DIPLOMA GUIDE

Access to Higher Education

gateway qualifications

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Access to HE Diploma (Forensics and Criminology)

Access to HE
Apprenticeships
Digital
Employability & Enterprise
English & Maths
ESOL
Personal & Social Development
Professional Development
Vocational

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About this Access to HE Diploma guide

This Access to HE Diploma specification is intended for Tutors, Assessors, Internal Quality Assurers, Quality Managers and other staff within Gateway Qualifications Access to HE approved providers/or prospective providers.

It sets out what is required of the student in order to achieve the Access to HE Diploma. It also contains information specific to managing and delivering the Access to HE Diploma (s) including specific quality assurance requirements.

The guide should be read in conjunction with the Gateway Qualifications Access to HE Provider Handbook and other publications available on the website which contain more detailed guidance on assessment and verification practice.

In order to offer this Access to HE Diploma you must be a Gateway Qualifications recognised centre and approved to offer Access to HE Diplomas.

If your centre is not yet recognised, or diploma approved, please contact our Development Team to discuss

Telephone: 01206 911211
Email: enquiries@gatewayqualifications.org.uk
Website: https://www.gatewayqualifications.org.uk/advice-guidance/delivering-our-qualifications/become-recognised-centre/

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1. Diploma Information

1.1 Overview of the Access to Higher Education Diploma

The Access to Higher Education (HE) Diploma is a nationally recognised qualification with common requirements relating to the description of student achievement. The Diploma is:

- a level 3 qualification, regulated by the Quality Assurance Agency (QAA) for Higher Education
- a unitised qualification, based on units of assessment which are structured in accordance with the Access to HE unit specification
- a credit-based qualification, operated in accordance with the terms of the Access to HE credit specification
- a graded qualification, as determined by the Access to HE Grading Scheme

Details of the credit framework and requirements relating to the award of credit are provided within the Quality Assurance Agency Recognition Scheme for Access to Higher Education: The Access to Higher Education Diploma specification 2013.

Individual named Diplomas are identified by separate titles and are validated at by Gateway Qualifications as an Access Validating Agency (AVA) recognised by the Quality Assurance Agency for Higher Education (QAA). Each Diploma has its own approved set of units of assessment, governed by rules of combination, which are appropriate to the subject of the particular Diploma. The common grading requirements apply to all individual Diplomas.

1.2 About this Diploma

1.3 Purpose

The primary purpose of Access to HE Diplomas is to provide higher education progression opportunities for adults who, because of social, education or individual circumstances, may have achieved few, if any, prior qualifications.

1.4 Aims

The qualification aims to:

- reintroduce learners to education recognising prior skills and experience and the particular needs of those returning to learn
- offer learners a responsive, supportive return to learn experience at a level appropriate for entry to HE
- develop the appropriate skills such as study skills that are necessary to enable learners to succeed in their HE career
- address issues of widening participation and social inclusion
- raise student awareness of the opportunities that a return to study and lifelong learning can bring.

1.5 Objectives

The objective of the Diploma is to enable learners to:

- satisfy the general academic requirements for entry to Higher Education
- prepare learners for HE level study generally and in subject areas appropriate to an intended HE course destination
- demonstrate appropriate levels of competence in subject specific skills and knowledge
- demonstrate practical, transferable and academic skills
- develop their confidence and ability to cope with a return to education at an advanced level
- enhance personal and career opportunities
- develop as independent and lifelong learners.

1.6 Sector Subject Area

2.1 Science

1.7 Target groups

a) Adults who, because of social, educational or individual circumstances may have achieved few, if any, prior qualifications and wish to progress to HE.
b) Adults who have gone straight into industry (perhaps following apprenticeship routes) who wish to progress to HE.

1.8 Delivery methods

Delivery methods for the Access to HE Diploma (Environmental Studies) can include:

Face to face or blended learning.

Assessment Methods should include:

Essays, projects, presentations, self-evaluation, group discussions, case studies, short answer questions, worksheets, production and analysis of complex spreadsheets, data analysis, practical projects in a laboratory, tests

1.9 Achievement methodology

The Diploma will be awarded to learners who successfully achieve an approved combination of units through a Portfolio of Evidence that has been successfully verified and monitored through Gateway Qualifications' Quality Assurance process.

The qualification is therefore determined by successful achievement of all required unit assessments with no further requirement for additional/terminal assessment.

1.10 Geographical Coverage

This qualification has been approved by for delivery in England.

1.11 Progression Opportunities

Following successful completion of the Access to HE Diploma () learners may progress to the following:

BSc (H) Criminological Psychology
BSc (H) Psychology and Criminology
BSc (H) Police Studies with Criminal Psychology
BSc (H) Forensic Science
BSc (H) Forensic Science with Criminology
BSc (H) Forensic Science with Psychology

The qualification does not provide guaranteed entry to UK higher education.

1.12 Equality, Diversity and Inclusion

It is Gateway Qualifications' aim that there shall be equal opportunities and so meet the organisation's legal responsibilities to prevent discrimination.

In accordance it is the organisation's intention that there should be no discrimination on the grounds of a protected characteristic including age, disability, gender assignment, marriage and civil partnership, pregnancy and maternity, race, religion and belief, sex, sexual orientation. It is acknowledged that this is not an exhaustive list.

2. Student Entry Requirements

2.1 Age

The course is designed to meet the needs of adults who have been out of full time education for a significant period of time and who have not achieved some or any formal qualifications. This generally would apply to learners over the age of 19.

2.2 Prior Qualifications

There is no requirement for learners to have achieved prior qualifications or units prior to undertaking this qualification.

