

PhD Program in Astrophysics

1st year

Required Courses

2nd year

Spring/Summer

3rd year and beyond

ASTR 8001 Order of Mag Astro	ASTR 8001 Order of Mag Astro
ASTR CORE or Elective	ASTR CORE or Elective
ASTR CORE or Elective	ASTR CORE or Elective
ASTR 8999 Non-Cand Research	ASTR 8999 Non-Cand Research
ASTR 8003 Astro Seminars	ASTR 8003 Astro Seminars
ASTR 8002 Teaching Practicum	ASTR 8002 Teaching Practicum

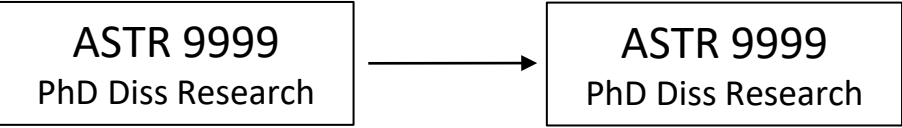
ASTR 8001 Order of Mag Astro	ASTR 8001 Order of Mag Astro
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ASTR 8999 Non-Cand Research	ASTR 8999 Non-Cand Research
ASTR 8003 Astro Seminars	ASTR 8003 Astro Seminars
ASTR 8002 Teaching Practicum	ASTR 8002 Teaching Practicum

Qualifying Exam:
Write and defend a research proposal

“Work. Finish. Publish.” – M. Faraday
Publish one or more peer-reviewed journal articles

Continue attending Journal Club, Astro Lunch, Dept Colloquium, National and International Meetings

PhD Defense:
Write and defend a research dissertation



Four semesters of Astr 8003 are required.

At least two semesters of Astr 8002 required.

*Formal courses: 7 hrs
Research: 5 hrs*

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Research: 5 hrs*

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Research: 5 hrs*

*Research credits up to 72 hours if needed,
otherwise 0 credit hours of ASTR 9999 each semester*

Astrophysics Core Courses

ASTR 8010 Radiative Processes	ASTR 8050 Struct Form Univ	ASTR 8080 Data Astro Surveys
ASTR 8030 Stellar Astrophysics	ASTR 8060 Obs Methods	ASTR 8090 Rel. Astrophysics
ASTR 8040 Struct Dyn Galaxies	ASTR 8070 Astrostatistics	ASTR 8100 MM BH Astrophysics

At least 6 core courses are required.

Astrophysics Electives

ASTR 8020
Selected Topics

Graduate courses in ASTR, PHYS, and other programs may also count if approved by the GPC.