

**KEY PROGRAMME INFORMATION** 

Originating institution(s) Bournemouth University	Faculty responsible for the programme Faculty of Science and Technology				
Final award(s), title(s) and credits BSc (Hons) Forensic Science (60 ECTS) Level 4 / 120 (60 ECTS) Level 5 / 120 (60 ECTS) Level 6 credits					
Intermediate award(s), title(s) and credits Dip HE Forensic Science – Requires 120 (60 ECTS) Level 5 and 120 (60 ECTS) Level 4 credits Cert HE Forensic Science - Requires 120 (60 ECTS) credits at Level 4					
UCAS Programme Code(s) (where applicable and if known) F401	HECoS (Higher Education Classification of Subjects) Code and balanced or major/minor load. F410				
External reference points UK Quality Code for Higher Education; Part A: Setting and maintaining academic standards; Chapter A1: UK and European reference points for academic standards (October 2013); Subject benchmark – Forensic Science					
Professional, Statutory and Regulatory Body (PSR	B) links				
Places of delivery Talbot Campus, Bournemouth University					
<b>Mode(s) of delivery</b> Full-time Full-Time Sandwich Part-time Part-time Sandwich	Language of delivery English				
<b>Typical duration</b> Full-time – 3 years (1 year for each level) Part-time – 6 years (2 years for each level)					
Full-time with Sandwich Placement – 4 years (1 year for each level) Part-time with Sandwich Placement – 8 years (2 years for each level)					
Date of first intake September 2023	Expected start dates September				
Maximum student numbers n/a	Placements Optional 30 week placement				
Partner(s) n/a	Partnership model n/a				

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#### Version number

V2.4-0925

Approval, review, or modification reference numbers

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# PROGRAMME STRUCTURE

Programme Award and Title: BSc (Hons) Forensic Science

#### Year 1/Level 4

Students are required to complete all 6 core units

Unit Name	Core/ Option	No. of Credits	Assessment Element Weightings				Expected Contact hours	Unit Version No.	HECoS Code (plus balanced or
			Exam 1	Exam 2	Cwk 1	Cwk 2	per unit		load)
Cell Biology	Core	20	30		70		40	2.0	100822
Chemistry	Core	20	50	50			40	2.0	100413
Exploring and Understanding Science	Core	20	30		70		20	1.0	100388
Human Anatomy and Physiology	Core	20	50	50			40	1.3	100264
Introduction to Forensic Investigation	Core	20	50		50		40	2.0	100388
Introduction to Forensic Psychology	Core	20	50	50			40	1.1	100497
Progression requirements: Requires 120 credits at Level 4 Exit gualification: Cert HE Forensic Science - Requires 120 credits at Level 4									

Unit Name	Core/ Option	No. of Credits	Assessment Element Weightings				Expected Contact hours per unit	Unit Version No.	HECoS Code (plus, balanced or major/ minor load)
			Exam 1	Exam 2	Cwk 1	Cwk 2			
Advanced Crime Scene	Option	20	50		50		40	2.0	101222
Crime Scene	Core	20	50		50		40	2.0	101222
Biochemistry	Core	20	50	50			40	2.0	100344
Forensic Law and Practice	Core	20	50		50		40	2.0	100485 / 101222
Forensic Science	Core	20	50		50		30	2.0	100388
Geospatial Science	Option	20			50	50	40	1.0	100369
Introduction to Toxicology	Core	20	50	50			40	2.0	100277
Advanced Cell Biology	Option	20			50	50	40	2.0	100822
Forensic Biology	Option	20			50	50	40	1.1	100386

Exit qualification: Dip HE Forensic Science – Requires 120 Level 5 credits and 120 Level 4 credits

Compulsory/Optional placement year in industry/business: Optional 30 week placement.