Providers may ask learners for GCSEs as a mark of ability at Level 2 as an appropriate entry requirement to a Level 3 course. This also establishes HEI destination qualifications for Nursing, teaching etc. where these are required as part of the HEI application.

2.3 Prior Skills/Knowledge/Understanding

There is no requirement for learners to have prior skills, knowledge or understanding. However, learners would be expected to be able to demonstrate the skills and ability to study at Level 3.

2.4 Access to qualifications for learners with disabilities or specific needs

Gateway Qualifications and recognised providers have a responsibility to ensure that the process of assessment is robust and fair and allows the learner to show what they know and can do without compromising the rigour of the assessment used to evidence the criteria.

Gateway Qualification has a duty to permit a reasonable adjustment where an assessment arrangement would disadvantage a student with a disability, medical condition or learning need.

The following adaptations are examples of what may be considered for the purposes of facilitating access, as long as they do not impact on any competence standards being tested:

- adapting assessment materials
- adaptation of the physical environment for access purposes
- adaptation to equipment
- assessment material in an enlarged format or Braille
- permitting readers, signers, scribe, prompter, practical assistant
- changing or adapting the assessment method
- extra time, e.g. assignment extensions
- transcript

- use of assistive software where the software does not influence the learners' ability to demonstrate the skills, knowledge or understanding eg use of spellchecker in an English assessment
- using assistive technology
- use of CCTV, coloured overlays, low vision aids
- use of a different assessment location
- use of ICT/responses using electronic devices.

It is important to note that not all of the adjustments (as above) will be reasonable, permissible or practical in particular situations. The learner may not need, nor be allowed the same adjustment for all assessments.

Learners should be fully involved in any decisions about adjustments/adaptations. This will ensure that individual needs can be met, whilst still bearing in mind the specified assessment criteria for a particular qualification.

A reasonable adjustment for a particular learner may be unique to that individual and may not be included in the list of available access arrangements specified above.

Details on how to make adjustments for learners is set out in the Reasonable Adjustment and Special Considerations Policy and Procedures.

2.5 Additional Requirements/Guidance

Learners must have a UK address (including BFO) to be registered on an Access to HE Diploma.

2.6 Recruiting Learners with Integrity

It is vital that providers recruit with integrity. Providers must ensure that learners have the correct information and advice on their selected qualification(s) and that the qualification(s) will meet their needs.

The recruitment process must include the provider undertaking the assessment of each potential student and making justifiable and professional judgements about the student's potential to successfully complete the assessment and achieve the qualification. Such an assessment must identify, where appropriate, the support that will be made available to the learner to facilitate access to the qualification.

3. Achieving the Access to HE Diploma

3.1 Qualification Specification

The generic requirements for the Access to HE Diploma are that learners must achieve a total of 60 credits of which 45 credits must be achieved at level 3 from graded units that are concerned with academic subject and the remaining 15 credits can be achieved at level 2 or level 3 from units which are ungraded. It is recommended you include no more than 6 ungraded 'academic subject content' credits. The ungraded credits can be mandatory or optional within the Diploma. The approved Rules of Combination for this qualification are detailed below.

Where there is a selection of optional units within the permitted rules of combination, the selection of units to be used to form the Diploma course must be made before the learners are registered. Learners must be registered with Gateway Qualifications within 12 weeks of the start of the course or before application to UCAS, whichever is soonest.

3.2 Rules of Combination

The structure sets out the units required to be achieved the Access to Diploma, comprising of:

- Graded Academic mandatory units – Level 3
- Graded Academic optional units - Level 3
- Graded Research units - Level 3
- Ungraded units – Level 2/3.

Learners must achieve a total of 60 credits and meet unit group requirements.

Learners must complete at total of 60 credits of which 45 credits must be achieved at level 3 from graded units which are concerned with academic subject content and the remaining 15 credits must be achieved at level 3 from units which are ungraded.

Mandatory Units: Graded Academic Subject Content

Learners must achieve 27 credits from this group.

Unit Code	Unit Title	Level	Credits	Content	Grade Descriptors	Suggested Assessment methods	Assessment Volume
QU018994	Careers within Forensic Science and Criminology	3	3	Academic	1, 7	Essay	1500 words
QU006146	Chemical Basics and Atomic Structure	3	3	Academic	2, 3, 7	Exam	2 hours – closed book
QU019008	Forensic Investigation Procedures	3	6	Academic	1, 2, 7	Forensic investigation, forensic report, individual presentation, supporting materials	1250 words, 15 minutes, 500 words
QU018992	Introduction to Criminology	3	6	Academic	1, 2, 4, 7	Short answer questions, case studies, report	300 words, 3 x 400 words, 1000 words
QU007422	Quantative Methods - Statistics	3	3	Academic	3, 4, 5, 7	Data analysis short answer Qs, create charts and graphs, Worksheets, Case study analysis of data, tree diagrams	Short answers Qs 750, Worksheets 1000, case study 750, tree diagrams 300
QU018310	Research: Practical Investigation Project	3	6	Academic	2, 3, 4, 6, 7	Risk assessment, project diary, project proposal, research review, structured report encompassing ethical considerations, evaluation	500 words, 750 words, 500 words, 750 words, 1500 words, 500 words
QU026190	Research Skills for Sociology or Criminology	3	6	Academic	1, 2, 3, 4, 7	Research diary Research proposal Report Evaluation	500 words 500 words 1500 words 250 words

Optional Graded Units:

Learners must achieve 18 credits from this group.

