

Bachelor of Science (majoring in Astronomy/Astrophysics) / Graduate Diploma in Education

UAC code 300537

The program will prepare the graduates to become a specialist secondary teacher of any science discipline; Physics, Chemistry, Biology or Earth and Environmental Science. The flexibility to include studies that would qualify a student to also become a Mathematics teacher is included in the program.

Students who complete the program will meet requirements to be employed as secondary science teachers by the NSW Department of Education and Training. Such prospective teachers of secondary science are required to have at least one year of Chemistry and Physics in their undergraduate degree.

The recommended program will involve 92 credit points, which simultaneously satisfies the requirements for a Bachelor of Science and a Graduate Diploma of Education. A coherency is needed in one or more Science areas, in this case in Physics with Astronomy and Astrophysics.

Program of study

A maximum of 30 credit points at 100 level, which must include

- A minimum of 3 credit points in each of Physics, Chemistry, Biology and Geology. This should include PHYS140 (3 cr pt).
- PHYS143 (3 cr pt)
- plus an additional 3 credit points in either Chemistry, Biology or Geology.
- MATH 135 and MATH 136
- EDUC105 *Education: The Psychological Context* (3 cr pt)
- EDUC106 *Education: The Social and Historical Context* (3 cr pt)

Units at 200 level must include

- 9 credit points in Physics. This should be PHYS201 (3 cr pt), PHYS202 (3 cr pt), PHYS270 (3 cr.pt)
- 6 credit points in Chemistry, Biology, or Geology
- MATH235 (3 cr pt)
- PHYS278 (3 cr pt)
- either
EDUC262 *Education: The Learner* (3 cr pt)
or
EDUC264 *Education: The Policy Context* (3 cr pt)
- one of
EDUC261 *Information and Communication Technologies and Education* (3 cr pt),
EDUC262 *Education: The Learner* (3 cr pt),
EDUC264 *Education: The Policy Context* (3 cr pt),
EDUC258 *Maths in School* (3 cr pt),
or
EDUC265 *Educational Assessment* (3 cr pt)
- TEP246 *Key Competencies in Special Education* (2 cr pt)
- TEP295 *Curriculum and Instruction in Secondary Schools IA* (3 cr pt) or TEP282/3 (4 cr pt)

28 credit points at 300 level or above which include:

- A minimum of 18 credit points in Physics, Chemistry, Biology, or Geology units including a coherency in Physics (12 cr pts). This requires for example PHYS301 (3 cr pt), PHYS303 (3 cr pt), PHYS377 (3 cr.pt) and either PHYS306 (3 cr.pt) or PHYS378 (3 cr pts)
- TEP412 *School Experience I* (4 cr pt)
- TEP433 *Science in Secondary School I* (3 cr pt)
- TEP434 *Science in Secondary School II* (3 cr pt)

