

DIVISION OF NATURAL SCIENCES

All programmes, unless specified in the subject requirements for that programme, require that you take modules amounting to 120 Level 4 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

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

SCHOOL OF BIOSCIENCES

- [Biochemistry: BSC](#)
- [Biochemistry with a Sandwich Year: BSC](#)
- [Biochemistry with a Year Abroad: BSC](#)
- [Biology: BSC](#)
- [Biology with a Sandwich Year: BSC](#)
- [Biology with a Year Abroad: BSC](#)
- [Biomedical Science: BSC](#)
- [Biomedical Science with a Sandwich Year: BSC](#)
- [Biomedical Science with a Year Abroad: BSC](#)

SCHOOL OF PHYSICAL SCIENCES

- [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](#)
- [Chemistry with a Foundation Year: BSC](#)
- [Chemistry: BSC](#)
- [Chemistry: MCHEM](#)
- [Chemistry with a Year with a Professional Placement: BSC](#)
- [Chemistry with a Year Abroad: BSC](#)
- [Forensic Science with a Foundation Year: BSC](#)
- [Forensic Science: BSC](#)
- [Forensic Science: MSCl](#)
- [Forensic Science with a Year with a Professional Placement: BSC](#)
- [Forensic Science with a Year Abroad: BSC](#)
- [Physics with a Foundation Year: BSC](#)
- [Physics: BSC](#)
- [Physics: MPHYS](#)
- [Physics with a Year 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](#)

SCHOOL OF SPORT AND EXERCISE SCIENCES

- [Sport and Exercise for Health](#)
- [Sport and Exercise for Health with a Year in Industry](#)
- [Sport and Exercise Science](#)
- [Sport and Exercise Science with a Year in Industry](#)
- [Sports Therapy and Rehabilitation](#)

*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. **The University cannot guarantee whether all options will be available, or how they will be delivered, if Government Covid restrictions continue.***

SCHOOL OF BIOSCIENCES

School Website: www.kent.ac.uk/bio

BIOCHEMISTRY

BIOCHEMISTRY WITH A SANDWICH YEAR

BIOCHEMISTRY WITH A YEAR ABROAD

**BIOCH:BSC
UBIC0001X1BS-F
BIOCH-S:BSC
UBIC0001P1BS-F
BIOCH(V2)-A:BSC
UBIC0001A1BS-F**

Single Honours

STAGE 1 - 120 credits – 60 in Autumn, 60 in Spring

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
BIOS3000*	Introduction to Biochemistry	15	Autumn & Spring	4	<i>BI300</i>
BIOS3010*	Enzymes and Introduction to Metabolism	15	Spring	4	<i>BI301</i>
BIOS3020*	Molecular and Cellular Biology I	15	Autumn	4	<i>BI302</i>
BIOS3070*	Human Physiology and Disease	15	Spring	4	<i>BI307</i>
BIOS3080*	Skills for Bioscientists	15	Autumn & Spring	4	<i>BI308</i>
BIOS3220*	Biological Chemistry B	30	Autumn & Spring	4	<i>BI322</i>
BIOS3240*	Genetics and Evolution	15	Autumn	4	<i>BI324</i>

* Modules cannot be compensated or condoned.

PLUS the following extra-curricular compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
BIOS4000	Biosciences Academic Support, Key Skills and Information I	1 Non-contributory	Autumn & Spring	4	<i>BI400</i>

BIOLOGY**BIOLOGY WITH A SANDWICH YEAR****BIOLOGY WITH A YEAR ABROAD**

BIOL:BSC
UBGY0001X1BS-F
BIOL-S:BSC
UBGY0001P1BS-F
BIOL(V2)-A:BSC
UBGY0001A2BS-F

Single Honours

STAGE 1 - 120 credits

You must take the following compulsory modules (105 credits):

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
BIOS3000*	Introduction to Biochemistry	15	Autumn & Spring	4	<i>BI300</i>
BIOS3010*	Enzymes and Introduction to Metabolism	15	Spring	4	<i>BI301</i>
BIOS3020*	Molecular and Cellular Biology I	15	Autumn	4	<i>BI302</i>
BIOS3070*	Human Physiology and Disease	15	Spring	4	<i>BI307</i>
BIOS3080*	Skills for Bioscientists	15	Autumn & Spring	4	<i>BI308</i>
BIOS3230*	Diversity of Living Organisms	15	Spring	4	<i>BI323</i>
BIOS3240*	Genetics and Evolution	15	Autumn	4	<i>BI324</i>

* Modules cannot be compensated or condoned.

PLUS the following extra-curricular compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
BIOS4000	Biosciences Academic Support. Key Skills and Information I	1 Non-contributory	Autumn & Spring	4	<i>BI400</i>

PLUS 15 credits from the following optional modules:

[BIOS3211](#) is for students without A2 Chemistry at grades A-C (or equivalent). [BIOS3210](#) is for students who have A2 Chemistry at grades C or above only.

