

## SECTION II SUBJECT REQUIREMENTS

### 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 COMPUTING

- Computer Science: BSC
- Computer Science with a Year in Industry: BSC
- Computer Science (Artificial Intelligence): BSC
- Computer Science (Artificial Intelligence) with a Year in Industry: BSC
- Computer Science (Consultancy): BSC
- Computer Science (Consultancy) with a Year in Industry: BSC
- Computer Science (Networks): BSC
- Computer Science (Networks) with a Year in Industry: BSC

### SCHOOL OF ENGINEERING AND DIGITAL ARTS

- Biomedical Engineering: BENG
- Biomedical Engineering with a Year in Industry: BENG
- Computer Systems Engineering including a Foundation Year: BENG
- Computer Systems Engineering: BENG
- Computer Systems Engineering: MENG
- Computer Systems Engineering with a Year in Industry: BENG
- Computer Systems Engineering with a Year in Industry: MENG
- Digital Arts: BA
- Digital Arts: MART
- Digital Arts with a Year in Industry: BA
- Digital Arts with a Year in Industry: MART
- Electronic and Communications Engineering with a Foundation Year: BENG
- Electronic and Communications Engineering: BENG
- Electronic and Communications Engineering: MENG
- Electronic and Communications Engineering with a Year in Industry: BENG
- Electronic and Communications Engineering with a Year in Industry: MENG
- Multimedia Technology and Design: BSC
- Multimedia Technology and Design with a Year in Industry: BSC

### SCHOOL OF MATHEMATICS, STATISTICS AND ACTUARIAL SCIENCE

- Actuarial Science with a Foundation Year: BSC
- Actuarial Science: BSC
- Actuarial Science with a Year in Industry: BSC
- Financial Mathematics: BSC
- Financial Mathematics with a Year in Industry: BSC
- Mathematics including a Foundation Year: BSC
- Mathematics: BSC
- Mathematics: MMATH
- Mathematics with a Year in Industry: BSC
- Mathematics and Accounting & Finance: BA
- Mathematics and Accounting & Finance with a Year in Industry: BA
- Mathematics and Statistics: BSC
- Mathematics and Statistics with a Year in Industry: BSC
- Mathematics with Secondary Education: 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 Year in Industry: BSC
- Chemistry with a Foundation Year: BSC
- Chemistry: BSC
- Chemistry: MCHEM
- Chemistry with a Year in Industry: BSC
- Forensic Science with a Foundation Year: BSC
- Forensic Science: BSC
- Forensic Science: MSCI
- Forensic Science with a Year in Industry: BSC
- Physics with a Foundation Year: BSC
- Physics: BSC
- Physics: MPHYS
- Physics with a Year in Industry: 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 Year in Industry: BSC

## PROGRAMMES OFFERED BY THE SCHOOL OF BIOSCIENCES

Head of School: Prof Colin Robinson

School Web Site: [www.kent.ac.uk/bio](http://www.kent.ac.uk/bio)

All programmes, unless specified in the rubric 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/modulecatalogue/](http://www.kent.ac.uk/courses/modulecatalogue/)

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

**BIOCHEMISTRY**  
**BIOCHEMISTRY WITH A SANDWICH YEAR**  
**BIOCHEMISTRY WITH A YEAR ABROAD**  
Single Honours

**BIOCH:BSC**  
**BIOCH-S:BSC**  
**BIOCH(V2)-A:BSC**

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

**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>	<b>SDS CODE</b>
BIOS3000	Introduction to Biochemistry*	15	Autumn	4	<a href="#">BI300</a>
BIOS3010	Enzymes and Introduction to Metabolism*	15	Spring	4	<a href="#">BI301</a>
BIOS3020	Molecular and Cellular Biology I*	15	Autumn	4	<a href="#">BI302</a>
BIOS3070	Human Physiology and Disease*	15	Spring	4	<a href="#">BI307</a>
BIOS3080	Skills for Bioscientists*	15	Autumn & Spring	4	<a href="#">BI308</a>
BIOS3220	Biological Chemistry B*	30	Autumn & Spring	4	<a href="#">BI3220</a>
BIOS3240	Genetics and Evolution*	15	Autumn	4	<a href="#">BI324</a>

\* Modules cannot be compensated or condoned.

**STAGE 1 - 120 credits**

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

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

\* Modules cannot be compensated or condoned.

**PLUS ONE of the following 15 credit modules:**

[BI321](#) is for students without A2 Chemistry at grades A-C (or equivalent). If you have A2 Chemistry you are required to attend [BI3210](#).