Unit Code	Unit Title	Level	Credits	Content	Grade Descriptors	Suggested Assessment methods	Assessment Volume
QU006070	Anatomy and Physiology	3	3	Academic	1, 2, 7	Exam	2 hours closed book
QU005844	Aspects of Social Psychology	3	3	Academic	2, 7	Case studies	2 x 750 words
QU006094	Biochemistry in the Human Body	3	6	Academic	2, 3, 7	Investigation, scientific report, individual presentation plus questions and supporting material	Investigation, 1500 words, 10 minutes plus 5 minutes, 500 words
QU019000	Cell Biology and Biochemistry	3	6	Academic	1, 2, 7	Practical investigation, report, exam	750 words, 2 hour closed book
QU006178	Circulation, Immunity and Homeostasis	3	3	Academic	2, 7	Exam	1.5 hours open book
QU019010	Criminal Investigation and the Criminal Justice System	3	3	Academic	1, 5, 7	Preparation notes for role plays x 2, 2 x role plays, peer evaluation, written questions	150 words x 2, role play x 2, 150 words x 2, 250 words
QU019002	Digestive Processes	3	3	Academic	1, 7	Short answer questions, individual presentation plus questions	750 words, 10 minutes plus 5 minutes
QU019012	Environmental Forensics	3	3	Academic	1, 3, 7	Investigation, forensic report	Investigation, 1000 words
QU019016	Forensic Photography	3	3	Academic	1, 3, 4, 5, 7	Plan, visual photographic record, evaluation	250 words, visual photographic record, 500 words

Unit Code	Unit Title	Level	Credits	Content	Grade Descriptors	Suggested Assessment methods	Assessment Volume
QU006307	Fundamental Concepts and Scientific Method in Biology	3	6	Academic	1, 2, 3, 4, 7	Practical investigations, scientific report including at least one graph, chart and table, worksheets	1250 word scientific report based on investigations, including at least one graph, chart and table, 750 words
QU019006	Fundamentals of Chemistry: Conducting Experiments	3	3	Academic	1, 2, 7	Experiments x 3, reports x 3	Experiments, 3 x 400 words
QU018998	Human Cardiac and Respiratory Systems	3	3	Academic	1, 2, 7	Worksheets	1500 words
QU018411	Introduction to Criminal Law	3	3	Academic	1, 2, 7	Exam	1.5 hour open book
QU006605	Introduction to the Sociology of Crime and Deviance	3	3	Academic	2, 4, 7	Literature Review	1500 words
QU019945	Interpersonal Violence	3	3	Academic	1, 4, 5, 7	Individual presentation plus questions, supporting materials, case study	10 minutes plus 5 minutes, 250 words, 500 words
QU019014	Practical Chemical Analysis	3	3	Academic	1, 2, 7	Investigation, scientific report	Practical investigation, 1000 words
QU006835	Practical Chemical Science for Health Studies	3	3	Academic	4, 7	Quantative and qualitative investigations, scientific report	Quantative and qualitative investigation, 750 words
QU014056	The Blood	3	3	Academic	1, 2, 7	Investigation, individual presentation plus questions, supporting materials	Investigation, 10 minutes plus 5 minutes, 500 words

Unit Code	Unit Title	Level	Credits	Content	Grade Descriptors	Suggested Assessment methods	Assessment Volume
QU019004	The Human Skeleton and Muscles	3	3	Academic	1, 7	Short answer questions, case studies x 2	500 words, 500 words x 2
QU006333	The Psychology of Offender Profiling	3	3	Academic	1, 2, 7	Essay	1500 words
QU018996	Understanding Genetics	3	6	Academic	1, 2, 4, 5, 7	Exam, practical investigation, report	1.5 hours open book, practical investigation and 500 word report

Mandatory Units: Ungraded

Learners must achieve 9 credits from this group.

Unit Code	Unit Title	Level	Credits	Content	Suggested Assessment methods	Assessment Volume
QU025276	Academic Writing Skills	3	3	Other	Notes from a range of sources, Essay Plan, Essay	300 words 200 words 1,000 words
QU025532	Preparation for Higher Education	3	3	Other	Analysis, UCAS Statement, Preparing for interview questions, Chart	1,500 words in total
QU011467	Spreadsheets	3	3	Other	Case Study Analysis, Spreadsheet and Report	500 words 1,000 words

Specify Group Name Optional Units: Ungraded

Learners must achieve 6 credits from this group.

Unit Code	Unit Title	Level	Credits	Content	Suggested Assessment methods	Assessment Volume
QU018346	Academic Reading Skills	3	3	Other	Exam	1.5 hour closed book
QU018304	Health and Safety in the Laboratory	2	3	Other	Short Answer Questions, Investigation, Report	500 words, practical investigation, 500 word report
QU010772	Practical Science Skills	3	3	Other	Investigation, Report, Reflection	Practical investigation 750 word report 250 word reflection
QU028487	Promoting Wellbeing and Building Resilience	3	3	Other	Report	1,500 words
QU018318	Study Skills	3	3	Other	Study Plan, Worksheets, Assignment Plan	200 words 250 words 500 words

3.3 Additional completion requirements

Learners will probably require a pass in maths and English at Level 2 / GCSE to progress onto a degree course. Delivery providers should make learners aware of HEI course entry requirements.

3.4 Recognition of Prior Learning

Recognition of prior learning is a process that considers if a learner can meet the specified assessment requirements through knowledge, understanding or skills that they already possess and that can contribute towards the attainment of a qualification for which they are undertaking.

For further information please refer Annex C, Access to HE Diploma Specification, https://www.accesstohe.ac.uk/AboutUs/Publications/Documents/Access-Diploma-Specification.pdf

4. Access to HE Units of Assessment

4.1 Unit specification

A common unit specification applies to all units with Access to HE Diplomas the unit specification follows a standard template covering the following elements:

- title
- level
- credit value
- unit code
- learning outcomes
- assessment criteria
- grade descriptors
- type of unit (academic subject content or not).