Progression requirements: Satisfactory completion of a minimum of 30 weeks of work in industry/business

#### Year 3/Level 6

Students are required to complete 4 core units and choose 2 optional units. Choice of option units may be constrained by the semester within which units are delivered

Unit Name	Core/ Option	No. of Credits	Assess Weight	sment E ings	lement	Expected Contact hours per unit	Unit Version No.	HECoS Code (plus balanced or major/ minor load)
			Exam 1	Cwk 1	Cwk 2			
Advanced Forensic Science	Core	20	30	70		40	2.1	100388
Professional Laboratory Practice	Core	20		50	50	40	1.2	100346 / 100410
Forensic Research Project	Core	20		40	60	12	1.1	100388
Forensic Toxicology	Core	20	50	50		40	2.0	100277
Advanced Forensic Biology	Option	20		50	50	40	1.1	
Environmental Forensics	Option	20		50	50	40	2.1	100388
Forensic Practice	Option	20	50	50		40	2.0	100486
Science of Human Remains	Option	20	50	50		40	1.0	101218

Exit qualification: BSc (Hons) Forensic Science

**Sandwich UG award:** Requires 120 Level 6 credits, 120 Level 5 credits and 120 Level 4 credits and successful completion of a placement year

Full-time UG award: Requires 120 Level 6 credits, 120 Level 5 credits and 120 Level 4 credits

# AIMS OF THE DOCUMENT

The aims of this document are to:

- define the structure of the programme;
- specify the programme award titles;
- identify programme and level learning outcomes;
- articulate the regulations governing the awards defined within the document.

### AIMS OF THE PROGRAMME

This program provides opportunities for students to develop and demonstrate knowledge, understanding and skills that will enable them to work in areas, where forensic thinking and practical skills are applied in settings such as crime scenes and natural / environmental disasters.

The primary aim of this programme is the development of graduates who:

- Have a critical understanding of the scientific , technical and legal basis of forensic and scene science
- Have the necessary scientific, regulatory, and theoretical knowledge to develop careers in a forensic or investigative organisation
- Can evaluate the role of forensic science within a legal context and within UK and international humanitarian law
- Recognise the moral and ethical dimensions of their actions and the need for professional codes of conduct
- Have the skills and knowledge necessary for postgraduate study
- Can develop excellent communication skills

The degree also aims to provide students with a substantial range of transferable skills in scientific laboratory skills, data analysis report writing, project management and computing as a basis for professional activity and development which may be applicable in other career areas.

### ALIGNMENT WITH THE UNIVERSITY'S STRATEGIC PLAN

BU identified a number of strategic investment areas as part of its 2025 strategic plan, with Medical Sciences forming one of these key areas, in recognition of the growth of the subject area. The forensic sciences are included as part of that SIA.

This programme incorporates the Fusion learning principles by:

- Embedding Fusion by ensuring that teaching is informed by the latest research and linked to practice/industry
- Personalising learning by use of optional units and choice in assessment
- Using problem-based/enquiry-based/action learning wherever possible
- Prioritising multi and inter-disciplinarity learning

- Enables students to take an active role in degree design via a range of optional and shared units, allowing peer-learning
- Meeting Professional, Statutory and Regulatory Body (PSRB) accreditation requirements

## LEARNING HOURS AND ASSESSMENT

Bournemouth University taught programmes are composed of units of study, which are assigned a credit value indicating the amount of learning undertaken. The minimum credit value of a unit is normally 20 credits, above which credit values normally increase at 20-point intervals. 20 credits is the equivalent of 200 study hours required of the student, including lectures, seminars, assessment and independent study. 20 University credits are equivalent to 10 European Credit Transfer System (ECTS) credits.

The assessment workload for a unit should consider the total time devoted to study, including the assessment workload (i.e., formative and summative assessment) and the taught elements and independent study workload (i.e. lectures, seminars, preparatory work, practical activities, reading, critical reflection, practice (if relevant)).

Assessment per 20 credit unit should normally consist of 3,000 words or equivalent. Dissertations and Level 6 and 7 Final Projects are distinct from other assessment types. The word count for these assignments is 5,000 words per 20 credits, recognising that undertaking an in-depth piece of original research as the capstone to a degree is pedagogically sound.

