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# Academic Requirements

The Department of Astronomy and Astrophysics offers a graduate program leading to the Doctor of Philosophy degree. The following summarizes the curriculum, procedures, and regulations required of students in the graduate program. A statement of University policies and regulations, and expected standards of student conduct that are applicable to all students, can be found in The University of Chicago Student Manual of Policies and Regulations\(^1\) and the Physical Sciences Division Student Policies\(^2\). At the end of this handbook is a quick reference guide to key contacts in the department, the Physical Sciences Division (PSD), and the University to assist you with various aspects of graduate student life. Additional resources\(^3\) can be found on the department website.

## Overview

The requirements for the Ph.D. in Astronomy and Astrophysics are satisfied through achieving the following milestones:

- Satisfactory completion of required Core Graduate Courses.
- Satisfactory completion of pre-candidacy research projects.
- Successful completion of a two-part Candidacy Exam.
- Completion of the teaching practicum.
- Identification of a Thesis Advisor and topic.
- Formation of a Thesis Committee.
- Thesis research and preparation.
- Final Examination.

Meeting these milestones in a timely manner contributes to making satisfactory academic progress leading to the Ph.D.

## Core and Required Courses

Students complete the Core Graduate Courses in the first two years of graduate study (during the pre-candidacy stage). These courses should be taken in the order listed below. Satisfactory completion of Core courses is required to advance to candidacy. In addition to the Core courses, students enroll in ASTR 35000 Order of-Magnitude Astrophysics in their first quarter. In subsequent quarters in the first and second years, students enroll in ASTR 49900 Graduate Research Seminar.

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1. [https://studentmanual.uchicago.edu/](https://studentmanual.uchicago.edu/)
2. [https://physicalsciences.uchicago.edu/academics/dean-of-students/policies-for-current-students/](https://physicalsciences.uchicago.edu/academics/dean-of-students/policies-for-current-students/)
3. [https://astrophysics.uchicago.edu/resources/for-students/](https://astrophysics.uchicago.edu/resources/for-students/)
The Core courses are:

- ASTR 30100 Stars (Autumn year one)
- ASTR 31000 Cosmology I (Winter year one)
- ASTR 30400 Galaxies (Spring year one)
- ASTR 30300 Interstellar Matter (Autumn year two)
- ASTR 31100 High Energy Astrophysics (Winter year two)
- ASTR 30600 Radiation Measurements (Spring year two)

**Placing out of Core Graduate Courses**

A student entering the graduate program in Astronomy and Astrophysics with a Master’s Degree may place out of one or more of these courses by demonstrating completion of a similar level course at a previous institution. In place of the waived Core course, the student will enroll in a graduate-level elective course to meet the 300-unit requirement. Students seeking a course waiver should first discuss this option with the course instructor. It is helpful to provide the instructor with a syllabus from the course previously taken indicating the topics covered. Once approved, the course instructor will notify the Deputy Chair for Academic Affairs. Students who complete Core courses while Master’s students at UChicago will receive transfer credit.

**Pre-Candidacy Research**

In the first two years of the program, students undertake research projects in the course ASTR 37100 Pre-Candidacy Research. The course aims to facilitate opportunities for students to gain broad exposure to, and engage in, faculty research activities and results in work that is presented at the Candidacy Exams. Students may contact a faculty member directly to arrange for a research project as part of ASTR 37100, or they may consult with their faculty mentor or the Deputy Chair for Academic Affairs for guidance in identifying a research supervisor. Students must have arrangements with their research supervisors in place before enrolling in this course.

**Electives**

Electives numbered in the 300s and 400s provide more depth in particular research areas, allowing students to explore topics of interest. Students may take electives during pre-candidacy or following advancement to candidacy. Students are encouraged to consult with the Deputy Chair for Academic Affairs, their research advisor, faculty mentor or other faculty member as to appropriate courses that coordinate with their research interests. Electives may be taken in other departments, provided they are numbered in the 300s and 400s.

**Enrollment**

The University of Chicago is on the quarter system. Students must be enrolled for a minimum of 300 units of coursework per quarter, including summer, to maintain full-time scholastic residence. (One
course is equal to 100 units.) Courses are offered in the Autumn, Winter, and Spring Quarters only. During the Summer Quarter, students enroll in 300 units of research. Enrollment starts the week before the quarter begins through the My.UChicago portal. Additional information about graduate student enrollment can be found on the Physical Sciences Division website.