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
BIOS3210*	Biological Chemistry A	15	Autumn & Spring	4	<i>BI3210</i>
BIOS3211*	Biological Chemistry A	15	Autumn & Spring	4	<i>BI3211</i>
HECO3030	Survey and Monitoring for Biodiversity	15	Spring	4	<i>DI303</i>
WCON3111	Principles of Biogeography and Ecology	15	Spring	4	<i>DI311</i>

* Modules cannot be compensated or condoned.

BIOMEDICAL SCIENCE

BIOMEDICAL SCIENCE WITH A SANDWICH YEAR

BIOMEDICAL SCIENCE WITH A YEAR ABROAD

**BIOMEDSCI:BSC
UBIO0001X1BS-F
BIOMEDSCI-S:BSC
UBIO0001P1BS-F
BIOMEDSCI (V2)-A:BSC
UBIO0001A1BS-F**

Single Honours

STAGE 1 - 120 credits – 67.5 in Autumn, 52.5 in Spring

You must take the following compulsory modules (90 credits):

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
BIOS3000*	Introduction to Biochemistry	15	Autumn & Spring	4	<i>BI300</i>
BIOS3010*	Enzymes and Introduction to Metabolism	15	Spring	4	<i>BI301</i>
BIOS3020*	Molecular and Cellular Biology I	15	Autumn	4	<i>BI302</i>
BIOS3070*	Human Physiology and Disease	15	Spring	4	<i>BI307</i>
BIOS3080*	Skills for Bioscientists	15	Autumn & Spring	4	<i>BI308</i>
BIOS3240*	Genetics and Evolution	15	Autumn	4	<i>BI324</i>

* Modules cannot be compensated or condoned.

PLUS the following extra-curricular compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
BIOS4000	Biosciences Academic Support. Key Skills and Information I	1 Non-contributory	Autumn & Spring	4	<i>BI400</i>

PLUS 30 credits from the following optional modules:

[BIOS3221](#) is for students without A2 Chemistry at grades A-C (or equivalent). If you have A2 Chemistry you are required to attend [BIOS3220](#).

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
BIOS3220*	Biological Chemistry B	30	Autumn & Spring	4	<i>BI3220</i>
BIOS3221*	Biological Chemistry B	30	Autumn & Spring	4	<i>BI322</i>

* Modules cannot be compensated or condoned.

SCHOOL OF PHYSICAL SCIENCES

School Website: www.kent.ac.uk/physical-sciences

ASTRONOMY, SPACE SCIENCE & ASTROPHYSICS

ASTRONOMY, SPACE SCIENCE & ASTROPHYSICS

ASTRONOMY, SPACE SCIENCE & ASTROPHYSICS WITH A YEAR ABROAD

ASTRONOMY, SPACE SCIENCE & ASTROPHYSICS WITH A Professional Placement

ASSA:BSC
 UASA0001X1BS-F
 ASSA-4:MPHYS
 UASA0001X1MI-F
 ASSA-A:MPHYS
 UASA0001A2MI-F
 ASSA-S:BSC
 UASA0001P2BS-F

Single Honours

STAGE 1 - 120 credits – 60 in each term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
PHYS3040*	Introduction to Astronomy and Light	15	Autumn	4	<i>PH304</i>
PHYS3110*	Mathematics I	15	Autumn	4	<i>PH311</i>
PHYS3120*	Mathematics II	15	Spring	4	<i>PH312</i>
PHYS3210*	Mechanics and Relativity	15	Autumn	4	<i>PH321</i>
PHYS3220*	Waves and Fields	15	Spring	4	<i>PH322</i>
PHYS3230*	Thermodynamics and Matter	15	Spring	4	<i>PH323</i>
PHYS3700*	Laboratory and Computing Skills for Physicists	30	Autumn & Spring	4	<i>PH370</i>

*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	OFFICE USE ONLY
PSCI3020	Study and Employability Skills for Level 3	1 Non-contributory	Autumn & Spring	4	<i>PS302</i>

CHEMISTRY WITH A FOUNDATION YEAR**CHEMISTRY-F-4:BSC
UCHE0001F1BS-F**

Single Honours

Foundation Year - STAGE 0 - 120 credits – 75 in Autumn, 45 in Spring**You must take the following compulsory modules (120 credits):**

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
PHYS0020*	Algebra and Arithmetic	15	Autumn	3	PH020
PHYS0022*	Graphical Methods for Physical Scientists	15	Autumn	3	PH022
PSCI0021*	Molecules and Analysis	30	Autumn	3	PS021
PSCI0022*	Chemical Reactivity	30	Spring	3	PS022
PSCI0023*	Properties of Matter	30	Autumn & Spring	3	PS023