The units of assessment for this Access to HE Diploma are contained within this Access to HE Diploma Guide.

4.2 Academic subject content

A unit is classified as having academic subject content, if the unit's knowledge and skills are directly related to the subject of the name of the Access to HE Diploma. Units will not meet the academic subject content requirement if they are principally concerned with personal development, generic English or mathematics, or study skills.

4.3 Graded and ungraded units

Graded units – grading operates at unit level and only applies to units which have been approved by Gateway Qualifications within a named Access to HE Diploma. Student achievement for graded units is recorded as Pass, Merit or Distinction for each unit, as set out in the QAA Access to HE Grading Scheme, 2012. Graded units will also satisfy the criteria of academic subject content.

There is a common set of broad generic grade descriptors which are used as the basis for all grading judgements on all courses:

1 Understanding the subject
2 Application of knowledge
3 Application of skills
4 Use of knowledge
5 Communication and presentation
6 Autonomy / Independence
7 Quality.

The seven grade descriptors are not subject specific. They can, however, through careful selection and in appropriate combinations, be used on all courses, with all units and for all

assignments. The descriptors to be used with a particular unit are selected with reference to the main aspects of student performance that need to be taken into account when grading decisions are made for that unit. They are formally assigned to the unit when it is validated.

Each of the seven grade descriptors comprises two sets of components, one which describes characteristics or qualities typical of performance at merit, and a parallel set of components which describes typical performance in the same areas at distinction. (There are no components for pass, because a pass grade is gained when a student meets the learning outcomes, but does not achieve the standard required for merit.) Some of these components are more relevant to certain subjects than others and some particular terms are also more relevant for use with particular types of assessment than others. In order to ensure the grade descriptors are relevant for specific assignments, tutors identify the components of the descriptors being used that are most relevant for the particular assignment. The selected components of the descriptors (at merit and distinction) are then included in the assignment brief(s).

The grading scheme is not based on an assumed one-to-one relationship between the grade descriptors and learning outcomes (although it is possible that in some units, because of the way the learning outcomes have been structured, something close to a one-to-one relationship may emerge). In general, however, judgements about student work in relation to grading apply across the work for a unit, whether that unit is assessed through one, or more than one, assignment.

The full Grade Descriptors can be accessed by the following link, which also provides detailed information on grading:

http://www.accesstohe.ac.uk/AboutUs/Publications/Documents/Access-Grading-Scheme-Section-B.pdf

4.4 Revisions to Access to HE Units of Assessment

Gateway Qualifications reserves the right to review and amend units of assessment and will issue providers notification of the changes to the units of assessment. Gateway Qualifications undertakes regular unit reviews to ensure currency of units, providers are required to use updated versions where units are replaced.

5. Assessment and Quality Assurance

5.1 Provider Requirements

Providers must be approved by Gateway Qualifications as a centre and are required to ensure that:

- the main base is in the UK
- systems are in place to ensure that only learners with a UK address (including BFO) are registered for an Access to HE Diploma
- there are clear arrangements for the day-to-day operational management and coordination of Access to HE delivery.
- there are appropriate facilities and resources at each site, and for each mode of delivery
- staff have the professional competence and skills to teach and assess necessary to teach and assess the units available on the Diploma
- arrangements are in place to provide pre-course guidance to applicants and criteria for selection and admission to Access to HE Diplomas, and are consistent with QAA requirements with respect to admissions. https://www.accesstohe.ac.uk/AboutUs/Publications/Documents/Guidance-admission-of-learners-AHE-07.pdf.
- expertise and resources to provide information, advice and guidance on HE applications and progression opportunities.
- Systems for maintaining secure records of individual learners' registration and achievement
- internal moderation arrangements that meet Gateway Qualification requirements.
- arrangements for internal course monitoring and self-evaluation and feedback
- procedures and criteria for the recognition of prior learning that meet Gateway Qualifications requirements.
- quality assurance procedures relating to the delivery of provision, including transparent processes for handling appeals and complaints.

Providers should refer to the Gateway Qualifications' Access to HE Provider Handbook for further information on centre requirements.

5.2 Staffing Requirements

Providers are required to ensure that:

- staff have the professional competence and skills to teach and assess necessary to teach and assess the units available on the Diploma
- staff have expertise to provide information, advice and guidance on HE applications and progression opportunities.

5.3 Facilities and Resources

Computers, laboratory equipment

5.4 Assessment

Recommended assessment methods for each unit within a diploma are identified in section 3.2 Rules of Combination . To provide greater flexibility for Centres to develop an assessment strategy that meets the needs of their individual learners, Centres can select an alternative assessment method for the units(s) within the diploma using the equivalence guidance published on the website.

The guidance includes the expected assessment volume for different assessment methods and should enable Centres to choose alternatives whilst ensuring that the same rigor of assessment is maintained in comparison to any other three or six credit unit.

5.5 Quality Assurance Requirements

Gateway Qualifications applies a quality assurance model to the Access to HE Diploma of:

- internal assessment and internal verification by the provider
- moderation by Gateway Qualifications comprising of centre moderation and subject moderation.

These processes are set out within Quality Assurance section of the Gateway Qualifications' Access to HE Provider Handbook.

5.6 Additional Requirements/Guidance

There are no additional requirements that Learners must satisfy in order for assessment to be undertaken and the unit/qualification to be awarded.

6. Unit Details

Mandatory Units: Graded Academic Subject Content

Access to HE Diploma Unit

Unit Code:	QU018994		
Title:	Careers within Forensic Science and Criminology		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade descriptors:	• GD1–Understanding the subject • GD7- Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 3 learning outcomes.

