School of Physics & Astronomy
Example course structure

MONASH University

Thinking about studying physics or astronomy?
Here's just **one way** you might do a **Physics Major** in a Bachelor of Science.

Level 1 Semester 1	**PHS1011** or **PHS1001**	**MTH1020** Analysis of change	**SCI1022** Introduction to scientific coding	**Free elective**
Level 1 Semester 2	**PHS1022** or **PHS1002**	**MTH1030** Techniques for modelling	**Any Level 1 Science unit**	**Free elective**
Level 2 Semester 1	**PHS2061** Quantum and thermal physics	**MTH2010** Multivariable calculus	**Free elective**	**Free elective**
Level 2 Semester 2	**PHS2062** Electromagnetism and optics	**MTH2032** Differential equations with modelling	**SCI2010** Scientific practice and communication	**Free elective**
Level 3 Semester 1	**PHS3101** Quantum mechanics	**PHS3000** Experimental physics	**SCI3930** Career skills for scientists	**Free elective**
Level 3 Semester 2	**PHS3102** Statistical and condensed matter physics	**PHS3302** Relativity and particle physics	**SCI3920** Science internship	**Free elective**

Core Science units | **Major in Physics** | **Minor in Mathematics** | **Useful Science units** | **Free electives in any area of study**

This sample course map is one example of how to follow the course structure for the Bachelor of Science degree enrolled from 2021.

Students studying an advanced or double degree should seek additional enrolment advice from their degree's managing faculty.

Level 2 & 3 Physics & Astronomy units have certain Mathematics units as prerequisites, so it is common to also Minor in Mathematics when doing a Major in Physics or Astrophysics.