<b>Compulsory modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>SDS CODE</b>
BIOS3211	Biological Chemistry A*	15	Autumn & Spring	4	<a href="#">BI321</a>
BIOS3210	Biological Chemistry A*	15	Autumn & Spring	4	<a href="#">BI3210</a>

\* Modules cannot be compensated or condoned.

**STAGE 1 - 120 credits – 75 in Autumn, 45 in Spring**

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

<b>Compulsory modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>SDS CODE</b>
BIOS3000	Introduction to Biochemistry*	15	Autumn	4	<a href="#">BI300</a>
BIOS3010	Enzymes and Introduction to Metabolism*	15	Spring	4	<a href="#">BI301</a>
BIOS3020	Molecular and Cellular Biology I*	15	Autumn	4	<a href="#">BI302</a>
BIOS3070	Human Physiology and Disease*	15	Spring	4	<a href="#">BI307</a>
BIOS3080	Skills for Bioscientists*	15	Autumn	4	<a href="#">BI308</a>
BIOS3240	Genetics and Evolution*	15	Autumn	4	<a href="#">BI324</a>

\* Modules cannot be compensated or condoned.

**PLUS ONE of the following 30 credit modules:**

[BI322](#) is for students without A2 Chemistry at grades A-C (or equivalent). If you have A2 Chemistry you are required to attend [BI3220](#).

<b>Compulsory modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>SDS CODE</b>
BIOS3221	Biological Chemistry B*	30	Autumn & Spring	4	<a href="#">BI322</a>
BIOS3220	Biological Chemistry B*	30	Autumn & Spring	4	<a href="#">BI3220</a>

\* Modules cannot be compensated or condoned.

## PROGRAMMES OFFERED BY THE SCHOOL OF COMPUTING

Head of School: Prof Richard Jones

School Web Site: [www.cs.kent.ac.uk](http://www.cs.kent.ac.uk)

All programmes, unless specified in the rubric 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/modulecatalogue/](http://www.kent.ac.uk/courses/modulecatalogue/)

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

### COMPUTER SCIENCE

COMPUTER SCIENCE WITH A YEAR IN INDUSTRY

COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE)

COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE) WITH A YEAR IN INDUSTRY

COMPUTER SCIENCE (CONSULTANCY)

COMPUTER SCIENCE (CONSULTANCY) WITH A YEAR IN INDUSTRY

COMPUTER SCIENCE (NETWORKS)

COMPUTER SCIENCE (NETWORKS) WITH A YEAR IN INDUSTRY

Single Honours

COMPSCI:BSC

COMPSCI-S:BSC

COMPSCI(AI):BSC

COMPSCI(AI)-S:BSC

COMPSCI(CON):BSC

COMPSCI(CON)-S:BSC

COMPSCI(NET):BSC

COMPSCI(NET)-S:BSC

### 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	SDS CODE
COMP3200	Introduction to Object-Oriented Programming	15	Autumn	4	<a href="#">CO320</a>
COMP3220	Foundations of Computing I	15	Autumn	4	<a href="#">CO322</a>
COMP3230	Databases and the Web	15	Spring	4	<a href="#">CO323</a>
COMP3240	Computer Systems	15	Autumn	4	<a href="#">CO324</a>
COMP3250	Foundations of Computing II	15	Spring	4	<a href="#">CO325</a>
COMP3280	Human Computer Interaction	15	Autumn	4	<a href="#">CO328</a>
COMP3340	People and Computing	15	Spring	4	<a href="#">CO334</a>
COMP5200	Further Object-Oriented Programming	15	Spring	5	<a href="#">CO520</a>

## PROGRAMMES OFFERED BY THE SCHOOL OF ENGINEERING AND DIGITAL ARTS

Head of School: Prof Farzin Deravi  
School Web Site: [www.eda.kent.ac.uk](http://www.eda.kent.ac.uk)

All programmes, unless specified in the rubric 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/modulecatalogue/](http://www.kent.ac.uk/courses/modulecatalogue/)