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	**The learner can:**
1 Understand career opportunities within forensic science and criminology.	1.1 Explain career opportunities within forensic science and criminology.
2 Understand progression routes within forensic science and criminology.	2.1 Critically compare the skills, experience and qualifications required to access progression opportunities within forensic science and criminology. 2.2 Analyse the importance of personal skills and experience to progression opportunities within the sector.
3 Understand how technological advances within science may impact on career opportunities in the sector.	3.1 Analyse the impact of technology on career progression and opportunities within forensic science and criminology.

Access to HE Diploma Unit

Unit Code:	QU006146		
Title:	Chemical Basics and Atomic Structure		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade descriptors:	• GD2-Application of knowledge • GD3-Application of skills • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 5 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand different types of substance.	1.1 Use the terms 'element' and 'compound' correctly in context.
2 Understand the particulate nature of matter.	2.1 Use the terms 'atom', 'molecule' and 'ion' correctly in context.
3 Understand and demonstrate the process of chemical change.	3.1 Recognise that chemical changes have occurred from observations and equations. 3.2 Use balanced equations to illustrate chemical change.
4 Know the structure of the nuclear atom.	4.1 Name the three subatomic particles and state their mass and charge. 4.2 Use 'mass number' and 'atomic' number to describe the numbers of particles in an atom. 4.3 Recognise the existence of isotopes. 4.4 Define and use the term 'Relative Atomic Mass'.
5 Be able to derive the electron configuration of atoms.	5.1 Derive the electron configurations in terms of s, p, d orbitals of atoms with atomic numbers 1 to 36.

Access to HE Diploma Unit

Unit Code:	QU019008		
Title:	Forensic Investigation Procedures		
Unit Level:	Level 3	**Unit Credit:**	6
Grading type:	Graded		
Grade descriptors:	• GD1-Understanding the subject • GD2-Application of knowledge • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 3 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand procedures used to preserve, collect and record forensic evidence from a simulated crime scene.	1.1 Explain the procedures used to preserve, collect and record forensic evidence. 1.2 Justify the choice of procedures used to preserve, collect and record forensic evidence.
2 Know analytical techniques to examine forensic evidence collected from a simulated crime scene.	2.1 Explain the analytical techniques used to examine biological, chemical and physical forensic evidence. Physical evidence – evidence that has not come from a living or once living organism and does not contain chemicals. This could include: • ballistics – rifling, ballistic profiling, propellants, micro stamping, calibre wound patterns, trajectory • footwear – oblique lighting, casting, electrostatic lifting, gel lifting, visual analysis and comparison • tool marks – casting • documents – handwriting (cursive, printing and signatures), printed documents

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	**The learner can:**
	(typewriters, photocopiers, laser printers, ink jet printers), paper, ink • IT – mobile phones, computers, tablets and CCTV • fibre – identification and analysis – microscopy. 2.2 Perform appropriate analytical techniques to examine biological, chemical and physical forensic evidence.
3 Be able to draw conclusions and report on the results of the analysis of forensic evidence.	3.1 Produce a correctly structured forensic expert witness statement/report, showing clear scientific reasoning to draw valid conclusions.

Access to HE Diploma Unit

Unit Code:	QU018992		
Title:	Introduction to Criminology		
Unit Level:	Level 3	**Unit Credit:**	6
Grading type:	Graded		
Grade descriptors:	• GD1-Understanding the subject • GD2-Application of knowledge • GD4-Use of information • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 4 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand theories of criminality.	1.1 Explain biological theories of criminality. Genetic and psychological theories. 1.2 Explain individualistic theories of criminality. Learning and psychodynamic/psychological theories 1.3 Explain sociological theories of criminality. • Social structure theories • Social reaction theory • Interactionism • Realism 1.4 Analyse the development of criminological theories. Include the timeline, how theories are established and evolve.
2 Understand causes of criminality.	2.1 Analyse situations of criminality. Include: • Forms of crime • Individual criminal behaviour • Offending behaviour • Differentiation between offending and delinquent/anti-social behaviour • Potential and actual criminal

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	**The learner can:**
	2.2 Explain the likely cause of criminality. 2.3 Evaluate the suitability of criminological theories to explain causes of criminality.
3 Know traditional approaches used to respond to criminal activity.	3.1 Evaluate traditional approaches to responding to crime. This includes: • random patrol and response • stop and search • investigation and detection • intensive enforcement. 3.2 Analyse policing approaches used to solve a specific crime.
4 Understand the factors that affect victims, witnesses and vulnerable people and how this may impact on their need for support	4.1 Explain how crime impacts on victims, witnesses and the vulnerable. 4.2 Explain how technology can be used by criminals to target vulnerable people. 4.3 Explain why victims, witnesses and vulnerable people may be reluctant to report crimes committed against them. 4.4 Explain how to use legislation, guidelines of good practice and service standards to support and protect victims, witnesses and vulnerable people.

Access to HE Diploma Unit

Unit Code:	QU007442		
Title:	Quantative Methods – Statistics		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade descriptors:	• GD3-Application of skills • GD4-Use of information • GD5-Communication and presentation • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 5 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Be able to organise and present data.	1.1 Identify data as qualitative, quantitative, discrete or continuous. 1.2 Select the dominant features of data and suggest plausible interpretations. 1.3 Construct suitable charts and diagrams including histograms and line graphs with suitable scales, state the advantages and disadvantages of a wide range of diagrams.
2 Know how to calculate and use averages.	2.1 Calculate the mean, median and mode of grouped data. 2.2 Choose an appropriate average and justify the choice (e.g. Exam marks - mean; Exam grades - median; qualitative data - mode.
3 Know how to calculate and use measures of spread.	3.1 Calculate standard deviation of raw data and grouped data. 3.2 Use mean and standard deviation to compare different data sets.
4 Be able to use bivariate data.	4.1 Calculate a coefficient of correlation (e.g. Spearman or Product moment).

