

## DIVISION OF NATURAL SCIENCES

### Chemistry & Forensic Science

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

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

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

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

*The information contained herein is correct at the time of publication. Please note, however, that if a module recruits fewer than 8 students it is possible that it will not run. In this event, you will be contacted and asked to select an alternative module. **The University cannot guarantee whether all options will be available, or how they will be delivered, if Government Covid restrictions continue.***

<b>CHEMISTRY</b>	<b>UCHE0001X1BS-F</b>
CHEMISTRY:BSC	
<b>CHEMISTRY WITH A YEAR ABROAD</b>	<b>UCHE0001A1BS-F</b>
CHEMISTRY-A:BSC	
<b>CHEMISTRY WITH A PROFESSIONAL PLACEMENT</b>	<b>UCHE0001P2BS-F</b>
CHEMISTRY-S:BSC	
<b>CHEMISTRY (4 YEAR)</b>	<b>UCHE0001X1MH-F</b>
CHEMISTRY:MCHEM	

Single Honours

**STAGE 2 - 120 credits**

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
CHEM5600	Physical Chemistry 2 - Quantum Mechanics	15	Spring	5	CH560
CHEM5610	Organic Chemistry 2 - Molecular Synthesis	15	Autumn	5	CH561
CHEM5620	Inorganic Chemistry 2 - Organometallics and Main Group	15	Autumn	5	CH562
CHEM5700	Materials Chemistry 1 - Structure and Properties	15	Spring	5	CH570
CHEM5710	Biochemistry - Biomolecules and Enzymes	15	Spring	5	CH571
CHEM5720	Analytical Chemistry 1 - Methods and Validation	15	Autumn	5	CH572
CHEM5910	Experimental Chemistry 3	15	Spring	5	CH591
CHEM5920	Experimental Chemistry 2	15	Autumn	5	CH592

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
CHEM5001	Chemistry and Forensic Science Academic Advising and Skills Development II	1 Non-Contributory	Yearlong	5	PS504

<b>CHEMISTRY WITH A YEAR ABROAD</b>	<b>UCHE0001A1BS-F</b>
CHEMISTRY-A:BSC	

Single Honours

**STAGE A - 120 credits**

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
PSCI5930*	Chemistry and Forensic Science Year Abroad	120	Year Long	5	PS593

\*Failure in this module may not be compensated.

**CHEMISTRY WITH A PROFESSIONAL PLACEMENT**

UCHE0001P2BS-F

CHEMISTRY-S:BSC

Single Honours

**STAGE S - 120 credits****You must take the following compulsory module (120 credits):**

<b>Compulsory module:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OFFICE USE ONLY</b>
PSCI5910*	Industrial Placements Experience	90	Year Long	5	<i>PS591</i>
PSCI5920**	Industrial Placement Assessment	30	Year Long	5	<i>PS592</i>

\* Module cannot be compensated or condoned

\*\* Module may be trailed to next stage 3

**CHEMISTRY**  
 CHEMISTRY:BSC  
**CHEMISTRY WITH A PROFESSIONAL PLACEMENT**  
 CHEMISTRY-S:BSC  
**CHEMISTRY WITH A YEAR ABROAD**  
 CHEMISTRY-A:BSC

**UCHE0001X1BS-F**

**UCHE0001P2BS-F**

**UCHE0001A1BS-F**

Single Honours

**STAGE 3 - 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>OFFICE USE ONLY</b>
<a href="#">CHEM6040</a>	Analytical Chemistry	15	Spring	6	<i>CH604</i>
<a href="#">CHEM6200*</a>	Chemistry Research Project	30	Autumn & Spring	6	<i>CH620</i>
<a href="#">CHEM6220</a>	Topics in Inorganic Synthetic Chemistry	15	Autumn & Spring	6	<i>CH622</i>
<a href="#">CHEM6230</a>	Main Group and Organometallic Chemistry	15	Autumn & Spring	6	<i>CH623</i>
<a href="#">CHEM6240</a>	Transformations and Chirality in Organic Chemistry	15	Autumn	6	<i>CH624</i>
<a href="#">PSCI6040</a>	Topics in Functional Materials	15	Spring	6	<i>PS604</i>

\*Failure in this module may not be compensated.

