

**Start Ph.D.**  
(transferred from  
M.Sc. at Mac)

**Research,  
Teaching  
Assistant**

**1st Committee  
Meeting**  
(>12 months)

**Research,  
Teaching  
Assistant**

**Comprehensive  
Exam**  
(18-20 months)

**Research,  
Teaching  
Assistant,  
Course**  
(optional)

**Committee Meetings**  
(at least every 12 months)

**Write Thesis,  
Departmental  
Seminar &  
Defend**