### STAFF DELIVERING THE PROGRAMME

Students will usually be taught by a combination of senior academic staff with others who have relevant expertise including – where appropriate according to the content of the unit – academic staff, qualified professional practitioners, demonstrators/technicians and research students.

### INTENDED LEARNING OUTCOMES – AND HOW THE PROGRAMME ENABLES STUDENTS TO ACHIEVE AND DEMONSTRATE THE INTENDED LEARNING OUTCOMES PROGRAMME AND LEVEL 6 INTENDED PROGRAMME OUTCOMES

A: Subject knowledge and understanding This programme/level provides opportunities for students to develop and demonstrate an	The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the programme/level learning outcomes:
A1. Understanding of relevant theories, concepts and principals relevant to forensic, crime and environmental scene science	Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):
A2. Ability to place scientific knowledge and understanding of forensic investigation techniques within UK and International regulatory frameworks	<ul> <li>lectures (A1 – A6);</li> <li>seminars (A1 – A6);</li> <li>directed reading (A1 – A6);</li> <li>use of the VLE (A1 – A6);</li> <li>independent research (for research project) (A1 – A6).</li> </ul>

A3. Understanding of the multidisciplinary nature of the forensic science and the need to apply knowledge from a range of subject areas	Assessment strategies and methods (referring to numbered Intended Learning Outcomes):		
A4. Ability to critically analyse published work in the areas of forensic science, scene investigation and	<ul> <li>examinations (A1 – A3);</li> </ul>		
understand the need to apply knowledge from a range of subject areas	<ul> <li>coursework (A2 – A4);</li> <li>literature review (A1 – A6).</li> </ul>		
A5. Recognition of the moral and ethical dimensions of their actions and the need for professional codes of conduct			
A6. Knowledge and understanding of the scientific and management techniques relevant to a range of forensic and disaster investigation			
<b>B: Intellectual skills</b> This programme/level provides opportunities for students to:	The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the programme/level outcomes:		
B1.Critically evaluate and apply scientific and investigative knowledge and skills in the development and implementation of practical solutions for forensic science	Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes): • <i>lectures (B1 – B5);</i>		
B2. Analyse and synthesise information relevant to the programme	<ul> <li>practical laboratory training (B1, B4, B5);</li> <li>seminars (B1 – B5);</li> </ul>		
B3. Define problems and devise and evaluate possible solutions, and solve both routine and unfamiliar problems	<ul> <li>directed reading (B1 – B5);</li> <li>use of the VLE (B1 – B5);</li> <li>independent research (for research project) (B1 - B5).</li> </ul>		
B4. Plan, execute and report on a project involving original research	Assessment strategies and methods (referring to numbered Intended Learning Outcomes):		
B5. Integrate evidence collected from a range of sources to support findings and hypotheses	<ul> <li>examinations (B1 – B5);</li> <li>coursework (B1 – B5);</li> <li>independent research (for research project) (B1 - B5).</li> <li>practical laboratory assessments (B1 – B5).</li> </ul>		
C: Practical skills This programme and level provides opportunities for students to:	The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the programme/level learning outcomes:		

scene methods	Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):
<ul><li>C2. Observe, accurately record and report laboratory and scene /fieldwork activity</li><li>C3. Use spatial technologies in addressing problems efficiently</li><li>C4. Prepare technical reports and presentations</li></ul>	<ul> <li>lectures (C1 – C8);</li> <li>coursework essays (C1 – C8);</li> <li>independent research for research project (C1, C2, C6 – C8);</li> <li>group exercises (C2, C4 – C8).</li> <li>practical laboratory and scene training (C1, C2, C6, C7)</li> </ul>
<ul> <li>C5. Make effective use of the relevant academic and scientific literature and other sources of information</li> <li>C6. Present research findings in a range of effective and appropriate formats</li> <li>C7. Make effective use of IT and software packages relevant to the programme</li> <li>C8. Critically analyse and synthesise research data from a wide range of sources and to draw appropriate conclusions</li> </ul>	<ul> <li>Assessment strategies and methods (referring to numbered Intended Learning Outcomes):</li> <li>examinations (C1, C4);</li> <li>coursework (C1, C2, C3, C5, C8);</li> <li>literature review for research project (C5, C6, C8).</li> </ul>
<b>D: Transferable skills</b> This programme/level provides opportunities for students to:	The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the programme/level learning outcomes:

