

THE PROGRESSION TO CANDIDACY

COURSE WORK: Complete all required course work.

▲ = required core

- I. 500-LEVEL PHYSICS: 27 hours of physics courses (roughly 9 courses) with a B- or better:
 (Note: To achieve candidacy, you must complete 36 Rackham fee hours. [See the Rackham Graduate Student Handbook for more information.] To achieve a doctorate, you must complete a total of 68 fee hours.)

505▲	_____ credits	521	_____ credits
506▲	_____ credits	522	_____ credits
507	_____ credits	523	_____ credits
510▲	_____ credits	530	_____ credits
511▲	_____ credits	540	_____ credits
512▲	_____ credits	541	_____ credits
513	_____ credits	542	_____ credits
519	_____ credits	other	_____ credits of _____
520	_____ credits	other	_____ credits of _____
TOTAL _____ credits		vs. _____ Rackham Fee Total	

- II. Physics 501: Students are required to register for this class in the fall and winter terms of their first year.

Fall Winter

- III. 600-LEVEL PHYSICS: 2 hours of 600-level physics course work with a B or better.
 (This requirement may be completed after candidacy.)

600+ _____ credits of _____

- COGNATE: Take and pass 4 hours of cognate with a B- or better.*

_____ credit(s) of _____ _____ credit(s) of _____

- QUALS: Take and pass the Qualifying Exams, Part I and Part II by the end of your second year.

Part I: Classical Physics

Part II: Modern Physics

- RESEARCH: Complete 4 credit hours of supervised, non-thesis research (Physics 515/715).

- PRELIM: Take and pass your Preliminary Exam.

- Form a Prelim Exam Committee, comprised of three professors, with your research advisor as chair.
- Write a 2-3 page Research Abstract (see note below) and distribute to members of the Prelim Exam Committee and the Office of Student Services well in advance of the Prelim Exam.
- The Prelim Exam will be a presentation of research-related material as determined by the chair of the Prelim Exam Committee.
- Just prior to your prelim, pick up an Oral Examination Evaluation Form from the Office of Student Services. Take the form to your Prelim Exam, obtain signatures from your committee, and return the form to the Office of Student Services.
 - **Note:** The Research Abstract is a required *component* of the Prelim Exam. An abstract is a two to three page summary intended to show faculty members on the Prelim Exam Committee that you are currently engaged in a research problem. That problem doesn't necessarily need to be part of the dissertation research, nor is it required to be part of the Prelim Exam. A copy of this abstract must be filed with the Office of Student Services along with the Oral Examination Form in order to be advanced to candidacy.

- CANDIDACY: Upon receipt of both the Oral Examination Evaluation Form and the Research Abstract—if you have completed all of the above requirements—the Office of Student Services will complete and forward the Nomination for Candidacy Form directly to Rackham. Students are expected to achieve candidacy by the beginning of their third year.

*Students enrolling prior to Fall 2007 are eligible to advance to candidacy with a C- in the cognate course.

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- ❑ View the Candidacy Deadline list from the Rackham website and know your deadlines.
<http://www.rackham.umich.edu/OARD/candidacydeadlines.html>