SCIENCES 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 (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
- Forensic Science with a Year Abroad: 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

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/

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

BIOCHEMISTRY **BIOCH:BSC**
BIOCHEMISTRY WITH A SANDWICH YEAR **BIOCH-S:BSC**
BIOCHEMISTRY WITH A YEAR ABROAD **BIOCH(V2)-A:BSC**
Single Honours

STAGE 1 - 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
BIOS3000	Introduction to Biochemistry*	15	Autumn	4	BI300
BIOS3010	Enzymes and Introduction to Metabolism*	15	Spring	4	BI301
BIOS3020	Molecular and Cellular Biology I*	15	Autumn	4	BI302
BIOS3070	Human Physiology and Disease*	15	Spring	4	BI307
BIOS3080	Skills for Bioscientists*	15	Autumn & Spring	4	BI308
BIOS3220	Biological Chemistry B*	30	Autumn & Spring	4	BI3220
BIOS3240	Genetics and Evolution*	15	Autumn	4	BI324

* Modules cannot be compensated or condoned.

Compulsory non-contributory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	SDS CODE
BIOS4000	Biosciences Academic Support. Key Skills and Information I	1	Autumn & Spring	4	BI400

BIOLOGY **BIOL:BSC**
BIOLOGY WITH A SANDWICH YEAR **BIOL-S:BSC**
BIOLOGY WITH A YEAR ABROAD **BIOL(V2)-A:BSC**
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	SDS CODE
BIOS3000	Introduction to Biochemistry*	15	Autumn	4	BI300
BIOS3010	Enzymes and Introduction to Metabolism*	15	Spring	4	BI301
BIOS3020	Molecular and Cellular Biology I*	15	Autumn	4	BI302
BIOS3070	Human Physiology and Disease*	15	Spring	4	BI307
BIOS3080	Skills for Bioscientists*	15	Autumn & Spring	4	BI308
BIOS3230	Diversity of Living Organisms*	15	Spring	4	BI323
BIOS3240	Genetics and Evolution*	15	Autumn	4	BI324

* Modules cannot be compensated or condoned.

Compulsory non-contributory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	SDS CODE
BIOS4000	Biosciences Academic Support. Key Skills and Information I	1	Autumn & Sprint	4	BI400

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.

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	SDS CODE
BIOS3210	Biological Chemistry A*	15	Autumn & Spring	4	BI3210
BIOS3211	Biological Chemistry A*	15	Autumn & Spring	4	BI321
HECO3030	Survey & Monitoring for Biodiversity	15	Spring	4	DI303
WCON3111	Principles of Biogeography & Ecology	15	Spring	4	DI311

* Modules cannot be compensated or condoned.

BIOMEDICAL SCIENCE **BIOMEDSCI:BSC**
BIOMEDICAL SCIENCE WITH A SANDWICH YEAR **BIOMEDSCI-S:BSC**
BIOMEDICAL SCIENCE WITH A YEAR ABROAD **BIOMEDSCI (V2)-A:BSC**
Single Honours

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

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

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

* Modules cannot be compensated or condoned.

Compulsory non-contributory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	SDS CODE
BIOS4000	Biosciences Academic Support. Key Skills and Information I	1	Autumn & Spring	4	BI400

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.

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	SDS CODE
BIOS3220	Biological Chemistry B*	30	Autumn & Spring	4	BI3220
BIOS3221	Biological Chemistry B*	30	Autumn & Spring	4	BI322

* 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

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/

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

COMPUTER SCIENCE **COMPSCI:BSC**
COMPUTER SCIENCE WITH A YEAR IN INDUSTRY **COMPSCI-S:BSC**
COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE) **COMPSCI(AI):BSC**
COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE) WITH A YEAR IN INDUSTRY **COMPSCI(AI)-S:BSC**
COMPUTER SCIENCE (NETWORKS) **COMPSCI(NET):BSC**
COMPUTER SCIENCE (NETWORKS) WITH A YEAR IN INDUSTRY **COMPSCI(NET)-S:BSC**
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	SDS CODE
COMP3200	Introduction to Object-Oriented Programming	15	Autumn	4	CO320
COMP3220	Foundations of Computing I	15	Autumn	4	CO322
COMP3230	Databases and the Web	15	Spring	4	CO323
COMP3250	Foundations of Computing II	15	Spring	4	CO325
COMP3280	Human Computer Interaction	15	Autumn	4	CO328
COMP3370	Computers and the Cloud	15	Autumn	4	CO337
COMP3830	Problem Solving with Algorithms	15	Spring	4	CO383
COMP5200	Further Object-Oriented Programming	15	Spring	5	CO520

