Astrophysical Sciences & Technology MS
Semester Core and credit requirements

Credit and Thesis Requirements
Students must earn a minimum of 32 credits in total, consisting of at least 18 course credits and at least 8 research credits. Students must also complete and defend a research thesis.

Common Core
All students are required to complete 2 semesters of Graduate Seminar (counted towards research credit) and 4 core courses:

- ASTP-610 Mathematical Methods for Astrophysics or ASTP-611 Statistical Methods for Astrophysics
- ASTP-613 Astronomical Observational Techniques
- ASTP-615 Radiative Processes
- ASTP-617 Astrophysical Dynamics

Students may take either ASTP-610 or ASTP-611 to fulfill the core requirement.

Scheduling
The core courses ASTP-613, 615 and 617 will be offered annually. All other AST courses will be offered bi-annually.

Transfer to PhD
Students initially admitted to the MS program may transfer to the PhD by successfully completing the PhD Qualifying Examination. In such cases, students will typically select courses from one of the three PhD tracks described in the documentation for that program.

Terminal Masters
In addition to the core courses, a student would typically take the following:

- COS-ASTP-730 Stellar Structure & Atmospheres
- COS-ASTP-740 Galactic Astrophysics
- COS-ASTP-750 Extragalactic Astrophysics
- COS-ASTP-760 Intro to Relativity & Gravitation