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	**The learner can:**
	4.2 Make statements about the possible causal relationship between variables with strong correlation.
5 Be able to calculate probability.	5.1 Calculate the probability of combined events. 5.2 Construct tree diagrams and use them to solve problems involving combined events. 5.3 Identify events which are independent or mutually exclusive.

Access to HE Diploma Unit

Unit Code:	QU018310		
Title:	Research: Practical Investigation Project		
Unit Level:	Level 3	**Unit Credit:**	6
Grading type:	Graded		
Grade descriptors:	• GD2-Application of knowledge • GD3-Application of skills • GD4-Use of information • GD6-Autonomy/Independence • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 4 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Be able to plan a practical investigation project.	1.1 Identify and agree a practical investigation project, located within a knowledge domain relevant to the named Diploma. 1.2 Produce a hypothesis and clear aims for the investigation project. 1.3 Identify any ethical, practical or safety issues and how these will be managed/overcome. 1.4 Produce a risk assessment. 1.5 Maintain a record of project progress through all stages of research, development and completion.
2 Be able to undertake a practical investigation.	2.1 Carry out research from a wide range of sources. 2.2 Develop an appropriate investigation. 2.3 Identify the variables and explain how they can be controlled, where necessary. 2.4 Carry out the investigation safely, using appropriate practical skills and techniques.

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	**The learner can:**
	2.5 Analyse the results of the investigation with reference to relevant theory.
3 Know how to present the project.	3.1 Present the body of work in a style appropriate to the knowledge domain with clear conclusions. 3.2 Use appropriate technical terminology fluently. 3.3 Reference all findings using a recommended style of referencing.
4 Be able to evaluate own research project.	4.1 Reflect on the design and methodology of the project. 4.2 Evaluate the body of work in relation to aims and hypothesis. 4.3 Identify recommendations for the future.

Access to HE Diploma Unit

Title:	Research Skills for Sociology or Criminology		
Unit Code:	QU026190		
Unit Level:	Level 3	**Unit Credit:**	6
Grading type:	Graded		
Grade Descriptors:	• GD1-Understanding the subject • GD2-Application of knowledge • GD3-Application of skills • GD4-Use of information • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Suggested Assessment details:	Research diary 500 words, research proposal 500 words, report 1500 words, evaluation 250 words		

This unit has 5 learning outcomes.

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	**The learner can:**
1 Understand research methods and their uses.	1.1 Evaluate the use of different research methods for a specific research purpose.
2 Be able to plan a research project.	2.1 Establish research aims related to the research topic. 2.2 Produce a detailed research proposal with specific timescales and milestones for completion of the research. 2.3 Justify its relevance for the subject area.
3 Be able to carry out a research project.	3.1 Carry out research that adheres to: a) the research proposal b) ethical guidelines c) agreed timescales.
4 Be able to produce a report on research using a standard format.	4.1 Report on research using a standard format.

	4.2 Evaluate findings in relation to the research aims. 4.3 Use an accepted method of referencing source material.
5 Be able to evaluate a research project.	5.1 Evaluate a research proposal and its procedures. 5.2 Evaluate methods used to research the subject area.

Optional Units: Graded Academic Subject Content

Access to HE Diploma Unit

Unit Code:	QU006070		
Title:	Anatomy and Physiology		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade descriptors:	• GD1-Understanding the subject • GD2-Application of knowledge • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 4 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Know the main structures of the skeletal, muscular, circulatory, respiratory and nervous system.	1.1 Name in detail the structural features of the skeletal, muscular, circulatory, respiratory and nervous systems with correct anatomical nomenclature.
2 Understand the key functions of the skeletal, muscular, circulatory, respiratory and nervous systems.	2.1 Analyse the functioning of the skeletal, muscular, circulatory, respiratory, and nervous systems.
3 Understand the relationship between the body systems of the skeletal, muscular, circulatory, respiratory, and nervous systems.	3.1 Analyse the inter-relationship between the functions of the skeletal, muscular, circulatory, respiratory, and nervous systems.
4 Understand the key responses of the skeletal, muscular, circulatory, respiratory, and nervous systems during physical activity.	4.1 Compare and contrast the relevant responses of the skeletal, muscular, circulatory, respiratory and nervous systems to different physical activities.

Access to HE Diploma Unit

Unit Code:	QU005844		
Title:	Aspects of Social Psychology		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade descriptors:	• GD2-Application of knowledge • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 3 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand factors affecting prejudice.	1.1 Analyse prejudice in relation to theories, factors affecting prejudice and ways to reduce prejudice.
2 Understand pro and anti-social behaviour.	2.1 Critically evaluate factors affecting pro and anti-social behaviour.
3 Understand social influence in relation to conformity, compliance and obedience.	3.1 Evaluate social influences with particular reference to conformity, compliance and obedience.

Access to HE Diploma Unit

Unit Code:	QU006094		
Title:	Biochemistry in the Human Body		
Unit Level:	Level 3	**Unit Credit:**	6
Grading type:	Graded		
Grade descriptors:	• GD2-Application of knowledge • GD3-Application of skills • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 3 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand properties of important biological molecules.	1.1 Analyse molecular structures and explain the properties of carbohydrates, proteins and lipids.
2 Understand the structure function and significance of enzymes in the body.	2.1 Analyse the structure of enzymes and factors affecting their activity. 2.2 Evaluate the use of enzymes in biochemical tests and their role in human digestion.
3 Be able to carry out a biological investigation and produce a standard report.	3.1 Carry out an enzyme investigation safely and competently. 3.2 Record the results in a structured format. 3.3 Draw a conclusion based on the results and supported by reasoned arguments. 3.4 Discuss the biological significance of the results and show an awareness of the limitations of the investigation.