# LEVEL 5/DipHE INTENDED LEVEL OUTCOMES

A: Knowledge and understanding This level provides opportunities for students to develop and demonstrate:	The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the level learning outcomes:		
A1. An appreciation of the interdisciplinary and multidisciplinary nature of forensic science	Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes): • <i>lectures (A1 – A6);</i>		
A2. Knowledge of the criminal legal system and human rights law, and how these regulate forensic practice and the expert witness	<ul> <li>seminars (A1 – A6); • directed reading (A1 – A6);</li> <li>use of the VLE (A1 – A6).</li> </ul>		
A3. A knowledge of advanced crime scene and investigation skills	Assessment strategies and methods (referring to numbered Intended Learning Outcomes):		
A4. Knowledge of the range of analytical techniques employed in forensic science and more specialist areas of scientific application (e.g., forensic chromatography, spectrophotometry, and other specialised methods	<ul> <li>examinations (A1 – A6);</li> <li>coursework (A1 – A6).</li> </ul>		
A5. An appreciation of the moral and ethical issues that surround data analysis in forensic science			
A6. A knowledge of research methods relevant to forensic and crime scene science			
B: Intellectual skills	The following learning and teaching and		
This level provides opportunities for students to:	assessment strategies and methods enable students to achieve and to demonstrate the level learning outcomes:		
B1. Marshal and critically appraise other people's arguments	Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):		
B2. Generate and test hypotheses based on scientific data			
B3. Produce logical and structured arguments supported by relevant evidence	<ul> <li>rectures (BT – BD);</li> <li>practical laboratory training (B2,B4)</li> <li>seminars (B1 – B5);</li> <li>directed reading (B1 – B5);</li> </ul>		
B4. Exercise judgement in using appropriate methods of data analysis and statistical enquiry	• use of the VLE (B1 – B5).		

<ul><li>B5. Evaluate the current regulatory framework</li><li>B6. Evaluate the applications / limitations of the various investigative methods applied to a forensic context</li></ul>	<ul> <li>Assessment strategies and methods (referring to numbered Intended Learning Outcomes):</li> <li>examinations (B1- B4);</li> <li>coursework (B1-B5).</li> </ul>
<b>C: Practical skills</b> This level provides opportunities for students to:	The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the level learning outcomes:
C1. Appropriately and safely use laboratory equipment with a view to the presentation of results within the court of law	<ul> <li>Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):</li> <li><i>lectures (C1 – C4);</i></li> <li><i>seminars (C1 – C5);</i></li> </ul>
C2. Observe and accurately record activity within the laboratory	<ul> <li>practical laboratory and scene training (C1,C2,C3).</li> </ul>
<ul> <li>C3. Discover and recognise the various types and value of forensic evidence</li> <li>C4. Select and apply appropriate statistical techniques with a view to data presentation within a court of law</li> <li>C5. Prepare scientific reports and presentations</li> </ul>	<ul> <li>Assessment strategies and methods (referring to numbered Intended Learning Outcomes):</li> <li>examinations (C3);</li> <li>coursework (C1 – C5).</li> </ul>
<b>D: Transferable skills</b> This level provides opportunities for students to:	The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the level learning outcomes:
D1. Be reflective learners by analysing their strengths and weaknesses	Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):
D2. Communicate effectively both in written and oral form D3. Work effectively in teams	<ul> <li>lectures (D1,D2,D4);</li> <li>seminars (D1 – D4);</li> <li>use of the VLE (D1 – D4);</li> </ul>
D4. Demonstrate problem-solving skills	<ul> <li>directed reading (D1- D4);</li> <li>laboratory and scene exercises (D1- D4).</li> </ul>