Sample Pre-Candidacy Schedule

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<tr>
<th>Year 1</th>
<th>Autumn</th>
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<th>Spring</th>
<th>Summer</th>
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<td>ASTR 30100</td>
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<td>ASTR 37100</td>
<td>ASTR 37100 Pre-Candidacy Research</td>
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<td>Stars</td>
<td>Galaxies</td>
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<td>ASTR 35000</td>
<td>ASTR 49900</td>
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<td>ASTR 49900 Graduate Research Seminar</td>
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<td>Order-of-Magnitude Astrophysics</td>
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<td>Elective (optional)</td>
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<th>Year 2</th>
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<th>Spring</th>
<th>Summer</th>
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<td>ASTR 30300</td>
<td>ASTR 31100</td>
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<td>Interstellar Matter</td>
<td>High Energy Astrophysics</td>
<td>Detection of Radiation</td>
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<td>Elective (optional)</td>
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|        | Total 400 units  | Total 400 units | Total 400 units | Total 300 units                     |

4 https://my.uchicago.edu/
5 https://physicalsciences.uchicago.edu/academics/dean-of-students/course-enrollment/
6 Students who matriculated in Autumn 2020 will take an elective to replace ASTR 49900 in AQ 2021.
Academic Expectations

Satisfactory Academic Progress

All graduate students are expected to make timely progress towards meeting and completing the milestones for the Ph.D. in Astronomy and Astrophysics in order to maintain satisfactory academic progress and remain in Good Standing in the Physical Sciences Division. Specifically, making satisfactory academic progress entails the following:

- Students are expected to attend classes for the fully scheduled time period.
- Students are expected to participate collegially, honestly, and ethically in all course and research activities.
- Students are expected to maintain an average grade of B (3.0 on a scale of 4.0) or better in his/her course work at the 300-level. (If a student falls below this average, the Deputy Chair for Academic Affairs, in consultation with the student and other faculty, will identify appropriate actions for enhancing academic progress.)
- Students are expected to attend the weekly Astronomy Colloquia and to participate actively in colloquia discussions.
- All required coursework must be completed before the second part of the Candidacy Exam (i.e., within two years of matriculation).
- Students must strive to develop the professional competencies of an early career scientist (see p. 12, The Candidacy Examinations).
- Students must address any recommendations put forth by the Candidacy Committee that arise in candidacy exams by demonstrating progress toward improvement.
- Within one quarter of successfully passing the second candidacy exam, the student must establish a Thesis Committee and thesis topic.
- Once the Thesis Committee is established, the student is responsible for arranging meetings with this group no fewer than two times per year.

If a student does not reach program milestones and maintain satisfactory academic progress, s/he is deemed to be not in Good Standing and may be placed on Academic Probation. Students on Academic Probation will be informed in writing about the expectations for how they may return to Good Standing and given a timeline for completion of those requirements, generally a minimum of one quarter. Students who are unable to meet the expectations outlined in the Academic Probation letter may not be permitted to continue in the program. Please contact the Student Affairs Administrator or Deputy Chair for Academic Affairs for any questions about relevant degree milestones or maximum timelines for completion of requirements.
Grades

Core courses are taken for a quality (letter) grade. Students are expected to maintain a minimum 3.0 GPA on a scale of 4.0. In certain elective courses, an instructor may choose to issue a grade of Pass/Fail (P/F). The grade P has not point value but confers credit. A student may request a letter grade instead of P/F. Students may also audit courses, with the consent of the instructor. The grade issued for an audited course is R. These grades have no point value and confer no credit.

ASTR 37100 Pre-Candidacy Research, as well as ASTR 49400 Post-Candidacy Research, are typically taken P/F, but a letter grade may be requested by the student. Instructors of ASTR 37100 are expected to provide feedback to the student on their development as independent researchers as part of the evaluation for this course on the Graduate Research Assistantship form.

In truly exceptional situations, the grade of I (Incomplete) will be given when a student has substantially completed a course but is unable to finish it before final grades are due to the Registrar. In this instance, the student must submit a letter to the Deputy Chair for Academic Affairs that outlines the work to be completed, the deadline for the completion, and the grade that will be awarded, automatically, if the work is not completed by the specified deadline. The letter must be signed by both the student and instructor and submitted before the date when grades are due to the Registrar. The instructor sets the deadline for course completion within three months of the original due date, unless the Deputy Chair for Academic Affairs approves a later deadline.