*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	OFFICE USE ONLY
PSCI0010	Study and Employability Skills for Level 3	1 Non-contributory	Autumn & Spring	3	PS010

CHEMISTRY**CHEMISTRY****CHEMISTRY WITH A Professional Placement****CHEMISTRY WITH A YEAR ABROAD****CHEMISTRY:BSC
UCHE0001X1BS-F
CHEMISTRY:MCHM
UCHE0001X1MH-F
CHEMISTRY-S:BSC
UCHE0001P2BS-F
CHEMISTRY-A:BSC
UCHE0001A1BS-F**

Single Honours

STAGE 1 - 120 credits – 60 in Autumn, 60 in Spring**You must take the following compulsory modules (120 credits):**

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
CHEM3600*	Fundamentals of Chemistry	15	Autumn	4	CH360
CHEM3610*	Organic Chemistry 1 - Structure and Reactivity	15	Spring	4	CH361
CHEM3620*	Inorganic Chemistry 1 - Periodicity and Metals	15	Spring	4	CH362
CHEM3630*	Physical Chemistry 1 - Energy and Rates	15	Spring	4	CH363
CHEM3640*	Applied Maths for Chemists and Forensic Scientists	15	Autumn	4	CH364
CHEM3710*	Chemistry and the Environment	15	Autumn	4	CH371
CHEM3900*	Experimental Chemistry 1	15	Autumn	4	CH390
CHEM3910*	Computing Skills for Modern Data Analysis	15	Spring	4	CH391

*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	OFFICE USE ONLY
PSCI3020	Study and Employability Skills for Level 3	1 Non-contributory	Autumn & Spring	4	PS302

FORENSIC SCIENCE WITH A FOUNDATION YEAR**FORENSIC-F-4:BSC
UFSC0001F1BS-F**

Single Honours

Foundation Year - STAGE 0 - 120 credits – 75 in Autumn, 45 in Spring**You must take the following compulsory modules (120 credits):**

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
PHYS0020*	Algebra and Arithmetic	15	Autumn	3	PH020
PHYS0022*	Graphical Methods for Physical Scientists	15	Autumn	3	PH022
PSCI0021*	Molecules and Analysis	30	Autumn	3	PS021
PSCI0022*	Chemical Reactivity	30	Spring	3	PS022
PSCI0023*	Properties of Matter	30	Autumn & Spring	3	PS023

*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	OFFICE USE ONLY
PSCI0010	Study and Employability Skills for Level 3	1 Non-contributory	Autumn & Spring	3	PS010

FORENSIC SCIENCE**FORENSIC:BSC****FORENSIC SCIENCE****UFSC0001X1BS-F****FORENSIC SCIENCE WITH A Professional Placement****FORENSIC:MSCI****FORENSIC SCIENCE WITH A YEAR ABROAD****UFSC0001X1MS-F****FORENSIC-S:BSC****UFSC0001P2BS-F****FORENSIC-A:BSC****UFSC0001A1BS-F**

Single Honours

STAGE 1 - 120 credits – 52.5 in Autumn, 67.5 in Spring**You must take the following compulsory modules (120 credits):**

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
CHEM3600	Fundamentals of Chemistry	15	Autumn	4	CH360
CHEM3610	Organic Chemistry 1 – Structure and Relativity	15	Spring	4	CH361
CHEM3640	Applied Maths for Chemists and Forensic Scientists	15	Autumn	4	CH364
CHEM3900	Experimental Chemistry 1	15	Autumn	4	CH390
FSCI3010	Introduction to Forensic Science	15	Autumn	4	FSCI3010
FSCI3020	Practical Skills in Forensic Science 1	15	Spring	4	FSCI3020
FSCI3030	Core Inorganic and Physical Chemistry for Forensic Science	15	Spring	4	FSCI3030
FSCI3080	Introduction to Ballistics	15	Spring	4	FSCI3080

PLUS the following extra-curricular compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
PSCI3020	Study and Employability Skills for Level 4	1 Non-contributory	Autumn & Spring	4	PS302

PHYSICS WITH A FOUNDATION YEAR

Single Honours

**PHYS-F-4:BSC
UPHY0001F1BS-F**

Foundation Year - STAGE 0 - 120 credits – 60 in each term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
EENG0021*	Calculus	15	Autumn & Spring	3	EL021
EENG0024*	Electromagnetics for Engineers	15	Spring	3	EL024
PHYS0020*	Algebra and Arithmetic	15	Autumn	3	PH020
PHYS0022*	Graphical Methods for Physical Scientists	15	Autumn	3	PH022
PHYS0023*	Motion & Mechanics	15	Autumn	3	PH023
PHYS0025*	Waves and Vibrations	15	Spring	3	PH025
PHYS0026*	Properties of Matter	15	Spring	3	PH026
PHYS0027*	Introductory Physics Laboratory and Communication Skills	15	Autumn & Spring	3	PH027

