

ASTRONOMY MINOR

**Please see the back of this page for more information or contact the
Astronomy Minor Advisor: David Mitchell (180-614) dsmitche@calpoly.edu.**

Required courses on quarters:

PHYS 142	General Physics II	4 units
PHYS 143	General Physics III	4 units
PHYS 211	Modern Physics I	4 units
ASTR 301	Planetary Systems	3 units
ASTR 302	Stars and Galaxies	3 units
ASTR 326	Cosmology	3 units
ASTR 444	Observational Astronomy	4 units

Or select 3 of the above ASTR courses and 3 or 4 units from:

AERO 351; ASTR 470, 471; GEOL 415; PHYS 305, 313, 318, 323, 410, 418

3 or 4 units

Required Units (minimum): 24 units

Required courses on semesters:

PHYS 1143	General Physics II	4 units
PHYS 2211	General Physics III: Modern Physics	4 units
ASTR 3301	Stars and Planetary Systems (Fall)	3 units
ASTR 3302	Galaxies and Cosmology (Spring)	3 units
ASTR 4444	Observational Astronomy (Fall)	4 units

Required Units: 18 units

Semester Prerequisites:

PHYS 2211 → ASTR 3302

ASTR 3301 → ASTR 3302 & ASTR 4444

WORKSHEET FOR THE ASTRONOMY MINOR

Please fill in the worksheet (see the link on the Astronomy Minor webpage), either with the information on when (quarter/year) you **took** the required classes (if applicable) or when (quarter/year) you are **planning** on taking the required classes. To help you with the planning, we recommend filling in this worksheet as soon as possible. Email the worksheet to the astronomy minor (Dr. David Mitchell, dsmitche@calpoly.edu) who will start the process of declaring the astronomy minor for you. You will then receive an email by Adobe Sign (CSM Forms) to review and fill out the Astronomy Minor declaration. Under "Intending to" select "Apply/Declare". Fill in the yellow highlighted boxes with your information and sign the form. The form will then be routed for signatures by the Astronomy Minor Advisor and Department Chair and once completed, it will be automatically sent to the Office of the Registrar.

While you do not need to apply for an astronomy minor or declare it before taking any astronomy classes, we recommend that you complete this process well before you plan to graduate.

Please note that the Astronomy minor is not "degree applicable", so declaring it does not help with registration times.

MINORS (GENERAL)

Definition: A minor is defined as a coherent group of courses, which stands alone and provides a student with broad knowledge of and competency, in an area outside the student's major.

Majors/Minors

- A major and a minor may not be taken in the same degree program (e.g., a student majoring in history may not complete a minor in history, whereas a student majoring in crop science may complete a minor in plant protection).
- The minor will be completed along with the requirements for the bachelor's degree. Courses in the minor may be used to satisfy major, support and general education requirements.

Requirements

- Students who wish to complete a minor are to contact the department offering the academic minor as early as possible in the program and fill out the appropriate agreement form.
- Not more than one-third of the courses in a minor can be graded Credit/No Credit (CR/NC), except for courses which have mandatory CR/NC grading.
- A minimum 2.0 GPA is required in all units counted for completion of the minor (French, German and Spanish language minors must have a 2.75 GPA).

Minors/Graduation

- The minor is declared when the student requests a graduation evaluation in the Academic Records Office.
- The completion of the minor will be noted on the student's transcript but will not be shown on the diploma. In no case will a diploma be awarded for the minor.