3
COM 523	Communicating Science	3
COM 525	User Experience Research and Evaluation	3
COM 528	Document Design	3
COM 529	Technical Editing	3
COM 530	Standards-Based Web Design	3
COM 531	Web Application Development	3
COM 535	Instructional Design	3
COM 541	Information Structure and Retrieval	3
COM 542	Knowledge Management	3
COM 561	Teaching Technical Communication	3
COM 571	Persuasion	3
COM 574	Communications in Politics	3

| COM 577 | Communication Law and Ethics | 3 |
| COM 585 | Internship | 1-20 |

Elective Courses

Up to 15 credit hours of any 400- or 500-level coursework with adviser approval. A maximum of nine credit hours of 400-level courses may be used.

Additional Courses

Additional coursework or dissertation research sufficient to meet the requirement of 72 credit hours beyond the bachelor's degree. All work for a doctoral degree should be completed within six calendar years after the mandatory doctoral advising meeting; if it is not, then the student must re-pass the qualifying examination.

Examinations

The **Qualifying Examination** assesses a student's analytical ability, writing skills, and research potential. The exam must be taken by the end of the student's third semester in the Ph.D. program. Each student prepares a brief statement of research interests and a qualifying paper—a sole-authored research paper of at least 5,000 words, demonstrating original analysis and familiarity with existing research. The examining committee consists of three Category I faculty, at least two from the technology and humanities program. Based on exam results, the committee may recommend changes to the student's plan of study. If the student fails the qualifying examination, the committee may recommend a re-examination. The second attempt at the exam is regarded as final.

The **Comprehensive Examination** assesses a student's expertise and ability to apply the literature in three research areas. The exam should be taken by the end of the student's third year in the Ph.D. program. The examining committee consists of three Category I faculty from the technology and humanities program and one from a Ph.D.-granting academic unit at the university other than the Department of Humanities. The student works with the committee to select research areas and develop a reading list for each one. Areas and reading lists must be approved by all committee members prior to the exam. A timed, written exam requires the student to respond to one or more questions in each area. The committee may recommend a re-examination over any area(s) that the student fails. The second attempt at the exam is regarded as final.

The **Dissertation Proposal** is a detailed written plan for original research that will culminate in the dissertation. The proposal is typically presented within one semester after the student has passed the comprehensive examination. The proposal is developed under the guidance of the student's major adviser and typically addresses:

1. the research problem or issue to be investigated
2. its significance to the field
3. a thorough review of relevant research
4. a detailed description of and rationale for the research method(s) to be used
5. a plan of work
6. a statement of anticipated results or outcomes

The proposal review committee consists of four Category I faculty: three from technology and humanities and one from a Ph.D.-granting academic unit at the university other than the Department of Humanities. The committee must formally approve the proposal before the student begins further work on the dissertation. As part of the review process, the committee may request one or more meetings with, or presentations by, the student.

The **Final Thesis Examination** is an oral defense of the dissertation. The dissertation committee consists of four Category I faculty: three from technology and humanities and one from a Ph.D.-granting academic unit at the university other than the Department of Humanities. A student who fails the exam may be re-examined after 30 days. The second attempt at the exam is regarded as final.

The **Dissertation** should constitute an original contribution to scholarship in technology and humanities and may address areas of interaction between technology and humanities and other disciplines (e.g., history, linguistics, literature, philosophy, and rhetoric/composition). The research topic and method may be empirical (perhaps employing the facilities of the Humanities and Technology Lab or Speech Analysis Lab), pedagogical, historical, or theoretical.