

## **Graduate Student Timeline -- Target Dates**

Although each student takes a unique path through graduate school, these targets for achieving various milestones may be useful. See below for more details on coursework, exam, and research timing, including deadlines for acceptable progress. If you think you may not meet the deadlines, talk to Angela to learn more about your options.

### **First Year**

- Complete required core classes (200ABC, 204AB, 215AB, 219A)
- Explore research areas through colloquium, Physics 295 (Winter), informal discussions
- Spring: Begin attending research group meetings
- Summer: Select research adviser, do trial project
- Summer: Study for Preliminary Examination

### **Second Year**

- Fall: Pass Preliminary Examination and earn Masters degree
- Complete cluster courses (vary by specialization)
- Continue working with research group
- Prepare for Qualifying Examination

### **Third Year**

- Fall: Pass Qualifying Examination and advance to candidacy
- Continue research

### **Fourth and Fifth Years**

- Continue research and begin publishing papers

### **Sixth Year**

- Write dissertation and graduate
- Apply for postdoctoral positions or other jobs

### **Coursework**

#### **Normal progress**

Core classes (200ABC, 204AB, 215AB, 219A) - first year

Cluster classes (vary by specialization) - second year

### Possible reasons for exceptions

Taking missing undergraduate coursework in first year in place of some core classes

Taking advanced classes in first year if exempted from some core classes

Delaying one or more core classes to the second year in order to take research-related courses that are not offered each year or are particularly valuable in starting research

### Deadlines for acceptable progress

Completing core classes (200ABC, 204AB, 215AB, 219A) - second year

Completing cluster classes (vary by specialization) - third year

## **Exams**

### Normal progress

Preliminary examination - pass at beginning of second year

Qualifying examination - pass by December of third year

### Possible reasons for exceptions, qualifying examination

Required cluster courses not available before December deadline

Difficulties scheduling a date that works for entire committee

Change of research area after winter of the second year

### Deadlines for acceptable progress

Preliminary examination - pass at beginning of third year. In rare cases students may receive a one-year extension to the beginning of the fourth year.

Qualifying examination - attempt by June of third year; pass before the beginning of the fourth year. A student who receives an extension on the preliminary exam should pass the qualifying

exam by June of the fourth year. *The qualifying exam deadline has financial consequences, which are especially strict for international students.*

## **Research**

### Normal progress

Explore research areas through colloquium, Physics 295, informal discussions - first year

Begin attending research group meetings - spring of first year

Select research adviser, do trial project - summer after first year

Prepare for qualifying exam - second year; allow one full year after beginning research

Publish initial work - fourth year; may vary significantly

Complete research for dissertation - fifth year; may vary significantly

Write dissertation - sixth year; allow at least 6 months and preferably 1 year

### Possible reasons for exceptions

Beginning research later to commit more time for preliminary exam studying in the summer after the first year

Needing additional coursework before beginning in the chosen research area

Exploring several groups concurrently to select the best fit

Changing research group or area after an initial trial

Working on research involving significant initial construction or programming efforts, so that publishable results occur later in graduate school

### Deadlines for acceptable progress

Select research adviser - June of second year

Prepare for qualifying exam - third year; allow at least 6 months from starting research

Complete dissertation - end of eighth year. *For many students funding issues arise before 8 years. International students who do not finish within 5 years of passing the qualifying examination face severe financial consequences.*