

DIVISION OF NATURAL SCIENCES

Chemistry & Forensic Science

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

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 course.

Please select a link below to view the Stage 2+ requirements for your course:

- [Chemistry: BSc](#)
- [Chemistry: MChem](#)
- [Chemistry with a Year Abroad: BSc](#)
- [Chemistry with a Professional Placement: BSc](#)
- [Chemistry with a Foundation Year: BSc](#)
- [Forensic Science: BSc](#)
- [Forensic Science: MSci](#)
- [Forensic Science with a Year Abroad: BSc](#)
- [Forensic Science with a Professional Placement: BSc](#)
- [Forensic Science with a Foundation Year: 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.

CHEMISTRY	UCHE0001X1BS-F
CHEMISTRY:BSC	
CHEMISTRY WITH A YEAR ABROAD	UCHE0001A1BS-F
CHEMISTRY-A:BSC	
CHEMISTRY WITH A PROFESSIONAL PLACEMENT	UCHE0001P2BS-F
CHEMISTRY-S:BSC	
CHEMISTRY WITH A FOUNDATION YEAR	UCHE0001F1BS-F
CHEMISTRY-F-4:BSC	
CHEMISTRY(4 YEAR)	UCHE0001X1MH-F
CHEMISTRY:MCHEM	
Single Honours	

STAGE 2 – 121 credits

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
CHEM5600	Physical Chemistry 2 - Quantum Mechanics	15	Spring	5
CHEM5610	Organic Chemistry 2 - Molecular Synthesis	15	Autumn	5
CHEM5620	Inorganic Chemistry 2 - Organometallics and Main Group	15	Autumn	5
CHEM5700	Materials Chemistry 1 - Structure and Properties	15	Spring	5
CHEM5710	Biochemistry - Biomolecules and Enzymes	15	Spring	5
CHEM5720	Analytical Chemistry 1 - Methods and Validation	15	Autumn	5
CHEM5920	Experimental Chemistry 2	15	Autumn	5
CHEM5930	Experimental Chemistry 3	15	Spring	5

PLUS the following extra-curricular compulsory module:

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
CHEM5001	Chemistry and Forensic Science Academic Advising and Skills Development II	1 Non-contributory	Year-long	5

CHEMISTRY WITH A YEAR ABROAD	UCHE0001A1BS-F
CHEMISTRY-A:BSC	

STAGE A – 120 credits

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

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
PSCI5930*	Year Abroad	120	Year-long	5

*Failure in this module may not be compensated

CHEMISTRY WITH A PROFESSIONAL PLACEMENT	UCHE0001P2BS-F
CHEMISTRY-S:BSC	

STAGE S – 120 credits

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

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
PSCI5910*	Professional Placement Experience	90	Year-long	5
PSCI5920**	Professional Placement Assessment	30	Year Long	5

*Module cannot be compensated or condoned

**Module may be trailed alongside stage 3

CHEMISTRY	UCHE0001X1BS-F
CHEMISTRY:BSC	
CHEMISTRY WITH A PROFESSIONAL PLACEMENT	UCHE0001P2BS-F
CHEMISTRY-S:BSC	
CHEMISTRY WITH A YEAR ABROAD	UCHE0001A1BS-F
CHEMISTRY-A:BSC	
CHEMISTRY WITH A FOUNDATION YEAR	UCHE0001F1BS-F
CHEMISTRY-F-4:BSC	

Single Honours

STAGE 3 – 121 credits

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
CHEM6600	Inorganic Chemistry 3 - Mechanism and Reactivity	15	Spring	6
CHEM6610	Organic Chemistry 3 - Advanced Synthesis	15	Spring	6
CHEM6700	Supramolecular and Polymer Chemistry	15	Autumn	6
CHEM6710	Materials Chemistry 2 - Methods and Materials	15	Autumn	6
CHEM6720	Analytical Chemistry 2 - Advanced Methods	15	Autumn	6
CHEM6730	Physical Chemistry 3 - Computational Chemistry	15	Spring	6
CHEM6910*	Chemistry Research Project	15	Autumn & Spring	6
CHEM7800	Project and Research Management	15	Autumn	7

*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
CHEM6001	Chemistry and Forensic Science Academic Advising and Skills Development III	1 Non-Contributory	Year-long	6

CHEMISTRY (4 YEAR Programme)
CHEMISTRY:MCHEM

UCHE0001X1MH-F

Single Honours

STAGE 3 – 121 credits

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
CHEM6600	Inorganic Chemistry 3 - Mechanism and Reactivity	15	Spring	6
CHEM6610	Organic Chemistry 3 - Advanced Synthesis	15	Spring	6
CHEM6700	Supramolecular and Polymer Chemistry	15	Autumn	6
CHEM6710	Materials Chemistry 2 - Methods and Materials	15	Autumn	6
CHEM6720	Analytical Chemistry 2 - Advanced Methods	15	Autumn	6
CHEM6730	Physical Chemistry 3 - Computational Chemistry	15	Spring	6
CHEM6910	Chemistry Research Project	15	Autumn & Spring	7
CHEM7800	Project and Research Management	15	Autumn	7

PLUS the following extra-curricular compulsory module:

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
CHEM6001	Chemistry and Forensic Science Academic Advising and Skills Development III	1 Non-Contributory	Year-long	6