**PLUS 15 credits from the following optional modules:**

<b>Optional modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OFFICE USE ONLY</b>
<a href="#">PSCI6010</a>	Fires and Explosions	15	Spring	6	<i>PS601</i>
<a href="#">PSCI6370</a>	DNA Analysis & Interpretation	15	Spring	6	<i>PS637</i>

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

<b>Compulsory modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OFFICE USE ONLY</b>
<a href="#">CHEM6001</a>	Chemistry and Forensic Science Academic Advising and Skills Development III	1 Non-Contributory	Yearlong	6	<i>PS605</i>

Single Honours

**STAGE 3 - 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>OFFICE USE ONLY</b>
CHEM6040	Analytical Chemistry	15	Spring	6	CH604
CHEM6220	Topics in Inorganic Synthetic Chemistry	15	Autumn & Spring	6	CH622
CHEM6230	Main Group and Organometallic Chemistry	15	Autumn & Spring	6	CH623
CHEM6240	Transformations and Chirality in Organic Chemistry	15	Autumn	6	CH624
PSCI6040	Topics in Functional Materials	15	Spring	6	PS604
PSCI7200 *	Advanced Project Laboratory	30	Autumn & Spring	7	PS720

\*Failure in this module may not be compensated.

**PLUS 15 credits from the following optional modules:**

<b>Optional modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OFFICE USE ONLY</b>
PSCI6010	Fires and Explosions	15	Spring	6	PS601
PSCI6370	DNA Analysis & Interpretation	15	Spring	6	PS637

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

<b>Compulsory modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OFFICE USE ONLY</b>
CHEM6001	Chemistry and Forensic Science Academic Advising and Skills Development III	1 Non-Contributory	Yearlong	6	PS605

Single Honours

**STAGE 4 - 120 credits**

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

<b>Compulsory modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OFFICE USE ONLY</b>
<a href="#">CHEM7400*</a>	MChem Research Project	75	Autumn & Spring	7	<i>CH740</i>
<a href="#">CHEM7410</a>	Computational Chemistry	15	Spring	7	<i>CH741</i>
<a href="#">CHEM7420</a>	Advanced Concepts in Physical and Inorganic Chemistry	15	Autumn & Spring	7	<i>CH742</i>
<a href="#">CHEM7430</a>	Modern Molecular Synthesis	15	Autumn	7	<i>CH743</i>

\* Failure in this module may not be compensated.

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

<b>Compulsory modules:</b>	<b>MODULE TITLE</b>	<b>CREDIT AMOUNT</b>	<b>TERM TAUGHT</b>	<b>CREDIT LEVEL</b>	<b>OFFICE USE ONLY</b>
<a href="#">CHEM7001</a>	Chemistry and Forensic Science Academic Advising and Skills Development IV	1 Non-Contributory	Yearlong	7	<i>PS703</i>

**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 (4 YEAR)**

FORENSIC:MSCI

UFSC0001X1MS-F

Single Honours

**STAGE 2 - 120 credits**

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
CHEM5710	Biochemistry - Biomolecules and Enzymes	15	Spring	5	CH571
CHEM5720	Analytical Chemistry 1 - Methods and Validation	15	Autumn	5	CH572
FSCI5010	Fundamental Forensic Techniques	15	Autumn	5	FS501
FSCI5020	Forensic Archaeology	15	Spring	5	FS502
FSCI5030	Applied Forensic Practice	15	Autumn	5	FS503
FSCI5040	Practice Skills for Forensic Science 2	15	Spring	5	FS504
FSCI5110	Digital Forensics	15	Autumn	5	FS511
FSCI5560	Forensic Ballistics	15	Spring	5	FS556

PLUS the following extra-curricular compulsory module:

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
CHEM5001	Chemistry and Forensic Science Academic Advising and Skills Development II	1 Non-Contributory	Yearlong	5	PS504

**FORENSIC SCIENCE WITH A YEAR ABROAD**

FORENSIC-A:BSC

UFSC0001A1BS-F

Single Honours

**STAGE A - 120 credits**

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
PSCI5930*	Chemistry and Forensic Science Year Abroad	120	Year Long	5	PS593

\* Failure in this module may not be compensated.

