

Minor Title	Minor in Astronomy
Offered to students admitted to Year 1 in	2012

Objectives:

The Minor in Astronomy is intended to provide interested students a fundamental outlook on the subject. Students would acquire a taste of the subject through a large selection of elective courses to allow them to pursue their interest in the subject and to establish connections between the field of astronomy and other science disciplines.

Learning Outcomes:

Students should be able to:

- a. identify and describe astrophysical phenomena with fundamental knowledge in physics;
(by means of coursework and tutorial classes in the curriculum)
- b. develop their scientific intuition, abilities and techniques to tackle astrophysical problems either theoretical or observational in nature;
(by means of coursework, tutorial classes, and opportunities of field activities in the curriculum)
- c. communicate and collaborate with people effectively in scientific issues.
(by means of group projects, tutorial sessions and presentation opportunities in the curriculum)

Impermissible Combination:

Major in Astronomy

Required courses (36 credits)**1. Introductory level courses (12 credits)**

PHYS1250 Fundamental physics (6)
PHYS1650 Nature of the universe (6)

2. Advanced level courses (24 credits)

At least 24 credits selected from the following courses:

PHYS3650 Observational astronomy (6)
PHYS3651 Physical universe (6)
PHYS3652 Principles of astronomy (6)
PHYS4650 Stellar physics (6)
PHYS4651 Selected topics in astrophysics (6)
PHYS4652 Planetary science (6)
PHYS4653 Cosmology (6)
PHYS4654 General relativity (6)
PHYS4655 Interstellar medium (6)
PHYS6650 Stellar atmospheres (6)

Notes:

1. A course may appear as required course in two or more Science majors/minors. Each course can only be considered to satisfy the requirement of one major or one minor, even if that appears in the curriculum of two majors/minors. Students have to select another course to replace the course in the second major/minor.
2. Courses at the advanced level are subject to change.
3. Students must have level 3 or above in HKDSE Physics or equivalent to take this major. Students who do not fulfill this requirement are advised to take PHYS1240 Physics by inquiry.

Remarks:

Important! Ultimate responsibility rests with students to ensure that the required pre-requisites and co-requisite of selected courses are fulfilled. Students must take and pass all required courses in the selected primary science major in order to satisfy the degree graduation requirements.