Assessment strategies and methods (referring to numbered Intended Learning Outcomes):
<ul> <li>examinations (D2,D4);</li> <li>coursework (D1-D4).</li> </ul>

# LEVEL 4/Cert HE INTENDED LEVEL OUTCOMES

A: Knowledge and understanding This level provides opportunities for students to develop and demonstrate:	The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the level learning outcomes:
<ul><li>A1. Awareness of some fundamental themes in the development and practice of forensic science</li><li>A2. An appreciation of the nature and sources of UK and EU law and the regulation of forensic practice</li></ul>	Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes): • lectures $(A1 - A6)$ • seminars $(A1 - A6)$ • directed reading $(A1 - A6)$ • use of the VLE $(A1 - A6)$ .
<ul> <li>A3. An understanding of the basic principles underlying forensic science including chemistry, molecular biology and human psychology and physiology</li> <li>A4. An awareness of the nature of forensic evidence and its collection from a scene under investigation</li> <li>A5. An appreciation of the moral and ethical dimensions of forensic practice</li> <li>A6. An understanding of crime scene management and investigative techniques</li> </ul>	<ul> <li>Assessment strategies and methods (referring to numbered Intended Learning Outcomes):</li> <li>examinations (A1 – A3);</li> <li>coursework (A1 – A4).</li> </ul>
<b>B: Intellectual skills</b> This level provides opportunities for students to:	The following learning and teaching and assessment strategies and methods enable students to achieve and to demonstrate the level learning outcomes:

B1. Analyse numerical data and identify appropriate statistical tests	Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):
B2. Identify key areas of the law as they affect forensic issues	<ul> <li>lectures (B1 – B5);</li> <li>practical laboratory training</li> </ul>
B3. Identify and utilise appropriate information sources	(B1,B4,B5); • seminars (B1 – B5); • directed reading (B1 – B5):
B4. Demonstrate an awareness of the scientific method	• use of the VLE (B1 – B5).
B5. Recognise situations in which science can be applied to forensic situations	Assessment strategies and methods (referring to numbered Intended Learning Outcomes):
	<ul> <li>examinations (B1- B5);</li> <li>coursework (B1,B2, B4).</li> </ul>
C: Practical skills	The following learning and teaching and
This level provides opportunities for students to:	enable students to achieve and to demonstrate the level learning outcomes:
C1. Observe, record accurately and report laboratory and crime scene activity	Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):
C2. Use laboratory and crime scene equipment to generate data and gather forensic evidence	<ul> <li>lectures (C1 – C4);</li> <li>seminars (C1 – C4);</li> </ul>
C3. Recognise the importance and value of certain materials which constitute forensic evidence	<ul> <li>practical laboratory and scene training (C2,C3).</li> </ul>
C4. Write appropriately structured reports	Assessment strategies and methods (referring to numbered Intended Learning Outcomes):
	<ul> <li>examinations (C3);</li> <li>coursework (C1 - C4).</li> </ul>
D: Transferable skills	The following learning and teaching and assessment strategies and methods
This level provides opportunities for students to:	enable students to achieve and to demonstrate the level learning outcomes:

D1. Communicate effectively by oral, written, and visual means	Learning and teaching strategies and methods (referring to numbered Intended Learning Outcomes):
D2. Use IT including the Web, spread sheets and wordprocessing	<ul> <li>lectures (D1,D3);</li> <li>seminars (D1 – D6);</li> </ul>
D3. Apply a range of basic statistical tests to experimental and crime scene data	<ul> <li>Use of the VLE (D1 – D6);</li> <li>directed reading (D1 – D6);</li> <li>Laboratory and scene exercises</li> <li>(D1 D3 D4 D5)</li> </ul>
D4. Work in collaboration with others, including staff and	
students	Assessment strategies and methods (referring to numbered Intended
D5. Demonstrate problem-solving skills and the application of knowledge across discipline areas	Learning Outcomes):
	<ul> <li>coursework (D1 –</li> </ul>
D6. Be independent and reflective learners	D3,D5,D6); • examinations (D1,D3,D5,D6).