*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	OFFICE USE ONLY
PSCI0010	Study and Employability Skills for Level 3	1 Non-contributory	Autumn & Spring	3	PS010

PHYSICS**PHYSICS****PHYSICS WITH A Professional Placement****PHYSICS WITH A YEAR ABROAD****PHYSICS WITH ASTROPHYSICS****PHYSICS WITH ASTROPHYSICS****PHYSICS WITH ASTROPHYSICS WITH A YEAR ABROAD****PHYSICS WITH ASTROPHYSICS WITH A Professional Placement**

Single Honours

**PHYS:BSC
UPHY0001X1BS-F
PHYS-4: MPhys
UPHY0001X1MI-F
PHYS-S:BSC
UPHY0001P2BS-F
PHYS-A:MPhys
UPHY0001A2MI-F
PHYS/ASTRO:BSC
UPAP0001X1BS-F
PHYS/ASTRO-4: MPhys
UPAP0001X1MI-F
PHYS/ASTRO-A: MPhys
UPAP0001A2MI-F
PHYS/ASTRO-S: BSC
UPAP0001P2BS-F**

STAGE 1 - 120 credits – 60 in each term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
PHYS3040*	Introduction to Astronomy and Light	15	Autumn	4	PH304
PHYS3110*	Mathematics I	15	Autumn	4	PH311
PHYS3120*	Mathematics II	15	Spring	4	PH312
PHYS3210*	Mechanics and Relativity	15	Autumn	4	PH321
PHYS3220*	Waves and Fields	15	Spring	4	PH322
PHYS3230*	Thermodynamics and Matter	15	Spring	4	PH323
PHYS3700*	Laboratory and Computing Skills for Physicists	30	Autumn & Spring	4	PH370

*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	OFFICE USE ONLY
PSCI3020	Study and Employability Skills for Level 3	1 Non-contributory	Autumn & Spring	4	PS302

SCHOOL OF SPORT AND EXERCISE SCIENCES

School Website: www.kent.ac.uk/sportsciences/

NOTE: The programme will be taught in Canterbury from September 2021

SPORT AND EXERCISE FOR HEALTH

SPORTEXHEALTH:BSC

USEH0001Z1BS-F

SPORT AND EXERCISE FOR HEALTH WITH A YEAR IN INDUSTRY

SPORTEXHEALTH-S:BSC

USEH0001P2BS-F

STAGE 1 - 120 credits

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
SPOR3130	Introduction to Sport & Exercise Nutrition	15	Spring	4	SS313
SPOR3380	Introduction to Sport and Exercise Physiology	30	Autumn & Spring	4	SS338
SPOR3440	Introduction to Sport & Exercise Psychology	15	Autumn	4	SS344
SPOR3450	Functional Anatomy and Biomechanics	30	Autumn & Spring	4	SS345
SPOR3550	Research in Sport and Exercise Sciences	30	Autumn & Spring	4	SS355

SPORT AND EXERCISE SCIENCE

SPORTEXSCI:BSC

USES0001Z1BS-F

SPORT AND EXERCISE SCIENCE WITH A YEAR IN INDUSTRY

SPORTEXSCI-S:BSC

USES0001P2BS-F

STAGE 1 - 120 credits

Students must study a minimum of 45 credits per term and up to a maximum 75 credits per term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	Office Use Only
SPOR3130	Introduction to Sport & Exercise Nutrition	15	Spring	4	SS313
SPOR3380	Fundamentals of Human Anatomy & Physiology	30	Autumn & Spring	4	SS338
SPOR3440	Introduction to Sport and Exercise Physiology	15	Autumn	4	SS344
SPOR3540	Biomechanics of Movement	30	Autumn & Spring	4	SS354
SPOR3550	Research in Sport and Exercise Sciences	30	Autumn & Spring	4	SS355

SPORTS THERAPY AND REHABILITATION

SPORTSTHERREHAB:BSC

USTR0001Z1BS-F

STAGE 1 - 120 credits

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
SPOR3450	Functional Anatomy and Biomechanics	30	Autumn & Spring	4	SS345
SPOR3460	Introduction to Human Physiology	15	Autumn	4	SS346
SPOR3510	Mechanisms of Sports Injuries	15	Spring	4	SS351
SPOR3520	Peripheral Joint Assessment	15	Spring	4	SS352
SPOR3530	Sports and Remedial Massage	15	Spring	4	SS353
SPOR3550	Research in Sport and Exercise Sciences	30	Autumn & Spring	4	SS355