Mentoring

Each admitted student is assigned a faculty mentor who will help the student navigate graduate school by guiding them to achieve academic and professional goals and supporting their well-being and personal development. The faculty mentor can help students in course selection, advise when difficult situations arise, provide coaching when preparing for oral exams, and counsel regarding postdoc placement or other career options. Faculty mentors are assigned by the Chair of the Department of Astronomy and Astrophysics. Students wishing to change their faculty mentor assignment should contact the Graduate Student Affairs Administrator.

First-year students are also assigned peer mentors. Graduate students who are interested in mentoring the incoming class volunteer for this role by notifying the Graduate Student Affairs Administrator.

Academic Advising

The Deputy Chair for Academic Affairs is the de facto Academic Advisor to incoming graduate students. Students may also consult with their faculty mentor concerning their program and progress, especially during their first year or until another advising relationship has been established (for example, with the supervisor of ASTR 37100 Pre-Candidacy Research course).
Participation in the Department

In addition to the weekly colloquia, there are numerous departmental events offered each week that highlight departmental faculty and their research activities. It is beneficial for students to attend these events and to meet with faculty informally outside of classes to become acquainted with members of the department. Students may also attend any of the numerous seminars associated with individual research groups. A master schedule of these events is available on the Astronomy and Astrophysics Department website.⁷

Full-time Scholastic Residency Requirement

Students are expected to maintain full-time scholastic residence of at least 300 units of coursework per quarter, including summer. Should circumstances arise that necessitate a Leave of Absence, the student should notify his or her research advisor and the Graduate Student Affairs Administrator. Leave of Absence requests require the approval from the Dean of Students in the Physical Sciences. Students wishing to request leave or discontinue their studies should consult The University of Chicago Student Manual of Policies and Regulations⁸ and the Physical Sciences Division Student Policies.⁹

⁷ https://astrophysics.uchicago.edu/resources/for-students/
⁸ https://studentmanual.uchicago.edu/academic-policies/voluntary-leaves-of-absence/
⁹ https://physicalsciences.uchicago.edu/academics/dean-of-students/policies-for-current-students/#Academic%20policies
Financial Support

Graduate students receive tuition support and a monthly stipend from a combination of Teaching Assistantships (TA), Research Assistantships (RA), and fellowships.

Teaching Assistantships

All students must fulfill a teaching practicum for a minimum of two quarters. Teaching assignments include instructing lab sections for non-science majors, and sometimes, collaborative teaching with the faculty instructor of lecture courses in the Major in Astrophysics program. When assigned as a Teaching Assistant (TA) in undergraduate lab courses, the TA is responsible for the lab instruction, and will work in consultation with the course instructor and the Teaching Support Manager to prepare for and carry out this work. Students are strongly encouraged to enroll in the non-credit course, ASTR 50000 Theory and Practice of Science Education, in the first quarter in which they will serve as a TA for an introduction to the pedagogy of science. In addition, the Chicago Center for Teaching and Learning\(^\text{10}\) offers professional development to TAs through its programs and online resources.

The teaching practicum is typically completed in the first year of graduate studies, but need not be accomplished in consecutive quarters. Students who matriculate with external funding, such as a National Science Foundation Graduate Fellowship, should consult with the Graduate Student Affairs Administrator regarding completion of the teaching practicum requirement.

Research Assistantships

Research Assistantships for a single quarter or multiple quarters may be provided by faculty members who supervise students in research courses (ASTR 37100 and ASTR 49400). The student and supervising faculty member complete a Graduate Research Assistantship form, which outlines a plan for student funding for the academic year. The form is returned to the Graduate Student Affairs Administrator, who can assist with Teaching Assistant placement, if needed, in combination with the RA position.