PROGRAMMES OFFERED BY THE SCHOOL OF ENGINEERING AND DIGITAL ARTS
Head of School: Prof Farzin Deravi
School Web Site: 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/

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

BIOMEDICAL ENGINEERING **BIOMEDENG-S:BENG**
BIOMEDICAL ENGINEERING WITH A YEAR IN INDUSTRY **BIOMEDENG:BENG**
Single Honours

STAGE 1 - 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
BIOS3000	Introduction to Biochemistry	15	Autumn	4	BI300
BIOS3020	Molecular and Cellular Biology I	15	Autumn	4	BI302
BIOS3080	Skills for Bioscientists	15	Autumn & Spring	4	BI308
EENG3050	Introduction to Electronics	15	Autumn	4	EL305
EENG3110	First Year Engineering Applications Project	15	Spring	4	EL311
EENG3150	Digital Technologies	15	Spring	4	EL315
EENG3180	Engineering Mathematics	15	Autumn	4	EL318
EENG3190	Engineering Analysis	15	Spring	4	EL319

COMPUTER SYSTEMS ENGINEERING INCLUDING A FOUNDATION YEAR **CSENG-F-4:BENG**
Single Honours

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	EL021
EENG0024	Electromagnetics for Engineers	15	Spring	3	EL024
EENG0025	Electrical Principles and Measurements	15	Autumn	3	EL025
EENG0026	Analogue Electronics	15	Autumn & Spring	3	EL026
EENG0027	Semiconductor and Digital Electronics	15	Autumn & Spring	3	EL027
EENG0033	Introduction to programming using MATLAB	15	Autumn & Spring	3	EL033
MAST0022	Graphs, Geometry and Trigonometry	15	Autumn & Spring	3	MA022
PHYS0020	Algebra and Arithmetic	15	Autumn	3	PH020

COMPUTER SYSTEMS ENGINEERING **CSENG:BENG**
COMPUTER SYSTEMS ENGINEERING **CSENG:MENG**
COMPUTER SYSTEMS ENGINEERING WITH A YEAR IN INDUSTRY **CSENG-S:BENG**
COMPUTER SYSTEMS ENGINEERING WITH A YEAR IN INDUSTRY **CSENG-S:MENG**
Single Honours

STAGE 1 - 120 credits – 60 credits in Autumn - 60 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	CO320
EENG3030	Electronic Circuits	15	Spring	4	EL303
EENG3050	Introduction to Electronics	15	Autumn	4	EL305
EENG3110	First Year Engineering Applications Project	15	Spring	4	EL311
EENG3150	Digital Technologies	15	Spring	4	EL315
EENG3180	Engineering Mathematics	15	Autumn	4	EL318
EENG3190	Engineering Analysis	15	Spring	4	EL319
EENG3230	Introduction to Mechanical Engineering and Design	15	Autumn	4	EL323

DIGITAL ARTS **DIGARTS:BA**
DIGITAL ARTS **DIGARTS: MART**
DIGITAL ARTS WITH A YEAR IN INDUSTRY **DIGARTS-S:BA**
DIGITAL ARTS WITH A YEAR IN INDUSTRY **DIGARTS-S:MART**
Single Honours

STAGE 1 - 120 credits – 60 in Autumn, 45 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
DIGM3310	Website Design	15	Autumn	4	EL331
DIGM3380	Visual Culture	15	Autumn	4	EL338
DIGM3390	Digital Photography	15	Autumn	4	EL339
DIGM3400	Digital Effects	15	Spring	4	EL340
DIGM3410	Graphic Design	15	Spring	4	EL341
DIGM3420	Moving Image	15	Spring	4	EL342
DIGM5420	Tangible Media	15	Summer	5	EL542
EENG3130	Introduction to Programming	15	Autumn	4	EL313