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

**BIOMEDICAL ENGINEERING**  
**BIOMEDICAL ENGINEERING WITH A YEAR IN INDUSTRY**  
Single Honours

**BIOMEDENG-S:BENG**  
**BIOMEDENG:BENG**

**STAGE 1 - 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	SDS CODE
BIOS3000	Introduction to Biochemistry	15	Autumn	4	<a href="#">BI300</a>
BIOS3020	Molecular and Cellular Biology I	15	Autumn	4	<a href="#">BI302</a>
BIOS3080	Skills for Bioscientists	15	Autumn & Spring	4	<a href="#">BI308</a>
EENG3050	Introduction to Electronics	15	Autumn	4	<a href="#">EL305</a>
EENG3110	The Robotics Project	15	Autumn & Spring	4	<a href="#">EL311</a>
EENG3150	Digital Technologies	15	Spring	4	<a href="#">EL315</a>
EENG3180	Engineering Mathematics	15	Autumn	4	<a href="#">EL318</a>
EENG3190	Engineering Analysis	15	Spring	4	<a href="#">EL319</a>

**COMPUTER SYSTEMS ENGINEERING INCLUDING A FOUNDATION YEAR**  
Single Honours

**CSENG-F-4:BENG**

**Foundation Year - STAGE 0 - 120 credits – 67.5 in Autumn, 52.5 in Spring**

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	SDS CODE
EENG0021	Calculus	15	Autumn & Spring	3	<a href="#">EL021</a>
EENG0024	Electromagnetics for Engineers	15	Spring	3	<a href="#">EL024</a>
EENG0025	Electrical Principles and Measurements	15	Autumn	3	<a href="#">EL025</a>
EENG0026	Analogue Electronics	15	Autumn & Spring	3	<a href="#">EL026</a>
EENG0027	Semiconductor and Digital Electronics	15	Autumn & Spring	3	<a href="#">EL027</a>
EENG0033	Introduction to programming using MATLAB	15	Autumn & Spring	3	<a href="#">EL033</a>
MAST0022	Graphs, Geometry and Trigonometry	15	Autumn & Spring	3	<a href="#">MA022</a>
PHYS0020	Algebra and Arithmetic	15	Autumn	3	<a href="#">PH020</a>

COMPUTER SYSTEMS ENGINEERING  
 COMPUTER SYSTEMS ENGINEERING  
 COMPUTER SYSTEMS ENGINEERING WITH A YEAR IN INDUSTRY  
 COMPUTER SYSTEMS ENGINEERING WITH A YEAR IN INDUSTRY  
 Single Honours

CSENG:BENG  
 CSENG:MENG  
 CSENG-S:BENG  
 CSENG-S:MENG

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

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	SDS CODE
COMP3200	Introduction to Object-Oriented Programming	15	Autumn	4	<a href="#">CO320</a>
COMP3230	Databases and the Web	15	Spring	4	<a href="#">CO323</a>
COMP3240	Computer Systems	15	Autumn	4	<a href="#">CO324</a>
EENG3050	Introduction to Electronics	15	Autumn	4	<a href="#">EL305</a>
EENG3110	The Robotics Project	15	Autumn & Spring	4	<a href="#">EL311</a>
EENG3150	Digital Technologies	15	Spring	4	<a href="#">EL315</a>
EENG3180	Engineering Mathematics	15	Autumn	4	<a href="#">EL318</a>
EENG3190	Engineering Analysis	15	Spring	4	<a href="#">EL319</a>

DIGITAL ARTS  
 DIGITAL ARTS  
 DIGITAL ARTS WITH A YEAR IN INDUSTRY  
 DIGITAL ARTS WITH A YEAR IN INDUSTRY  
 Single Honours

DIGARTS:BA  
 DIGARTS: MART  
 DIGARTS-S:BA  
 DIGARTS-S:MART

STAGE 1 - 120 credits – 37.5 in Autumn, 67.5 in Spring, 15 in Summer

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	SDS CODE
EENG3130	Introduction to Programming	15	Autumn	4	<a href="#">EL313</a>
DIGM3310	Website Design	15	Autumn & Spring	4	<a href="#">EL331</a>
DIGM3380	Visual Culture	15	Autumn	4	<a href="#">EL338</a>
DIGM3390	Digital Photography	15	Autumn	4	<a href="#">EL339</a>
DIGM3400	Digital Effects	15	Spring	4	<a href="#">EL340</a>
DIGM3410	Graphic Design	15	Spring	4	<a href="#">EL341</a>
DIGM3420	Moving Image	15	Spring	4	<a href="#">EL342</a>
DIGM5420	Creativity in Interactive and Tangible Media	15	Summer	5	<a href="#">EL542</a>