# **Programme Skills Matrix**

Units											Prog	ramm	e Inten	ded L	earnin	g Outco	omes									
		A 1	A 2	A 3	A 4	A 5	A 6	В 1	В 2	В 3	В 4	В 5	C 1	C 2	C 3	C 4	C 5	C 6	C 7	C 8	D 1	D 2	D 3	D 4	D 5	D 6
	Advanced Forensic Science	х	х	х	х	х	х	х	х	х		х	х	х		х	х	х	х	х	х	х	х	х	х	х
	Professional Laboratory Practice	х	х	х	х		х	х	х	х		х	х	х		х	х	х	х	х	х	х		х	х	х
L F	Forensic Research Project	х	х	х	х				х	х	х	х				х	х	х	х	х	х	х	х		х	х
V	Forensic Toxicology	х	х	х	х		х	х	х	х		х	х	х			х	х	х	х	х	х	х	х	х	х
Е L	Environmental Forensics	х	х	х	х			х	х	х		х			х		х	х	х	х	х	х		х	х	х
6	Forensic Practice	х	х	х	х			х	х	х		х					х	х	х	х	х	х		х	х	х
	Advanced Forensic Biology	х	х	х	х			х	х	х	х		х	х		х	х	х	х	х	х	х	х		х	х
	The Science of Human Remains	х	х	х	х			х	х	х		х	х	х			х	х	х	х	х	х	х	х	х	х
	Advanced Crime Scene	х		х	х						х	х	х	х	х		х				х	х	х	х		
	Crime Scene	х		х	х		х				х	х	х	х	х						х	х	х	х		
L	Biochemistry				х								х	х							х					
E V	Forensic Law and Practice	х	х			х		х		х		х									х	х				
E L	Forensic Science	х	х	х	х		х		х	х	х	х	х	х		х	х				х	х	х	х		
5	Geospatial Science				х		х				х										х	х		х		
3	Introduction to Toxicology			х	х		х	х													х	х				
	Advanced Cell Biology				х				х				х													
	Forensic Biology	х			х	х	х		х		х		х	х	x						х	х	х	х		

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	Cell Biology			х						х	х	х		х	х			х	х		х	х	х
L E	Chemistry			х				х		х	х	х	х	х	х			х	х	х	х	х	х
V F	Exploring & Understanding Science	х						х		х	х	х			х			х	х	х	х	х	х
L	Human Anatomy and Physiology			х						х								х	х		х	х	х
4	Introduction to Forensic Investigation	х	х		х	х	х		х	х	х	х	х	х				х	х		х	х	х
	Introduction to Forensic Psychology							х		х	х	х		х				х	х		х	х	х

### ADMISSION REGULATIONS

Please refer to the BU website for further information regarding admission regulations for this programme. <u>https://www.bournemouth.ac.uk/</u>

### PROGRESSION ROUTES

Recognition arrangements provide formally approved entry or progression routes through which students are eligible to apply for a place on a programme leading to a BU award. Recognition does not guarantee entry onto the BU receiving programme only eligibility to apply. In some cases, additional entry criteria such as a Merit classification from the feeder programme may also apply. Please see the <u>Recognition Register</u> for a full list of approved Recognition arrangements and agreed entry criteria.

In order to take advantage of exciting new approaches to learning and teaching, as well as developments in industry, the current, approved Articulation/Recognition/Progression route(s) for this programme may be subject to change. Where this happens, students will be informed and supported by the Faculty as early as possible.

### ASSESSMENT REGULATIONS

The regulations for this programme are the University's Standard Undergraduate <u>Assessment</u> <u>Regulations</u>

# WORK BASED LEARNING (WBL) AND PLACEMENT ELEMENTS

The programme will include an optional 30-week placement year in the third year of study. Those students who successfully complete the one-year placement will be eligible for the award of full-time sandwich degree.

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