Fellowships

Students are encouraged to seek out external fellowships, as these provide both financial support and the flexibility to focus on research goals of individual interest. This process of identifying, applying for, and securing funding is an integral part of the academic enterprise. The PSD Dean of Students\(^\text{11}\) and UChicagoGRAD\(^\text{12}\) offer resources and support for seeking external fellowship opportunities. The

\(^\text{10}\)https://teaching.uchicago.edu/
\(^\text{11}\)https://physical-sciences.uchicago.edu/page/fellowships
\(^\text{12}\)https://grad.uchicago.edu/fellowships
department will also forward external fellowship opportunities to the graduate student mailing list when these opportunities are known.
The Candidacy Examination

Advancement to candidacy involves an examination given in two parts during the second year of graduate study: part one is held before the start of the Autumn Quarter, and part two is held at the end of the Spring Quarter. The general format of the exam is a presentation by the student on a short-duration project completed in ASTR 37100 Pre-Candidacy Research, followed by an oral exam exploring the student’s research and its connection to broader astrophysical topics, coordinated by the Candidacy Committee. The purpose of the exams is to assess the student’s development as a researcher and their deepening conceptual understanding of astronomy and astrophysics. In determining a recommendation for advancement to candidacy, the Candidacy Committee considers the student’s presentations and exam performance, input from the student’s research advisors (instructors of ASTR 37100), and grades and comments from instructors of the Core courses. Generally, students should be able to demonstrate the following competencies during the Candidacy Exams:

- Skill at the analysis of a research problem and presentation of that analysis in oral and written presentations.
- A broad general knowledge of astronomy and astrophysics.
- A maturing, deeper technical knowledge of one or more subfields of astronomy and astrophysics, as reflected in thoughtful responses to questions at the oral exam.
- Progressive ability to complete a full research project.

In order to maintain timely academic progress, students are expected to participate in the exams when they are scheduled. Only in exceptional circumstances unrelated to academic matters may an exam be rescheduled at the student’s request. Students may be prevented from taking candidacy exams if they are not making satisfactory academic progress by completing the Core courses.

Part One

Part one of the candidacy examination takes place before the start of the Autumn Quarter of the second year of graduate study. It is scheduled for one hour on a date determined by the Chair of the Candidacy Committee, typically in the second half of September. Students should practice their presentation with their research advisor one or two weeks before the exam. Presentation materials should be submitted to the Chair of the Candidacy Committee three days in advance of the exam so that members can familiarize themselves with the material and references to devise appropriate questions. (Sample questions from past exams can be found here.13) The exam is attended by the Committee members and student’s research advisor(s). The student’s faculty mentor may also be invited to attend.

Exam Format

13https://docs.google.com/document/d/11hdSgT9kQu5h6FtrMhvX_vVe7AeLPKYgXEMXeYHcNaM/edit?usp=sharing
At the exam, the student makes an oral presentation, 20 minutes in length, on a short duration project (1-2 quarters of research) completed in the ASTR 37100 course. Questions are held until the presentation is over. In the remaining time (approximately 40 minutes), the student will respond to questions from the Candidacy Committee. The research presented will drive the questions posed by the committee. These will likely begin with "big picture" questions related to the presented research (scientific motivation and framing), moving on to questions probing connected aspects of the references in the presentation, and also connections between the presented work and academic courses taken previously. Specific Core course content is not typically probed in detail; however, it may be in cases where a student received a grade of C or lower or if the student does not demonstrate an understanding of the broader connection of his or her research to Core course content.

**Outcomes of Part One**

Students will receive a report from the Deputy Chair for Academic Affairs and Candidacy Committee generally one to two weeks following the examination. This report considers the student’s exam performance and input gathered from the student’s research advisor and other engaged faculty, and provides feedback on the student’s progress and any relevant suggestions for changes in focus or effort that the committee sees as helpful in progressing to a successful completion of the second part of the Candidacy Exam. If the committee identifies substantive issues during the exam, the report will provide explicit guidance on areas that must be improved. Demonstrating improvement on the areas identified by the committee is a condition for passing part two of the exam.

**Part Two**

Part two of the candidacy examination takes place after the end of the Spring Quarter in June of the second year of graduate study. The exam is scheduled on a date determined by the Chair of the Candidacy Committee. Students should practice their presentation with their research advisor one or two weeks before the exam. Students are required to provide their written report to the committee one week in advance of the examination so that members can familiarize themselves with the material and references to devise appropriate questions. (Sample questions from past exams can be found here.\(^{14}\)) Failure to present the written report may result in the committee not examining candidate, thus impeding satisfactory academic progress.

Before the exam, the student must obtain a Candidacy Form from the Graduate Student Affairs Administrator that will be signed by the Chair of the Candidacy Committee. The signed form must be returned to the Graduate Student Affairs Administrator after completion of the exam.