**Foundation Year - STAGE 0 - 120 credits – 67.5 in Autumn, 52.5 in Spring**

**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>	<b>SDS CODE</b>
EENG0021	Calculus	15	Autumn & Spring	3	<a href="#">EL021</a>
EENG0024	Electromagnetics for Engineers	15	Spring	3	<a href="#">EL024</a>
EENG0025	Electrical Principles and Measurements	15	Autumn	3	<a href="#">EL025</a>
EENG0026	Analogue Electronics	15	Autumn & Spring	3	<a href="#">EL026</a>
EENG0027	Semiconductor and Digital Electronics	15	Autumn & Spring	3	<a href="#">EL027</a>
EENG0033	Introduction to programming using MATLAB	15	Autumn & Spring	3	<a href="#">EL033</a>
MAST0022	Graphs, Geometry and Trigonometry	15	Autumn & Spring	3	<a href="#">MA022</a>
PHYS0020	Algebra and Arithmetic	15	Autumn	3	<a href="#">PH020</a>

**ELECTRONIC AND COMMUNICATIONS ENGINEERING**  
**ELECTRONIC AND COMMUNICATIONS ENGINEERING**  
**ELECTRONIC AND COMMUNICATIONS ENGINEERING WITH A YEAR IN INDUSTRY**  
**ELECTRONIC AND COMMUNICATIONS ENGINEERING WITH A YEAR IN INDUSTRY**  
Single Honours

**ELCOMENG:BENG**  
**ELCOMENG:MENG**  
**ELCOMENG-S:BENG**  
**ELCOMENG-S:MENG**

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

**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>	<b>SDS CODE</b>
COMP3240	Computer Systems	15	Autumn	4	<a href="#">CO324</a>
EENG3030	Electronic Circuits	15	Spring	4	<a href="#">EL303</a>
EENG3050	Introduction to Electronics	15	Autumn	4	<a href="#">EL305</a>
EENG3110	The Robotics Project	15	Autumn & Spring	4	<a href="#">EL311</a>
EENG3130	Introduction to Programming	15	Autumn	4	<a href="#">EL313</a>
EENG3150	Digital Technologies	15	Spring	4	<a href="#">EL315</a>
EENG3180	Engineering Mathematics	15	Autumn	4	<a href="#">EL318</a>
EENG3190	Engineering Analysis	15	Spring	4	<a href="#">EL319</a>

**STAGE 1 - 120 credits – 52.5 in Autumn, 45 in Spring, 22.5 in Summer**

**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>	<b>SDS CODE</b>
DIGM3310	Website Design	15	Autumn & Spring	4	<a href="#">EL331</a>
DIGM3380	Visual Culture	15	Autumn	4	<a href="#">EL338</a>
DIGM3390	Digital Photography	15	Autumn	4	<a href="#">EL339</a>
DIGM3400	Digital Effects	15	Spring	4	<a href="#">EL340</a>
DIGM3420	Moving Image	15	Spring	4	<a href="#">EL342</a>
DIGM5420	Creativity in Interactive and Tangible Media	15	Summer	5	<a href="#">EL542</a>
EENG3130	Introduction to Programming	15	Autumn	4	<a href="#">EL313</a>
EENG3340	Internet Programming with Java	15	Spring & Summer	4	<a href="#">EL334</a>

**PROGRAMMES OFFERED BY THE SCHOOL OF MATHEMATICS, STATISTICS AND ACTUARIAL SCIENCE**

Head of School: Prof Peter Hydon  
School Web Site: [www.kent.ac.uk/smsas](http://www.kent.ac.uk/smsas)

All programmes, unless specified in the rubric 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/modulecatalogue/](http://www.kent.ac.uk/courses/modulecatalogue/)

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

**ACTUARIAL SCIENCE WITH A FOUNDATION YEAR**

**ACTSCI-F-4:BSC**

Single Honours

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

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

<b>Compulsory modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>SDS CODE</b>
FOUN0047	Advanced Academic Skills for Mathematics and Science Foundation	15	Autumn <b>OR</b> Spring	3	<a href="#">LZ047</a>
MAST0022	Graphs, Geometry and Trigonometry*	15	Autumn & Spring	3	<a href="#">MA022</a>
MAST0025	Foundation Statistics*	15	Autumn & Spring	3	<a href="#">MA025</a>
MAST3001	Foundation Mathematics 1*	15	Autumn	3	<a href="#">MA361</a>
MAST3002	Vectors and Mechanics*	15	Autumn	3	<a href="#">MA362</a>
MAST3003	Foundation Mathematics 2*	15	Spring	3	<a href="#">MA363</a>
MAST3004	Mathematical Skills*	15	Spring	3	<a href="#">MA364</a>

\* This module may not be compensated or trailed.

