

## Physics

Heriot-Watt University

### Venues

Edinburgh Campus

### Content

The MPhys Physics programme encourages you to investigate the world and universe around us. You'll gain the skills to accurately measure the things we are surrounded by, develop models to explain what is going on, and use those models to predict what is otherwise unknown.

You'll cover topics in fields and forces, photonics and optics, and thermal physics and explore the quantum world of subatomic particles, the unique nature of laser light, and the philosophically challenging ideas of quantum physics and astrophysics. You'll build upon your mathematics foundations to help understand physical concepts in more depth. In later years, you'll study Electromagnetism and Laser Physics, Quantum Theory and Solid State, and Statistical, Nuclear and Particle Physics to delve deep into, and discuss, current research areas with leading experts.

Compared to the BSc (hons), the MPhys provides you with a more advanced knowledge and understanding of physics, with the opportunity to explore specialisms and gain a critical awareness of current issues in physics. You will focus more on your individual research project, in which you'll demonstrate your mastery of the subject through advanced techniques in either experimental or theoretical physics.

### Start Date

September

### Qualification

Degree

### Study Method

Full time

### Award Title

MPhys

### UCAS Code

F302

### Course Length

5 years

## Faculty

School of Engineering and Physical Sciences

## Department

Physics

## Entry Requirements

2026 entry requirements

Standard entry: 4 Highers at AAAB including Maths and Physics (1 at A) plus English at National 5.

Widening access entry: 4 Highers at BBBC (two sittings) including Maths and Physics at BB plus English at National 5.

For entry to Level 2 you would require Advanced Higher Maths and Physics at AB or BA plus 4 Highers at AAAB.

## SCQF Level

11

## Progression Routes

«ProgressionRoutes»

## Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

## Address

Edinburgh  
EH14 4AS

## Website

[www.hw.ac.uk](http://www.hw.ac.uk)