**Exam Format**

\(^{14}\)https://docs.google.com/document/d/11hdSgT9kQu5h6FtrMhvX_vVe7AeLPKYgXEMXeYHcNaM/edit?usp=sharing
The student makes an oral presentation on a longer duration project (3-4 quarters of research) completed in the ASTR 37100 course, accompanied by written report. The presentation need not be about the same subject as the written report. The presentation should be given in the style of a standard research seminar lasting approximately 45 minutes, followed by questions about the research and the broader context for it. The duration of the second examination is not more than two hours. It is attended by the Committee members and student’s research advisor(s). The student’s faculty mentor may also be invited to attend.

**Requirements for the Written Report**

- The report must be primarily written by the student. (Attestation for this will be made by the research advisor.)
- The content of the report should be of scientific relevance and meet the standards for publication in an international scientific journal.
- The report should be submitted for publication in a relevant journal in the student’s field by the time of the examination.
- If the report has not been submitted for publication by the time of the exam, the advisor must provide written attestation that the report is written by the student and is of a style, length, and quality of articles in the student’s field, and should be allowed to satisfy the written requirement of the exam.

**Outcomes of Part Two**

Students who pass the exam are recommended for advancement to candidacy. This recommendation is made by the Candidacy Committee to the Deputy Chair for Academic Affairs. In making a recommendation for advancement (pass or no pass), the Candidacy Committee will consider the following:

- The student’s presentation, written report, and exam performance.
- Demonstrated progress in areas identified for improvement at the first exam.
- Input from the student’s research advisor(s).
- Grades and comments from instructors of the Core courses.

In exceptional circumstances, a student who does not pass may be allowed one opportunity to retake part two of the candidacy exam by the end of the Summer Quarter of year two. Students who do not pass the second candidacy exam will be granted a Master’s Degree. This marks the completion of the graduate program and results in termination of student status at the end of Summer Quarter of year two. Questions regarding this transition should be directed to the Graduate Student Affairs Administrator.

Students who advance to candidacy may request their Master’s Degree Diploma from the Graduate Student Affairs Administrator prior to completion of the Ph.D.
Advancing to Candidacy

Advancement to candidacy is recommended when a student has successfully passed the candidacy examinations. At this point the student is eligible to apply for admission to Candidacy for the Ph.D. degree, a process governed by regulations of the Division of the Physical Sciences and administered by the PSD Dean of Students. Candidacy Application Forms are available from the Graduate Student Affairs Administrator.

Establishing the Thesis Advisor and Thesis Committee

Following successful completion of the second Candidacy Exam, the student formally chooses a Thesis Advisor and thesis topic. The advisor will help guide the student in the selection of appropriate committee members to ensure broad representation from among the faculty. For example, if the thesis is of a theoretical nature, it is appropriate to include an experimentalist/observer on the committee. Likewise, if the thesis is of an experimental/observational nature, one committee member should be a theoretician. The proposed thesis title and committee members are submitted to the Deputy Chair for Academic Affairs for approval.

Establishing the Thesis Advisor and Thesis Committee should be completed no later than the Autumn Quarter of the third year of graduate studies. If candidacy is delayed, the Thesis Committee should be completed by the end of the quarter immediately following advancement to candidacy.

Once approved, the student completes the Recommendation to Candidacy form (obtained from the Graduate Student Affairs Administrator) to formally establish the thesis title and committee membership. After the form is returned to the Graduate Student Affairs Administrator, the student is then free to contact the full Thesis Committee to schedule a first meeting. The student must notify the Graduate Student Affairs Administrator of all Thesis Committee meetings that are scheduled.

Composition of the Thesis Committee

- The group must consist of the Thesis Advisor and at least three other committee members.
- The Thesis Advisor must be a member of the teaching faculty at the University of Chicago.
- At least two members of the committee must be on the teaching faculty in the Department of Astronomy and Astrophysics.
- Remaining committee members may be selected from the faculty in the Physical Sciences Division (the Departments of Astronomy and Astrophysics, Chemistry, Computer Science, Geophysical Sciences, Mathematics, Physics, and Statistics), and scientists with appointments at Argonne National Laboratory (ANL) or Fermilab (FNL), subject to the approval of their Thesis Adviser and Deputy Chair for Academic Affairs.
External members (individuals not affiliated with the University of Chicago, ANL or FNL) are permitted to join a Thesis Committee. Students should consult with their Thesis Advisor on the selection of external members.