**If you are an international student with an IELTS score below 6.5 (or equivalent), you must also take the following module (15 credits):**

<b>Optional module:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>SDS CODE</b>
FOUN0048	Academic English for Maths and Science Foundation	15	Autumn	4	<a href="#">LZ048</a>

**All other students must take one of the following optional modules (15 credits):**

<b>Optional modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>SDS CODE</b>
HIST4340	Ten Technologies That Made Us Modern	15	Spring	4	<a href="#">HI434</a>
PHIL3100	Introduction to Philosophy: Logic and Reasoning	15	Spring	4	<a href="#">PL310</a>

**ACTUARIAL SCIENCE**  
**ACTUARIAL SCIENCE WITH A YEAR IN INDUSTRY**  
 Single Honours

**ACTSCI:BSC**  
**ACTSCI-S:BSC**

**STAGE 1 - 120 credits – 60 in each term**

**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>	<b>SDS CODE</b>
MACT3090	Business Economics*	15	Autumn	4	<a href="#">MA309</a>
MACT3150	Financial Mathematics*	30	Autumn & Spring	4	<a href="#">MA315</a>
MAST4005	Linear Mathematics	15	Spring	4	<a href="#">MA347</a>
MAST4006	Mathematical Methods 1	15	Autumn	4	<a href="#">MA348</a>
MAST4007	Mathematical Methods 2	15	Spring	4	<a href="#">MA349</a>
MAST4009	Probability*	15	Autumn	4	<a href="#">MA351</a>
MAST4011	Statistics*	15	Spring	4	<a href="#">MA306</a>

\*This module cannot be compensated or trailed.

**FINANCIAL MATHEMATICS**  
**FINANCIAL MATHEMATICS WITH A YEAR IN INDUSTRY**  
 Single Honours

**FINMATHS:BSC**  
**FINMATHS-S:BSC**

**STAGE 1 - 120 credits – 60 in each term**

**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>	<b>SDS CODE</b>
MAST4003	Introduction to Finance	15	Autumn	4	<a href="#">MA345</a>
MAST4005	Linear Mathematics	15	Spring	4	<a href="#">MA347</a>
MAST4006	Mathematical Methods 1	15	Autumn	4	<a href="#">MA348</a>
MAST4007	Mathematical Methods 2	15	Spring	4	<a href="#">MA349</a>
MAST4008	Microeconomics for Financial Mathematicians	15	Spring	4	<a href="#">MA350</a>
MAST4009	Probability	15	Autumn	4	<a href="#">MA351</a>
MAST4010	Real Analysis 1	15	Autumn	4	<a href="#">MA352</a>
MAST4011	Statistics	15	Spring	4	<a href="#">MA306</a>

**MATHEMATICS INCLUDING A FOUNDATION YEAR****MATHS-F-4:BSC**

Single Honours

**Foundation Year - STAGE 0 - 120 credits – 60 in each term****You must take the following compulsory modules (90 credits):**

<b>Compulsory modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>SDS CODE</b>
MAST0022	Graphs, Geometry and Trigonometry*	15	Autumn & Spring	3	<a href="#">MA022</a>
MAST0025	Foundation Statistics*	15	Autumn & Spring	3	<a href="#">MA025</a>
MAST3001	Foundation Mathematics 1*	15	Autumn	3	<a href="#">MA361</a>
MAST3002	Vectors and Mechanics*	15	Autumn	3	<a href="#">MA362</a>
MAST3003	Foundation Mathematics 2*	15	Spring	3	<a href="#">MA363</a>
MAST3004	Mathematical Skills*	15	Spring	3	<a href="#">MA364</a>

\* This module may not be compensated or trailed.

**PLUS TWO of the following modules (30 credits):**

<b>Optional modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>SDS CODE</b>
EENG0033	Introduction to programming using MATLAB	15	Autumn & Spring	3	<a href="#">EL033</a>
FOUN0047	Advanced Academic Skills for Mathematics and Science Foundation	15	Autumn <b>OR</b> Spring	3	<a href="#">LZ047</a>
FOUN0048	Academic English for Maths and Science Foundation <sup>^</sup>	15	Autumn	4	<a href="#">LZ048</a>
HIST4340	Ten Technologies That Made Us Modern	15	Spring	4	<a href="#">HI434</a>
PHIL3100	Introduction to Philosophy: Logic and Reasoning	15	Spring	4	<a href="#">PL310</a>

<sup>^</sup> [LZ048](#) Academic English for Mathematics and Science Foundation is available only to international students with an IELTS score below 6.5 (or equivalent). It is recommended that eligible students take this module.