ELECTRONIC AND COMMUNICATIONS ENGINEERING WITH A FOUNDATION YEAR **ELCOMENG-F-4:BENG**
Single Honours

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	EL021
EENG0024	Electromagnetics for Engineers	15	Spring	3	EL024
EENG0025	Electrical Principles and Measurements	15	Autumn	3	EL025
EENG0026	Analogue Electronics	15	Autumn & Spring	3	EL026
EENG0027	Semiconductor and Digital Electronics	15	Autumn & Spring	3	EL027
EENG0033	Introduction to programming using MATLAB	15	Autumn & Spring	3	EL033
MAST0022	Graphs, Geometry and Trigonometry	15	Autumn & Spring	3	MA022
PHYS0020	Algebra and Arithmetic	15	Autumn	3	PH020

ELECTRONIC AND COMMUNICATIONS ENGINEERING **ELCOMENG:BENG**
ELECTRONIC AND COMMUNICATIONS ENGINEERING **ELCOMENG:MENG**
ELECTRONIC AND COMMUNICATIONS ENGINEERING WITH A YEAR IN INDUSTRY **ELCOMENG-S:BENG**
ELECTRONIC AND COMMUNICATIONS ENGINEERING WITH A YEAR IN INDUSTRY **ELCOMENG-S:MENG**
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	SDS CODE
EENG3030	Electronic Circuits	15	Spring	4	EL303
EENG3050	Introduction to Electronics	15	Autumn	4	EL305
EENG3110	First Year Engineering Applications Project	15	Spring	4	EL311
EENG3130	Introduction to Programming	15	Autumn	4	EL313
EENG3150	Digital Technologies	15	Spring	4	EL315
EENG3180	Engineering Mathematics	15	Autumn	4	EL318
EENG3190	Engineering Analysis	15	Spring	4	EL319
EENG3230	Introduction to Mechanical Engineering and Design	15	Autumn	4	EL323

MULTIMEDIA TECHNOLOGY AND DESIGN **MULTI/TECH:BSC**
MULTIMEDIA TECHNOLOGY AND DESIGN WITH A YEAR IN INDUSTRY **MULTI/TECH-S:BSC**
Single Honours

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

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	SDS CODE
DIGM3310	Website Design	15	Autumn	4	EL331
DIGM3380	Visual Culture	15	Autumn	4	EL338
DIGM3390	Digital Photography	15	Autumn	4	EL339
DIGM3400	Digital Effects	15	Spring	4	EL340
DIGM3420	Moving Image	15	Spring	4	EL342
DIGM5420	Tangible Media	15	Summer	5	EL542
EENG3130	Introduction to Programming	15	Autumn	4	EL313
EENG3340	Internet Programming with Java	15	Spring	4	EL334

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

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/

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):

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

* 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):

Optional module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	SDS CODE
FOUN0048	Academic English for Maths and Science Foundation	15	Autumn	4	LZ048

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

Optional modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	SDS CODE
HIST4340	Ten Technologies That Made Us Modern	15	Spring	4	HI434
PHIL3100	Introduction to Philosophy: Logic and Reasoning	15	Spring	4	PL310

ACTUARIAL SCIENCE **ACTSCI:BSC**
ACTUARIAL SCIENCE WITH A YEAR IN INDUSTRY **ACTSCI-S:BSC**
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	SDS CODE
MACT3090	Business Economics*	15	Autumn & Spring	4	MA309
MACT4012	Financial Mathematics*	15	Spring	4	MA4512
MACT4013	Actuarial Practice 1	15	Autumn	4	MA4513
MAST4005	Linear Mathematics	15	Spring	4	MA347
MAST4006	Mathematical Methods 1	15	Autumn	4	MA348
MAST4007	Mathematical Methods 2	15	Spring	4	MA349
MAST4009	Probability*	15	Autumn	4	MA351
MAST4011	Statistics*	15	Spring	4	MA306

*This module cannot be compensated or trailed.

