Requirements for Astronomy B.A. Degree
(For students entering the University Fall 2013 or later)

This track is designed for students seeking careers in teaching, museum work, science writing, pre-med, etc. Majors in this track must develop a plan to complete course requirements with their advisor.

The requirements listed below are the Department major requirements only. In addition, to graduate you will need to satisfy the University General Education requirements and the College requirement for proficiency in a foreign language (see the College web site for how this may be satisfied).

Astronomy Courses:

ASTRON 191A: First Year Seminar (1 cr, Fall semester only)

ASTRON 224: Stellar Astronomy (4 cr, usually Spring semester) or ASTRON 225: Galactic and Extragalactic Astronomy (4 cr., usually Spring semester)

ASTRON 228: Stars and Galaxies (3 cr, Spring semester only)

ASTRON 301: Writing in Astronomy (3 cr, satisfies Junior year writing requirement – Spring semester only)

ASTRON 335: Modern Astrophysics (4 cr, Fall semester only)

ASTRON 339: Astronomy in a Global Context (3 cr., satisfies integrative experience requirement - Spring semester only)

Two additional Astronomy courses (each at least 3 credits) at any level and one additional course at 300+ level (at least 3 credits) in astronomy or closely related fields in other Departments (such as Physics or Geoscience – with Advisor approval)

Some options for 200+ and 300+ Astronomy courses:

ASTRON 220: Special Topics in Astronomy (3 cr., usually Fall semester)
ASTRON 223: Planetary Science (3 cr., usually Fall semester)
ASTRON 226: Cosmology (3 cr, usually Fall semester)
ASTRON 330: Topics in Astrophysics (3 cr., usually Fall semester)
ASTRON 337: Techniques of Optical and Infrared Astronomy (4 cr., Fall semester)
Physics Courses:

PHYSIC 151 (with lab): General Physics I (4 cr., fall or spring semesters)

PHYSIC 152 (with lab): General Physics II (4 cr., fall or spring semesters)

PHYSIC 281: Computational Physics (3 cr, Fall semester only)

PHYSIC 284 (and lab PHYSIC 286): Modern Physics I (4 cr., Spring semester only)

Math Courses:

MATH 131: Calculus I (4 cr., fall or spring semesters)

MATH 132: Calculus II (4 cr., fall or spring semesters)

Suggested Course Schedule:

Freshman Year:

Fall: ASTRON 191A, PHYSIC 151, MATH 131
Spring: PHYSIC 152, MATH 132

Sophomore Year:

ASTRON 228 (Spring), ASTRON 224/225, additional 200+ level astronomy courses, Physics 281 (Fall), Physics 284/286 (Spring)

Junior/Senior Years:

ASTRON 301 (Spring), ASTRON 335 (Fall), ASTRON 339 (Spring), additional 300+ level astronomy course