**MATHEMATICS**  
**MATHEMATICS**  
**MATHEMATICS WITH A YEAR IN INDUSTRY**

Single Honours

**MATHS:BSC**  
**MATHS-4: MMATH**  
**MATHS-S:BSC**

**STAGE 1 - 120 credits – 60 in each term****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>	<b>SDS CODE</b>
MAST4001	Algebraic Methods	15	Autumn	4	<a href="#">MA343</a>
MAST4002	Application of Mathematics	15	Spring	4	<a href="#">MA344</a>
MAST4004	Linear Algebra	15	Spring	4	<a href="#">MA346</a>
MAST4006	Mathematical Methods 1	15	Autumn	4	<a href="#">MA348</a>
MAST4007	Mathematical Methods 2	15	Spring	4	<a href="#">MA349</a>
MAST4009	Probability	15	Autumn	4	<a href="#">MA351</a>
MAST4010	Real Analysis 1	15	Autumn	4	<a href="#">MA352</a>
MAST4011	Statistics	15	Spring	4	<a href="#">MA306</a>

**MATHEMATICS AND ACCOUNTING & FINANCE**  
**MATHEMATICS AND ACCOUNTING & FINANCE WITH A YEAR IN INDUSTRY**  
 Joint Honours

**MATHS-ACCF:BA**  
**MATHS-ACCF-S:BA**

**STAGE 1 - 120 credits – 60 in each term**

**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>	<b>SDS CODE</b>
ACCT3000	Financial Accounting I	30	Autumn & Spring	4	<a href="#">AC300</a>
ECON3130	Microeconomics for Business	15	Autumn	4	<a href="#">EC313</a>
MAST4005	Linear Mathematics	15	Spring	4	<a href="#">MA347</a>
MAST4006	Mathematical Methods 1	15	Autumn	4	<a href="#">MA348</a>
MAST4007	Mathematical Methods 2	15	Spring	4	<a href="#">MA349</a>
MAST4009	Probability	15	Autumn	4	<a href="#">MA351</a>
MAST4011	Statistics	15	Spring	4	<a href="#">MA306</a>

**MATHEMATICS AND STATISTICS**  
**MATHEMATICS AND STATISTICS WITH A YEAR IN INDUSTRY**  
 Single Honours

**MATHS-STATS:BSC**  
**MATHS-STATS-S:BSC**

**STAGE 1 - 120 credits – 60 credits in each term**

**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>	<b>SDS CODE</b>
MAST4001	Algebraic Methods	15	Autumn	4	<a href="#">MA343</a>
MAST4002	Application of Mathematics	15	Spring	4	<a href="#">MA344</a>
MAST4004	Linear Algebra	15	Spring	4	<a href="#">MA346</a>
MAST4006	Mathematical Methods 1	15	Autumn	4	<a href="#">MA348</a>
MAST4007	Mathematical Methods 2	15	Spring	4	<a href="#">MA349</a>
MAST4009	Probability	15	Autumn	4	<a href="#">MA351</a>
MAST4010	Real Analysis 1	15	Autumn	4	<a href="#">MA352</a>
MAST4011	Statistics	15	Spring	4	<a href="#">MA306</a>

**MATHEMATICS WITH SECONDARY EDUCATION**  
 Single Honours

**MATHS-EDU:BSC**

**STAGE 1 - 120 credits – 60 credits in each term**

**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>	<b>SDS CODE</b>
MAST4001	Algebraic Methods	15	Autumn	4	<a href="#">MA343</a>
MAST4002	Application of Mathematics	15	Spring	4	<a href="#">MA344</a>
MAST4004	Linear Algebra	15	Spring	4	<a href="#">MA346</a>
MAST4006	Mathematical Methods 1	15	Autumn	4	<a href="#">MA348</a>
MAST4007	Mathematical Methods 2	15	Spring	4	<a href="#">MA349</a>
MAST4009	Probability	15	Autumn	4	<a href="#">MA351</a>
MAST4010	Real Analysis 1	15	Autumn	4	<a href="#">MA352</a>
MAST4011	Statistics	15	Spring	4	<a href="#">MA306</a>

## PROGRAMMES OFFERED BY THE SCHOOL OF PHYSICAL SCIENCES

Head of School: Prof Mark Green

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

All programmes, unless specified in the rubric 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/modulecatalogue/](http://www.kent.ac.uk/courses/modulecatalogue/)

