

Working with faculty mentors, Hampshire students create rigorous programs of study designed to identify and develop their most passionate interests and concerns. Without the constraints of preset majors, our students draw freely from the 5,000 courses offered by the Five College Consortium each year. This wealth of choices, combined with independent projects, internships, and opportunities for field study, is what gives our students such extraordinary intellectual freedom. The following is a sample of courses recently offered in the area of astronomy.

HAMPSHIRE COLLEGE

Calculus in Context
 Linear Algebra and its Applications
 Physics I, II
 Project Course in Physics
 Puzzles, Paradoxes, Primes and Proofs
 Topics in Astrophysics: Supernovae and the Fate of the Universe

In recent years Hampshire has also offered :

Astronomy Roundtable
 Inventing Reality: The Human Search for Truth
 Mars
 Meteorology
 Physics Outdoors
 Weather: The Science of Tornadoes, Floods and Droughts

The Five College Astronomy Department is a collaborative program of Amherst College, Hampshire College, Mount Holyoke College, Smith College, and the University of Massachusetts. By linking the teaching and research programs of the five colleges, we offer a richer environment for doing astronomy than would be possible if each operated independently. The Five College Astronomy Department has several major research programs, including: the Five College Radio Astronomy Observatory which operates a 14-m radio telescope near the Quabbin reservoir; the 2-Micron All Sky Survey, which has mapped the sky at infrared wavelengths; and the Large Millimeter Telescope, currently under construction in Mexico. Additional resources for students include The Five College Astronomy Club (earth.ast.smith.edu/~club). The club holds star parties, uses the wide variety of optical telescopes available in the valley, and offers workshops. In addition, the Amherst Area Amateur Astronomy Association (www.amastro.org) is a very active local astronomy club with many public activities.

INDEPENDENT PROJECT TITLES

Planetary Science: Exploration Of The Galaxies
Water on Mars
The Air on Mars
Galaxies of Learning
A Study in Astrophysics
A Community Builds a Telescope
Essentials of Research Astronomy

AMHERST

Cosmology
 Introduction to Astrophysics
 Planetary Science
 Stars and Galaxies
 Techniques of Radio Astronomy
 The Unseen Universe
 Topics in Astrophysics

MOUNT HOLYOKE

Cosmology
 Galileo
 Light, the Universe and Everything
 Modern Astrophysics
 Planetary Science
 Seminar in Astrophysics: Mars

SMITH

A Survey of the Universe
 Cosmology
 Introduction to Astronomy
 Introduction to Astrophysics
 Planetary Science
 Sky I: Time
 Sky II: Telescopes
 Topics in Astrophysics: Mars

UNIVERSITY OF MASSACHUSETTS

Astronomical Observation
 Cosmology
 Cosmology and General Relativity
 Exploring the Universe
 Extragalactic Astronomy
 Honors Thesis Level Work
 Independent Study in Astronomy
 Modern Astrophysics
 Physics I, II, III
 Planetary Sciences
 The Solar System
 Topics in Astrophysics

For additional course listings, please consult the Five College On-Line Course Catalog at www.fivecolleges.edu/fcolcc.html.