FINANCIAL MATHEMATICS **FINMATHS:BSC**
FINANCIAL MATHEMATICS WITH A YEAR IN INDUSTRY **FINMATHS-S:BSC**
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	SDS CODE
MAST4003	Introduction to Finance	15	Autumn	4	MA345
MAST4005	Linear Mathematics	15	Spring	4	MA347
MAST4006	Mathematical Methods 1	15	Autumn	4	MA348
MAST4007	Mathematical Methods 2	15	Spring	4	MA349
MAST4008	Microeconomics for Financial Mathematicians	15	Spring	4	MA350
MAST4009	Probability	15	Autumn	4	MA351
MAST4010	Real Analysis 1	15	Autumn	4	MA352
MAST4011	Statistics	15	Spring	4	MA306

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):

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

PLUS 30 credits from the following optional modules:

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

^ 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 **MATHS:BSC**
MATHEMATICS **MATHS-4: MMATH**
MATHEMATICS WITH A YEAR IN INDUSTRY **MATHS-S:BSC**
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	SDS CODE
MAST4001	Algebraic Methods	15	Autumn	4	MA343
MAST4002	Applications of Mathematics	15	Spring	4	MA344
MAST4004	Linear Algebra	15	Spring	4	MA346
MAST4006	Mathematical Methods 1	15	Autumn	4	MA348
MAST4007	Mathematical Methods 2	15	Spring	4	MA349
MAST4009	Probability	15	Autumn	4	MA351
MAST4010	Real Analysis 1	15	Autumn	4	MA352
MAST4011	Statistics	15	Spring	4	MA306

MATHEMATICS AND ACCOUNTING & FINANCE **MATHS-ACCF:BA**
MATHEMATICS AND ACCOUNTING & FINANCE WITH A YEAR IN INDUSTRY **MATHS-ACCF-S:BA**
Joint 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	SDS CODE
ACCT3000	Financial Accounting I	30	Autumn & Spring	4	AC300
ECON3130	Microeconomics for Business	15	Autumn	4	EC313
MAST4005	Linear Mathematics	15	Spring	4	MA347
MAST4006	Mathematical Methods 1	15	Autumn	4	MA348
MAST4007	Mathematical Methods 2	15	Spring	4	MA349
MAST4009	Probability	15	Autumn	4	MA351
MAST4011	Statistics	15	Spring	4	MA306

MATHEMATICS AND STATISTICS **MATHS-STATS:BSC**
MATHEMATICS AND STATISTICS WITH A YEAR IN INDUSTRY **MATHS-STATS-S:BSC**
Single Honours

STAGE 1 - 120 credits – 60 credits in each term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	SDS CODE
MAST4001	Algebraic Methods	15	Autumn	4	MA343
MAST4002	Applications of Mathematics	15	Spring	4	MA344
MAST4004	Linear Algebra	15	Spring	4	MA346
MAST4006	Mathematical Methods 1	15	Autumn	4	MA348
MAST4007	Mathematical Methods 2	15	Spring	4	MA349
MAST4009	Probability	15	Autumn	4	MA351
MAST4010	Real Analysis 1	15	Autumn	4	MA352
MAST4011	Statistics	15	Spring	4	MA306

MATHEMATICS WITH SECONDARY EDUCATION **MATHS-EDU:BSC**
Single Honours

STAGE 1 - 120 credits – 60 credits in each term

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	SDS CODE
MAST4001	Algebraic Methods	15	Autumn	4	MA343
MAST4002	Applications of Mathematics	15	Spring	4	MA344
MAST4004	Linear Algebra	15	Spring	4	MA346
MAST4006	Mathematical Methods 1	15	Autumn	4	MA348
MAST4007	Mathematical Methods 2	15	Spring	4	MA349
MAST4009	Probability	15	Autumn	4	MA351
MAST4010	Real Analysis 1	15	Autumn	4	MA352
MAST4011	Statistics	15	Spring	4	MA306

PROGRAMMES OFFERED BY THE SCHOOL OF PHYSICAL SCIENCES
Head of School: Prof Nigel Mason
School Web Site: 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/

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

ASTRONOMY, SPACE SCIENCE & ASTROPHYSICS **ASSA:BSC**
ASTRONOMY, SPACE SCIENCE & ASTROPHYSICS **ASSA-4:MPHYS**
ASTRONOMY, SPACE SCIENCE & ASTROPHYSICS WITH A YEAR ABROAD **ASSA-A:MPHYS**
ASTRONOMY, SPACE SCIENCE & ASTROPHYSICS WITH A YEAR IN INDUSTRY **ASSA-S: BSC**
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	SDS CODE
PHYS3040	Introduction to Astronomy and Special Relativity*	15	Autumn	4	PH304
PHYS3110	Mathematics I*	15	Autumn	4	PH311
PHYS3120	Mathematics II*	15	Spring	4	PH312
PHYS3210	Mechanics*	15	Autumn	4	PH321
PHYS3220	Electricity and Light*	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.