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

**ASTRONOMY, SPACE SCIENCE & ASTROPHYSICS**

**ASTRONOMY, SPACE SCIENCE & ASTROPHYSICS**

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

**ASTRONOMY, SPACE SCIENCE & ASTROPHYSICS WITH A YEAR IN INDUSTRY**

Single Honours

**ASSA:BSC**

**ASSA-4:MPHYS**

**ASSA-A:MPHYS**

**ASSA-S: BSC**

**STAGE 1 - 120 credits – 60 in each term**

**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>	<b>SDS CODE</b>
PHYS3040	Introduction to Astronomy and Special Relativity*	15	Autumn	4	<a href="#">PH304</a>
PHYS3110	Mathematics I*	15	Autumn	4	<a href="#">PH311</a>
PHYS3120	Mathematics II*	15	Spring	4	<a href="#">PH312</a>
PHYS3210	Mechanics*	15	Autumn	4	<a href="#">PH321</a>
PHYS3220	Electricity and Light*	15	Spring	4	<a href="#">PH322</a>
PHYS3230	Thermodynamics and Matter*	15	Spring	4	<a href="#">PH323</a>
PHYS3700	Laboratory and Computing Skills for Physicists*	30	Autumn & Spring	4	<a href="#">PH370</a>

\*Failure in this module may not be compensated.

**CHEMISTRY WITH A FOUNDATION YEAR**

Single Honours

**CHEMISTRY-F-4:BSC**Foundation Year - **STAGE 0** - 120 credits – 75 in Autumn, 45 in Spring

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>	<b>SDS CODE</b>
PHYS0020	Algebra and Arithmetic*	15	Autumn	3	<a href="#">PH020</a>
PHYS0022	Graphical Modules for Physical Scientists*	15	Autumn	3	<a href="#">PH022</a>
PSCI0021	Molecules and Analysis*	30	Autumn	3	<a href="#">PS021</a>
PSCI0022	Chemical Reactivity*	30	Spring	3	<a href="#">PS022</a>
PSCI0023	Properties of Matter*	30	Autumn & Spring	3	<a href="#">PS023</a>

\*Failure in this module may not be compensated.

**CHEMISTRY****CHEMISTRY****CHEMISTRY WITH A YEAR IN INDUSTRY**

Single Honours

**CHEMISTRY:BSC****CHEMISTRY:MCHEM****CHEMISTRY-S:BSC****STAGE 1** - 120 credits – 52.5 in Autumn, 67.5 in Spring

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>	<b>SDS CODE</b>
CHEM3080	Molecules Matter & Energy*	15	Autumn & Spring	4	<a href="#">CH308</a>
CHEM3090	Fundamental Organic Chemistry for Physical Scientists*	15	Autumn & Spring	4	<a href="#">CH309</a>
CHEM3140	Introduction to Biochemistry and Drug Chemistry*	15	Spring	4	<a href="#">CH314</a>
CHEM3150	Disasters*	15	Autumn	4	<a href="#">CH315</a>
CHEM3160	Computing Skills*	15	Spring	4	<a href="#">CH316</a>
CHEM3200	Chemical Reactions*	15	Autumn & Spring	4	<a href="#">CH320</a>
CHEM3820	Chemical Skills*	30	Autumn & Spring	4	<a href="#">CH382</a>

\*Failure in this module may not be compensated.



**FORENSIC SCIENCE WITH A FOUNDATION YEAR**

Single Honours

**FORENSIC-F-4:BSC****Foundation Year - STAGE 0 - 120 credits – 75 in Autumn, 45 in Spring****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>	<b>SDS CODE</b>
PHYS0020	Algebra and Arithmetic*	15	Autumn	3	<a href="#">PH020</a>
PHYS0022	Graphical Modules for Physical Scientists*	15	Autumn	3	<a href="#">PH022</a>
PSCI0021	Molecules and Analysis*	30	Autumn	3	<a href="#">PS021</a>
PSCI0022	Chemical Reactivity*	30	Spring	3	<a href="#">PS022</a>
PSCI0023	Properties of Matter*	30	Autumn & Spring	3	<a href="#">PS023</a>

\*Failure in this module may not be compensated.

