

# DIVISION OF NATURAL SCIENCES

## PHYSICS AND ASTRONOMY

School Website: [www.kent.ac.uk/physical-sciences](http://www.kent.ac.uk/physical-sciences)

### **Stage 1 and 0 (*Foundation where applicable*)**

All courses, unless specified in the subject requirements for that course, require that you take modules amounting to 120 credits in total, 60 credits in Autumn and 60 credits in Spring.

Please refer to the online Module Catalogue for full details of all modules: [www.kent.ac.uk/courses/modules](http://www.kent.ac.uk/courses/modules)

**Note:** It is ultimately your responsibility to ensure that you are registered for the correct modules for your course.

### **PHYSICS AND ASTRONOMY**

- [Astronomy, Space Science & Astrophysics: BSC](#)
- [Astronomy, Space Science & Astrophysics: MPHYS](#)
- [Astronomy, Space Science & Astrophysics with a Year Abroad: MPHYS](#)
- [Astronomy, Space Science & Astrophysics with a Professional Placement: BSC](#)
- [Physics with a Foundation Year: BSC](#)
- [Physics: BSC](#)
- [Physics: MPHYS](#)
- [Physics with a Professional Placement: BSC](#)
- [Physics with a Year Abroad: MPHYS](#)
- [Physics with Astrophysics: BSC](#)
- [Physics with Astrophysics: MPHYS](#)
- [Physics with Astrophysics with a Year Abroad: MPHYS](#)
- [Physics with Astrophysics with a Professional Placement: BSC](#)

*The information contained herein is correct at the time of publication. Please note, however, that if a module recruits fewer than 8 students it is possible that it will not run. In this event, you will be contacted and asked to select an alternative module.*

**ASTRONOMY, SPACE SCIENCE & ASTROPHYSICS**

**UASA0001X1BS-F**

**ASTRONOMY, SPACE SCIENCE & ASTROPHYSICS MPHYS**

**UASA0001X1MI-F**

**ASTRONOMY, SPACE SCIENCE & ASTROPHYSICS WITH A YEAR ABROAD**

**UASA0001A2MI-F**

**ASTRONOMY, SPACE SCIENCE & ASTROPHYSICS WITH A PROFESSIONAL PLACEMENT**

**UASA0001P2BS-F**

Single Honours

**STAGE 1 – 121 credits**

**You must take the following compulsory modules (120 credits):**

<b>Compulsory modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>
<a href="#">PHYS3040*</a>	Introduction to Astronomy and Light	15	Autumn	4
<a href="#">PHYS3110*</a>	Mathematics I	15	Autumn	4
<a href="#">PHYS3120*</a>	Mathematics II	15	Spring	4
<a href="#">PHYS3210*</a>	Mechanics and Relativity	15	Autumn	4
<a href="#">PHYS3220*</a>	Waves and Fields	15	Spring	4
<a href="#">PHYS3230*</a>	Thermodynamics and Matter	15	Spring	4
<a href="#">PHYS3700*</a>	Laboratory and Computing Skills for Physicists	30	Autumn & Spring	4

\*Module may not be compensated

**PLUS the following extra-curricular compulsory module:**

<b>Compulsory module:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>
<a href="#">PHYS4001</a>	Physics Academic Advising and Skills Development I	1 Non-contributory	Autumn & Spring	4

**PHYSICS WITH A FOUNDATION YEAR****UPHY0001F1BS-F**

Single Honours

**Foundation Year – STAGE 0 – 121 credits****You must take the following compulsory modules (120 credits):**

<b>Compulsory modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>
<a href="#">EENG0024</a>	Electromagnetics for Engineers	15	Spring	3
<a href="#">MAST0017</a>	Foundation Algebra and Functions	15	Autumn	3
<a href="#">MAST0021</a>	Calculus	15	Autumn & Spring	3
<a href="#">MAST0022</a>	Graphical Methods for Physical Scientists	15	Autumn	3
<a href="#">PHYS0023*</a>	Motion & Mechanics	15	Autumn	3
<a href="#">PHYS0025*</a>	Waves and Vibrations	15	Spring	3
<a href="#">PHYS0026*</a>	Properties of Matter	15	Spring	3
<a href="#">PHYS0027*</a>	Introductory Physics Laboratory and Communication Skills	15	Spring	3

\*Module cannot be compensated or condoned

**PLUS the following extra-curricular compulsory module:**

<b>Compulsory module:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>
<a href="#">PHYS0001</a>	Physics Academic Advising and Skills Development Foundation	1 Non-contributory	Autumn & Spring	3

PHYSICS	UPHY0001X1BS-F
PHYSICS WITH A FOUNDATION YEAR	UPHY0001F1BS-F
PHYSICS MPHYS	UPHY0001X1MI-F
PHYSICS WITH A PROFESSIONAL PLACEMENT	UPHY0001P2BS-F
PHYSICS WITH A YEAR ABROAD	UPHY0001A2MI-F
PHYSICS WITH ASTROPHYSICS	UPAP0001X1BS-F
PHYSICS WITH ASTROPHYSICS MPHYS	UPAP0001X1MI-F
PHYSICS WITH ASTROPHYSICS WITH A YEAR ABROAD MPHYS	UPAP0001A2MI-F
PHYSICS WITH ASTROPHYSICS WITH A PROFESSIONAL PLACEMENT	UPAP0001P2BS-F

Single Honours

## STAGE 1 – 121 credits

You must take the following compulsory modules (120 credits):

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
PHYS3040*	Introduction to Astronomy and Light	15	Autumn	4
PHYS3110*	Mathematics I	15	Autumn	4
PHYS3120*	Mathematics II	15	Spring	4
PHYS3210*	Mechanics and Relativity	15	Autumn	4
PHYS3220*	Waves and Fields	15	Spring	4
PHYS3230*	Thermodynamics and Matter	15	Spring	4
PHYS3700*	Laboratory and Computing Skills for Physicists	30	Autumn & Spring	4

\*Failure in this module may not be compensated

PLUS the following extra-curricular compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
PHYS4001	Physics Academic Advising and Skills Development I	1 Non-contributory	Autumn & Spring	4