Access to HE Diploma Unit

Unit Code:	QU019000		
Title:	Cell Biology and Biochemistry		
Unit Level:	Level 3	**Unit Credit:**	6
Grading type:	Graded		
Grade descriptors:	• GD1-Understanding the subject • GD2-Application of knowledge • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 5 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Know the structure of eukaryotic cells.	1.1 Explain the structure of eukaryotic cells. 1.2 Identify from electron micrographs: • the nucleus • cell membrane • endoplasmic reticulum • ribosomes • mitochondria • Golgi body • lysosomes. 1.3 Estimate the size of cells and organelles from microscope study or photographs. 1.4 Explain the levels of organisation in multicellular organisms, including the importance of cell specialisation with reference to a specific tissue.
2 Understand the functions of cell organelles.	2.1 Explain the links between the functions and structure of: • the nucleus • endoplasmic reticulum • ribosomes • mitochondria • Golgi body • lysosomes.
3 Understand the structure and function of biological molecules.	3.1 With reference to carbohydrates, proteins and lipids

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	**The learner can:**
	a) recognise the structure of the molecules b) relate the structure of the molecules to their function c) explain formation and breakdown of polymers.
4 Understand how materials are exchanged across the cell membrane.	4.1 Analyse the movement of substances across the cell membrane by: • diffusion • osmosis • active transport • pinocytosis. 4.2 Explain how the exchange of materials across the cell membrane is related to its structure.
5 Understand the mode of action of enzymes.	5.1 Explain the structure of enzymes, including how their structure is linked to their function. 5.2 Explain the concept of activation energy. 5.3 Evaluate models of enzyme action: a) lock and key b) induced fit. 5.4 Explain the effect of external factors on enzyme activity.

Access to HE Diploma Unit

Unit Code:	QU006178		
Title:	Circulation, Immunity and Homeostasis		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade descriptors:	• GD2-Application of knowledge • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 4 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand the different types of tissues within the human body.	1.1 Differentiate between epithelial, connective, muscle and nervous tissue and relate their structure to function.
2 Understand how the human circulatory system functions and how it may be affected by degenerative conditions.	2.1 Explain how the structure of blood, the heart and blood vessels relates to their function in transport and metabolic exchange. 2.2 Explain risk factors associated with coronary heart disease.
3 Understand how the human immune system functions.	3.1 Explain how the major components of the immune system function and their significance in the immune response. 3.2 Explain the differences between passive, active and acquired immunity.
4 Understand the concept of homeostasis within the human body.	4.1 Explain what homeostasis entails and explain how it is achieved with reference to suitable homeostatic mechanisms of the body.

Access to HE Diploma Unit

Unit Code:	QU019010		
Title:	Criminal Investigation and the Criminal Justice System		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade descriptors:	• GD1-Understanding the subject • GD5-Communication and presentation • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 3 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand the legal framework that criminal law investigators must adhere to secure a criminal conviction.	1.1 Explain the legal framework and criminal law that criminal investigators must adhere to. 1.2 Explain ways in which investigations are undertaken to ensure that they meet the Code of Ethics. 1.3 Explain criminal justice system processes.
2 Know the procedures and the resources available in criminal investigations	2.1 Evaluate the stages of the investigation process, including interviewing and the resources available during a criminal investigation. 2.2 Demonstrate appropriate interview skills using techniques to gain intelligence information.
3 Be able to use communication skills as a professional witness in a mock criminal trial.	3.1 Demonstrate effective communication skills as a professional witness in a mock criminal trial.

Access to HE Diploma Unit

Unit Code:	QU019002		
Title:	Digestive Processes		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade descriptors:	• GD1-Understanding the subject • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 3 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand the structure and functions of the digestive system.	1.1 Explain the role of the key components of a balanced diet. 1.2 Evaluate the effects of nutritional deficiencies on health. 1.3 Explain how the structure of the digestive system is related to its functions of: • ingestion • digestion • absorption • assimilation • egestion. 1.4 Explain how carbohydrates, fats and proteins are broken down physically and chemically. 1.5 Analyse the problems associated with protein digestion, explaining the importance of enzyme activation.
2 Understand the process of excretion.	2.1 Explain the mechanisms by which the liver and the kidney retain glucose but eliminate urea.
3 Understand the role of the nervous and endocrine systems in co-ordinating body systems.	3.1 With reference to the digestive system: a) explain how reflexes contribute to the co-ordination of the system b) critically compare the role of the nervous system with that of

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	**The learner can:**
	hormones in the co-ordination of the system. 3.2 Explain the regulation of blood glucose levels using negative feedback mechanisms.

Access to HE Diploma Unit

Unit Code:	QU19012		
Title:	Environmental Forensics		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade descriptors:	• GD1-Understanding the subject • GD3-Application of skills • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 3 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand how concepts in taphonomy and entomology contribute to forensic investigation.	1.1 Explain: • entomology • taphonomy. 1.2 Analyse the effect of different entomological processes on taphonomy in forensic investigation.
2 Be able to carry out investigative techniques for taphonomy and entomology that are used in order to estimate time of death in forensic investigation.	2.1 Explain how investigative techniques are used to collect and analyse taphonomy and entomological evidence in forensic investigation. 2.2 Use calculations to estimate TOD.
3 Be able to carry out techniques used to examine soil, pollen and diatom evidence in forensic investigation.	3.1 Explain how techniques are used to examine soil, pollen and diatom evidence. 3.2 Evaluate soil, pollen and diatom evidence to draw conclusions.