**Enrollment**

After candidacy is established the student enrolls in ASTR 49400 Post-Candidacy Research, and may also take electives of advanced coursework, for a minimum of 300 units per quarter (including summer). **Please note:** Until the Thesis Committee is in place, students continue to enroll in ASTR 37100 Pre-Candidacy Research.

**Academic Progress**

Once a Thesis Committee is formed, the group is expected to meet at least twice per year to review progress on the thesis project. The student is responsible for arranging the meetings. Prior to each meeting, the student must obtain a Bi-Annual Report Form from the Graduate Student Affairs Administrator for completion by the student and Thesis Advisor. The completed form must be returned to the Graduate Student Affairs Administrator.

Independent research is the hallmark of advanced study. An important responsibility of doctoral candidates is to communicate progress or problems in their research to the Thesis Advisor and committee. Students should contact the Graduate Student Affairs Administrator, the Deputy Chair for Academic Affairs, or PSD Dean of Students should they encounter issues that prevent them from making academic progress. **For students matriculating into graduate programs in the Physical Sciences Division beginning in Summer 2017,** the registration limit is seven years. Students who exceed these limits will be administratively withdrawn from their degree programs. For more information on registration limits, please see the [Physical Sciences Division website](https://physical-sciences.uchicago.edu/page/policy-phd-registration-limits-physical-sciences-division).
Thesis (Dissertation) Requirements

Guidelines

A thesis is accepted as satisfying the requirements of the Department of Astronomy and Astrophysics for the Ph.D. when it is approved by the Thesis Committee and has been, or will be, submitted for publication in a recognized scientific journal. (A paper that is deemed by the Thesis Committee to be in a state that can be submitted to a journal, or that is in review at the time of the oral defense, is sufficient to meet this requirement.) Each published paper that is submitted as (part of) a thesis must carry a notation, preferably on the first page, as follows:

Presented as (part of) a thesis to the Department of Astronomy and Astrophysics, The University of Chicago, in partial fulfillment of the requirements for the Ph.D. degree.

The published thesis must also contain acknowledgements to fellowships or traineeships held during the research period as well as to research grants and other sources of support.16

In the case of a single-author paper, the thesis is the manuscript submitted for publication, plus any supplementary appendices augmenting the presentation that might not be appropriate in a published paper. In the case of a multiple-author paper or papers (which also must fulfill the requirement of submission for publication), the thesis must be an extended version, written solely by the student and describing in detail his or her contributions to the published work. In both cases, the student’s Thesis Committee should approve the planned work at least three quarters before the Final Examination. Both types of theses (single-author paper or extended single-author version of the multiple-author paper) must be submitted in the required University-standard format. Information on formatting requirements and deadlines are available from The University of Chicago Dissertation Office.17 Students are strongly encouraged to contact the Dissertation Office to confirm deadlines and requirements at least one quarter before they intend to hold their final examination. The student is responsible for ensuring that the thesis complies with the submission and acceptance guidelines of the Dissertation Office before the Ph.D. degree can be awarded.

Final Examination

The Final Examination, or oral defense, marks the candidate’s professional entry into scholarship. A defense is a public presentation at which the candidate will present his or her research to the Thesis Committee, engage in dialogue and debate with the committee, and receive constructive criticism from

16 See also https://studentmanual.uchicago.edu/dissertation_requirements
17 https://www.lib.uchicago.edu/research/scholar/phd/
the committee. It is the responsibility of the student to arrange the date and time of the Final Examination with the Thesis Committee.

The student’s thesis forms the basis of the examination. A draft copy of the thesis must be submitted to the full Thesis Committee for review two weeks before the scheduled Final Examination. The student must obtain the Report of Final Examination for the Degree of Doctor of Philosophy form from the Graduate Student Affairs Administrator, to be completed at the end of the Final Examination.

It is the responsibility of the Thesis Committee to conduct the examination. Following the public presentation, the committee will confer privately to decide whether to accept or reject the defense of the dissertation, or, accept the dissertation with qualifications, specifying what further work will need to be done. The committee’s decision will be recorded on the Report of the Final Examination form and the form returned to the Graduate Student Affairs Administrator.

*Submission to a Journal*

The Department requires that at least one major single- or multiple-authored paper based on the thesis be submitted to appropriate refereed journal.