**FORENSIC SCIENCE WITH A PROFESSIONAL PLACEMENT**  
FORENSIC-S:BSC

UFSC0001P2BS-F

Single Honours

**STAGE S - 120 credits**

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

Compulsory module:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
PSCI5910*	Industrial Placements Experience	90	Year Long	5	PS591
PSCI5920**	Industrial Placement Assessment	30	Year Long	5	PS592

\* Module cannot be compensated or condoned

\*\* Module may be trailed to next stage 3

**FORENSIC SCIENCE**

UFSC0001X1BS-F

FORENSIC:BSC

**FORENSIC SCIENCE WITH A YEAR ABROAD**

UFSC0001A1BS-F

FORENSIC-A:BSC

**FORENSIC SCIENCE WITH A PROFESSIONAL PLACEMENT**

UFSC0001P2BS-F

FORENSIC-S:BSC

Single Honours

**STAGE 3 - 120 credits**

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
CHEM6040	Analytical Chemistry	15	Spring	6	CH604
LAWS5730	Law of Evidence for Forensic Scientists	15	Autumn	6	LW573
PSCI6010	Fires and Explosions	15	Spring	6	PS601
PSCI6020	Forensic Expert Witness Skills	15	Autumn	6	PS602
PSCI6200*	Forensic Science Project	30	Autumn & Spring	6	PS620
PSCI6370	DNA Analysis & Interpretation	15	Spring	6	PS637
PSCI7120	Advanced Topics in Forensic Science	15	Autumn & Spring	7	PS712

\* 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	OFFICE USE ONLY
CHEM6001	Chemistry and Forensic Science Academic Advising and Skills Development III	1 Non-Contributory	Yearlong	6	PS605



**FORENSIC SCIENCE (4 YEAR)**  
FORENSIC:MSCI

**UFSC0001X1MS-F**

Single Honours

**STAGE 3 - 120 credits**

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
CHEM6040	Analytical Chemistry	15	Spring	6	CH604
LAWS5730	Law of Evidence for Forensic Scientists	15	Autumn	6	LW573
PSCI6010	Fires and Explosions	15	Spring	6	PS601
PSCI6020	Forensic Expert Witness Skills	15	Autumn	6	PS602
PSCI6370	DNA Analysis & Interpretation	15	Spring	6	PS637
PSCI7120	Advanced Topics in Forensic Science	15	Autumn & Spring	7	PS712
PSCI7200*	Advanced Project Laboratory	30	Autumn & Spring	7	PS720

\* 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	OFFICE USE ONLY
CHEM6001	Chemistry and Forensic Science Academic Advising and Skills Development III	1 Non-Contributory	Yearlong	6	PS605

**FORENSIC SCIENCE (4 YEAR)**  
FORENSIC:MSCI

**UFSC0001X1MS-F**

Single Honours

**STAGE 4 - 120 credits**

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

Compulsory modules:	MODULE TITLE	CREDIT AMOUNT	TERM TAUGHT	CREDIT LEVEL	OFFICE USE ONLY
PSCI7000	Physical Science Research Investigation	15	Autumn & Spring	7	PS700
PSCI7130	Substances of Abuse	15	Autumn & Spring	7	PS713
PSCI7170	Modern Approaches to Incident Management	30	Autumn & Spring	7	PS717
PSCI7400*	Forensic Science Research Project MSCI	60	Autumn & Spring	7	PS740

\* 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	OFFICE USE ONLY
CHEM7001	Chemistry and Forensic Science Academic Advising and Skills Development IV	1 Non-Contributory	Yearlong	7	PS703