CHEMISTRY WITH A FOUNDATION YEAR **CHEMISTRY-F-4:BSC**
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	SDS CODE
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.

CHEMISTRY **CHEMISTRY:BSC**
CHEMISTRY **CHEMISTRY:MCHEM**
CHEMISTRY WITH A YEAR IN INDUSTRY **CHEMISTRY-S:BSC**
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	SDS CODE
CHEM3080	Molecules Matter & Energy*	15	Autumn & Spring	4	CH308
CHEM3090	Fundamental Organic Chemistry for Physical Scientists*	15	Autumn	4	CH309
CHEM3140	Introduction to Biochemistry and Drug Chemistry*	15	Spring	4	CH314
CHEM3150	Disasters*	15	Autumn	4	CH315
CHEM3160	Computing Skills*	15	Spring	4	CH316
CHEM3200	Chemical Reactions*	15	Autumn & Spring	4	CH320
CHEM3820	Chemical Skills*	30	Autumn & Spring	4	CH382

*Failure in this module may not be compensated.

FORENSIC SCIENCE WITH A FOUNDATION YEAR **FORENSIC-F-4:BSC**
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	SDS CODE
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.

FORENSIC SCIENCE **FORENSIC:BSC**
FORENSIC SCIENCE **FORENSIC:MSCI**
FORENSIC SCIENCE WITH A YEAR IN INDUSTRY **FORENSIC-S:BSC**
FORENSIC SCIENCE WITH A YEAR ABROAD **FORENSIC–A:BSC**
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	SDS CODE
CHEM3080	Molecules Matter & Energy*	15	Autumn & Spring	4	CH308
CHEM3090	Fundamental Organic Chemistry for Physical Scientists*	15	Autumn	4	CH309
CHEM3140	Introduction to Biochemistry and Drug Chemistry*	15	Spring	4	CH314
PSCI3010	Introduction to Forensic Science*	15	Spring	4	PS301
PSCI3180	Skills for Forensic Scientists*	15	Autumn & Spring	4	PS318
PSCI3240	Introduction to Ballistics*	15	Autumn & Spring	4	PS324
PSCI3810	Chemical Skills For Forensic Scientists*	30	Autumn & Spring	4	PS381

*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):

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	SDS CODE
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	Spring	3	PH023
PHYS0025	Waves and Vibrations*	15	Autumn	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.

PHYSICS **PHYS:BSC**
PHYSICS **PHYS-4: MPHYS**
PHYSICS WITH A YEAR IN INDUSTRY **PHYS-S:BSC**
PHYSICS WITH A YEAR ABROAD **PHYS-A:MPHYS**
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	SDS CODE
PHYS3040	Introduction to Astronomy and Special Relativity*	15	Autumn	4	PH304
PHYS3110	Mathematics I*	15	Autumn	4	PH311
PHYS3120	Mathematics II*	15	Spring	4	PH312
PHYS3210	Mechanics*	15	Autumn	4	PH321
PHYS3220	Electricity and Light*	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.

PHYSICS WITH ASTROPHYSICS **PHYS/ASTRO:BSC**
PHYSICS WITH ASTROPHYSICS **PHYS/ASTRO-4: MPHYS**
PHYSICS WITH ASTROPHYSICS WITH A YEAR ABROAD **PHYS/ASTRO-A: MPHYS**
PHYSICS WITH ASTROPHYSICS WITH A YEAR IN INDUSTRY **PHYS/ASTRO-S: BSC**
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	SDS CODE
PHYS3040	Introduction to Astronomy and Special Relativity*	15	Autumn	4	PH304
PHYS3110	Mathematics I*	15	Autumn	4	PH311
PHYS3120	Mathematics II*	15	Spring	4	PH312
PHYS3210	Mechanics*	15	Autumn	4	PH321
PHYS3220	Electricity and Light*	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.