CHEMISTRY (4 YEAR)
CHEMISTRY:MCHEM

UCHE0001X1MH-F

Single Honours

STAGE 4 – 121 credits

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
CHEM7410	Computational Chemistry	15	Spring	7
CHEM7910*	Advanced Chemistry Project	60	Autumn & Spring	7
EENG6141	Biomaterials	15	Autumn & Spring	6
PSCI7130	Substances of Abuse	15	Autumn & Spring	7
PSCI7410	Advanced Research Skills	15	Spring	7

*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
CHEM7001	Chemistry and Forensic Science Academic Advising and Skills Development IV	1 Non-contributory	Year-long	7

FORENSIC SCIENCE FORENSIC:BSC	UFSC0001X1BS-F
FORENSIC SCIENCE WITH A PROFESSIONAL PLACEMENT FORENSIC-S:BSC	UFSC0001P2BS-F
FORENSIC SCIENCE WITH A YEAR ABROAD FORENSIC-A:BSC	UFSC0001A1BS-F
FORENSIC SCIENCE WITH A FOUNDATION YEAR FORENSIC-F-4:BSC	UFSC0001F1BS-F
FORENSIC SCIENCE (4 YEAR) FORENSIC:MSCI	UFSC0001X1MS-F

Single Honours

STAGE 2 – 121 credits

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
CHEM5710	Biochemistry - Biomolecules and Enzymes	15	Spring	5
CHEM5720	Analytical Chemistry 1 - Methods and Validation	15	Autumn	5
FSCI5010	Fundamental Forensic Techniques	15	Autumn	5
FSCI5020	Forensic Archaeology	15	Spring	5
FSCI5030	Applied Forensic Practice	15	Autumn	5
FSCI5040	Practical Skills for Forensic Science 2	15	Spring	5
FSCI5110	Digital Forensics	15	Autumn	5
FSCI5560	Forensic Ballistics	15	Spring	5

PLUS the following extra-curricular compulsory module:

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
CHEM5001	Chemistry and Forensic Science Academic Advising and Skills Development II	1 Non-contributory	Year-long	5

FORENSIC SCIENCE WITH A YEAR ABROAD FORENSIC-A:BSC	UFSC0001A1BS-F
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STAGE A – 120 credits

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

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
PSCI5930*	Year Abroad	120	Year-long	5

*Failure in this module may not be compensated

FORENSIC SCIENCE WITH A PROFESSIONAL PLACEMENT FORENSIC-S:BSC	UFSC0001P2BS-F
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STAGE S – 120 credits

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

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
PSCI5910*	Professional Placement Experience	90	Year-long	5
PSCI5920**	Professional Placement Assessment	30	Year-long	5

*Module cannot be compensated or condoned

**Module may be trailed alongside stage 3

FORENSIC SCIENCE

FORENSIC:BSC

UFSC0001X1BS-F

FORENSIC SCIENCE WITH A YEAR ABROAD

FORENSIC-A:BSC

UFSC0001A1BS-F

FORENSIC SCIENCE WITH A PROFESSIONAL PLACEMENT

FORENSIC-S:BSC

UFSC0001P2BS-F

FORENSIC SCIENCE WITH A FOUNDATION YEAR

FORENSIC-F-4:BSC

UFSC0001F1BS-F

Single Honours

STAGE 3 – 121 credits

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
CHEM6720	Analytical Chemistry 2 - Advanced Methods	15	Autumn	6
FSCI6010	Fires and Explosions	15	Spring	6
FSCI6020	Law of Evidence and the Expert Witness	15	Autumn & Spring	6
FSCI6030	Chemistry for the Analysis of Trace Evidence	15	Autumn	6
FSCI6120	Advanced Topics in Forensic Science	15	Spring	6
FSCI6200	Forensic Science Project	30	Autumn & Spring	6
FSCI6370	DNA Analysis & Interpretation	15	Spring	6

*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
CHEM6001	Chemistry and Forensic Science Academic Advising and Skills Development III	1 Non-contributory	Year-long	6

FORENSIC SCIENCE (4 YEAR Programme)
FORENSIC:MSCI

UFSC0001X1MS-F

Single Honours

STAGE 3 – 121 credits

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
CHEM6720	Analytical Chemistry 2 - Advanced Methods	15	Autumn	6
CHEM6910	Chemistry Research Project	15	Autumn & Spring	7
CHEM7800	Project and Research Management	15	Autumn	7
FSCI6010	Fires and Explosions	15	Spring	6
FSCI6020	Law of Evidence and the Expert Witness	15	Autumn & Spring	6
FSCI6030	Chemistry for the Analysis of Trace Evidence	15	Autumn	6
FSCI6120	Advanced Topics in Forensic Science	15	Spring	6
FSCI6370	DNA Analysis & Interpretation	15	Spring	6

*Failure in this module may not be compensated

PLUS the following extra-curricular compulsory module:

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
CHEM6001	Chemistry and Forensic Science Academic Advising and Skills Development III	1 Non-contributory	Year-long	6

FORENSIC SCIENCE (4 YEAR)
FORENSIC:MSCI

UFSC0001X1MS-F

Single Honours

STAGE 4 – 121 credits

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
FSCI7001	Forensic Taphonomy	15	Autumn	7
PSCI7130	Substances of Abuse	15	Autumn & Spring	7
PSCI7170	Modern Approaches to Incident Management	30	Autumn & Spring	7
PSCI7400*	Forensic Science Research Project MSCI	60	Autumn & Spring	7

*Failure in this module may not be compensated

PLUS the following extra-curricular compulsory module:

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL
CHEM7001	Chemistry and Forensic Science Academic Advising and Skills Development IV	1 Non-contributory	Year-long	7