*Preparing for Graduation*

An Application for a Degree must be submitted by the first day of the quarter in which a student expects to graduate. The form is available from the Graduate Student Affairs Administrator. The Application for a Degree is valid only for the quarter for which it is made. If the degree is not granted at the end of the quarter in which it was expected, the student must reapply before the deadline of the next quarter. Students should consult the [Academic Calendar](http://www.uchicago.edu/academics/calendar/) for registration dates and deadlines.

Students who expect to receive a degree must have fulfilled all financial obligations to the University by the end of the ninth week of the quarter in which they expect to receive a degree. Students who fail to meet this obligation will be removed from the list of degree candidates and must re-apply for a degree after settling their accounts. Students who have questions or wish to make special arrangements for payment should make an appointment with the Bursar well in advance of the deadline for fulfilled the financial obligations.
Key Contacts

In addition to the faculty, there are several offices – departmental, divisional, University – that support your Graduate Education. This guide is intended as a quick reference to help you navigate the many resources available to you. Additional resources can be found on the department website.

<table>
<thead>
<tr>
<th>Department/Role</th>
<th>Contact Information</th>
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<tbody>
<tr>
<td><strong>Department Administrator</strong></td>
<td><strong>Jennifer Smith</strong> 834-0393, ERC 599C</td>
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<td>- General Inquiries</td>
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<td>- Space and Facilities</td>
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<td>- Visitors</td>
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<tr>
<td><strong>Academic Affairs Administrator</strong></td>
<td><strong>Julia Brazas</strong> 773-834-8401, ERC 599A</td>
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<td>- Curricula</td>
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<td>- Academic Issues</td>
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<td>- Course Catalog and Schedule</td>
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<tr>
<td><strong>Business Coordinator</strong></td>
<td><strong>Sheree Ruth</strong> 773-702-2619, ERC 499A</td>
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<td>- Reimbursements</td>
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<td>- Colloquia</td>
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<tr>
<td><strong>Website Developer</strong></td>
<td><strong>Elena Galtseva</strong> 773-702-4247</td>
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<td>- Web Content</td>
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<td>- Hallway Screens</td>
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<td><strong>Financial Administrator</strong></td>
<td><strong>Catherine Burroughs</strong> 773-834-8870</td>
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<td>- Grants and Fellowships Administration</td>
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<tr>
<td><strong>Chair</strong></td>
<td><strong>Josh Frieman</strong> 773-834-0287, ERC 599E</td>
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<tr>
<td><strong>Chair, Candidacy Committee</strong></td>
<td><strong>Damiano Caprioli</strong> 773-834-0824, ERC 511</td>
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<td><strong>PSD Dean of Students</strong></td>
<td><strong>Bahareh Lampert</strong> 773-702-8790, ERC 307</td>
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<tr>
<td><strong>Graduate Student Affairs Administrator</strong></td>
<td><strong>Laticia Rebeles</strong> 773-702-9808, ERC 599B</td>
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<td>- Graduate Admissions</td>
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<td>- Teaching Assistant Placements</td>
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<td><strong>Teaching Support Manager</strong></td>
<td><strong>Brent Barker</strong> 773-702-8323, KPTC 314</td>
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<td>- Undergraduate Lab Management</td>
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<td>- Teaching Assistant Training and Supervision</td>
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<td>- Instructional Support</td>
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<td><strong>Systems Administrator</strong></td>
<td><strong>Carolyn Topper</strong> 773-702-4247, ERC 495</td>
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<td>- Research Computing Support</td>
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<td>- Laptop Procurement and Setup</td>
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<td><strong>KICP Administrator</strong></td>
<td><strong>Maureen Lowery</strong> 773-834-5623, ERC 499C</td>
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<td>- General Inquiries for KICP</td>
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<td>- Space and Facilities on the 4th Floor</td>
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<td>- Keys for the 4th Floor</td>
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<td>- KICP Visitors</td>
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<td>- KICP Colloquia</td>
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<td><strong>Deputy Chair for Academic Affairs</strong></td>
<td><strong>Fausto Cattaneo</strong> 773-702-0562, ERC 507</td>
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<td><strong>Ombudspersons</strong></td>
<td><strong>Leslie Rogers</strong> 773-834-2436, ERC 537</td>
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<td><strong>Daniel Holz</strong> (773) 834-3306, PRC 435</td>
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<td><strong>Office of the Student Ombudsperson</strong></td>
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