**FORENSIC SCIENCE**  
**FORENSIC SCIENCE**  
**FORENSIC SCIENCE WITH A YEAR IN INDUSTRY**  
 Single Honours

**FORENSIC:BSC**  
**FORENSIC:MSCI**  
**FORENSIC-S:BSC**

**STAGE 1 - 120 credits – 45 in Autumn, 75 in Spring****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>	<b>SDS CODE</b>
CHEM3080	Molecules Matter & Energy*	15	Autumn & Spring	4	<a href="#">CH308</a>
CHEM3090	Fundamental Organic Chemistry for Physical Scientists*	15	Autumn & Spring	4	<a href="#">CH309</a>
CHEM3140	Introduction to Biochemistry and Drug Chemistry*	15	Spring	4	<a href="#">CH314</a>
PSCI3010	Introduction to Forensic Science*	15	Spring	4	<a href="#">PS301</a>
PSCI3180	Skills for Forensic Scientists*	15	Autumn & Spring	4	<a href="#">PS318</a>
PSCI3240	Introduction to Ballistics*	15	Autumn & Spring	4	<a href="#">PS324</a>
PSCI3810	Chemical Skills For Forensic Scientists*	30	Autumn & Spring	4	<a href="#">PS381</a>

\*Failure in this module may not be compensated.

**PHYSICS WITH A FOUNDATION YEAR**

PHYS-F-4:BSC

Single Honours

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

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>	<b>SDS CODE</b>
EENG0021	Calculus*	15	Autumn & Spring	3	<a href="#">EL021</a>
EENG0024	Electromagnetics for Engineers*	15	Spring	3	<a href="#">EL024</a>
PHYS0020	Algebra and Arithmetic*	15	Autumn	3	<a href="#">PH020</a>
PHYS0022	Graphical Modules for Physical Scientists*	15	Autumn	3	<a href="#">PH022</a>
PHYS0023	Motion & Mechanics*	15	Spring	3	<a href="#">PH023</a>
PHYS0025	Waves and Vibrations*	15	Autumn	3	<a href="#">PH025</a>
PHYS0026	Properties of Matter*	15	Spring	3	<a href="#">PH026</a>
PHYS0027	Introductory Physics Laboratory and Communication Skills*	15	Autumn & Spring	3	<a href="#">PH027</a>

\*Failure in this module may not be compensated.

**PHYSICS****PHYSICS****PHYSICS WITH A YEAR IN INDUSTRY****PHYSICS WITH A YEAR ABROAD**

Single Honours

**PHYS:BSC****PHYS-4: MPHYS****PHYS-S:BSC****PHYS-A:MPHYS****STAGE 1 - 120 credits – 60 in each term**

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>	<b>SDS CODE</b>
PHYS3040	Introduction to Astronomy and Special Relativity	15	Autumn	4	<a href="#">PH304</a>
PHYS3110	Mathematics I*	15	Autumn	4	<a href="#">PH311</a>
PHYS3120	Mathematics II*	15	Spring	4	<a href="#">PH312</a>
PHYS3210	Mechanics*	15	Autumn	4	<a href="#">PH321</a>
PHYS3220	Electricity and Light*	15	Spring	4	<a href="#">PH322</a>
PHYS3230	Thermodynamics and Matter*	15	Spring	4	<a href="#">PH323</a>
PHYS3700	Laboratory and Computing Skills for Physicists*	30	Autumn & Spring	4	<a href="#">PH370</a>

\*Failure in this module may not be compensated.

PHYSICS WITH ASTROPHYSICS  
 PHYSICS WITH ASTROPHYSICS  
 PHYSICS WITH ASTROPHYSICS WITH A YEAR ABROAD  
 PHYSICS WITH ASTROPHYSICS WITH A YEAR IN INDUSTRY  
 Single Honours

PHYS/ASTRO:BSC  
 PHYS/ASTRO-4: MPHYS  
 PHYS/ASTRO-A: MPHYS  
 PHYS/ASTRO-S: BSC

**STAGE 1 - 120 credits – 60 in each term**

**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>	<b>SDS CODE</b>
PHYS3040	Introduction to Astronomy and Special Relativity*	15	Autumn	4	<a href="#">PH304</a>
PHYS3110	Mathematics I*	15	Autumn	4	<a href="#">PH311</a>
PHYS3120	Mathematics II*	15	Spring	4	<a href="#">PH312</a>
PHYS3210	Mechanics*	15	Autumn	4	<a href="#">PH321</a>
PHYS3220	Electricity and Light*	15	Spring	4	<a href="#">PH322</a>
PHYS3230	Thermodynamics and Matter*	15	Spring	4	<a href="#">PH323</a>
PHYS3700	Laboratory and Computing Skills for Physicists*	30	Autumn & Spring	4	<a href="#">PH370</a>

\*Failure in this module may not be compensated.