Access to HE Diploma Unit

Unit Code:	QU019016		
Title:	Forensic Photography		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade descriptors:	• GD1-Understanding the subject • GD3-Application of skills • GD4-Use of information • GD5-Communication and presentation • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 3 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Know how to obtain photographic evidence from a simulated crime scene.	1.1 Explain how equipment and techniques could be used to produce photographic evidence of a simulated crime scene. 1.2 Produce a plan to obtain photographic evidence from a simulated crime scene.
2 Know how to use photographic equipment and techniques to produce a visual record of evidence from a simulated crime scene.	2.1 Demonstrate effective use of equipment and techniques to produce a range of photographic images for a visual record of a simulated crime scene. 2.2 Justify choice of photographic equipment and techniques to produce visual record of a simulated crime scene.
3 Understand how to review the suitability of the visual record produced in accordance with use of photographic evidence presented in a court of law.	3.1 Analyse the requirements of presenting visual evidence in a court of law. 3.2 Evaluate the extent to which the visual photographic record of the simulated crime scene meets the legal requirements for use in a court of law.

Access to HE Diploma Unit

Unit Code:	QU006307		
Title:	Fundamental Concepts and Scientific Method in Biology		
Unit Level:	Level 3	**Unit Credit:**	6
Grading type:	Graded		
Grade descriptors:	• GD1-Understanding the subject • GD2-Application of knowledge • GD3-Application of skills • GD4-Use of information • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 6 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand scientific terminology.	1.1 Explain appropriate scientific terminology accurately.
2 Understand a range of biological processes.	2.1 Explain diffusion and osmosis with reference to a range of examples. 2.2 Analyse the importance of surface area to volume ratio in biology using appropriate examples. 2.3 Explain the concept of negative feedback in biology using two examples.
3 Understand the concept of units and scales in biology.	3.1 Differentiate the scale of measurement in various biological structures. 3.2 Measure, reform and calculate magnifications and sizes from diagrams and micrographs. 3.3 Diagnose various units of measurement and express them in different ways.
4 Know how to tabulate plot and interpret data.	4.1 Apply data in fully labelled tables manually and using basic excel functions.

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	**The learner can:**
	4.2 Develop graphs from tabulated data both manually and using excel. 4.3 Calculate and explain the importance of rates of change.
5 Understand scientific reporting.	5.1 Demonstrate how to record methods and results clearly. 5.2 Interpret and explain results. 5.3 Evaluate work (discuss limitations of method, suggest improvements and further experiments).
6 Be able to use a range of apparatus in biological investigations.	6.1 Prepare specimens for and use a light microscope on high power to produce accurate scaled drawings. 6.2 Demonstrate use of specialised apparatus competently to gain comprehensive data in an experiment. 6.3 Demonstrate use of common lab apparatus safely and competently in a range of situations.

Access to HE Diploma Unit

Unit Code:	QU019006		
Title:	Fundamentals of Chemistry: Conducting Experiments		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade descriptors:	• GD1-Understanding the subject • GD2-Application of knowledge • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 2 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Know how to plan and perform chemistry experiments.	1.1 Plan and carry out experiments involving three of the following: • the separation of a mixture • determination of the formula of a compound • titrimetric or colorimetric analysis • synthesis and purification of a substance. 1.2 Explain the theoretical concepts behind each of the experiments undertaken.
2 Be able to produce scientific reports.	2.1 Produce reports for each of the experiments using the standard scientific format. 2.2 Analyse the results of the experiments and draw relevant conclusions.

Access to HE Diploma Unit

Unit Code:	QU018998		
Title:	Human Cardiac and Respiratory Systems		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade Descriptors:	• GD1-Understanding the subject • GD2-Application of knowledge • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 3 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand the structure and function of the respiratory system.	1.1 Explain the structure of the respiratory system, relating this to the process of ventilation. 1.2 Evaluate the conditions required for effective gaseous exchange. 1.3 Explain the role of the nervous system in generating normal breathing rhythm.
2 Understand the structure and transport function of blood.	2.1 Explain the constituents of plasma, including their functions. 2.2 Explain the structure of a red blood cell, including how this relates to its function. 2.3 Explain how oxygen and carbon dioxide are transported by the blood.
3 Understand blood circulation in the human body.	3.1 Explain the structure of arteries, veins, arterioles and capillaries, relating this to their functions. 3.2 Explain the structure of the heart in relation to its function. 3.3 Explain the cardiac cycle, including the electrical activity of the heart during a heartbeat.

Access to HE Diploma Unit

Unit Code:	QU018411		
Title:	Introduction to Criminal Law		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade descriptors:	• GD1-Understanding the subject • GD2-Application of knowledge • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 3 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand the concepts of men's rea and actus reus.	1.1 Define men's rea and actus reus and critically evaluate the use of these terms.
2 Understand the concepts of murder and manslaughter.	2.1 Define murder and manslaughter. 2.2 Analyse the problems caused by attempts to define these concepts with appropriate reference to relevant case law.
3 Understand the general defences in criminal law.	3.1 Explain the defences available to homicide and analyse some of the difficulties that have arisen in applying them.

Access to HE Diploma Unit

Unit Code:	QU006605		
Title:	Introduction to the Sociology of Crime and Deviance		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade descriptors:	• GD2-Application of knowledge • GD4-Use of information • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 3 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand the social construction and relativity of crime and deviance.	1.1 Differentiate between crime and deviance. 1.2 Analyse the social construction of crime and deviance.
2 Understand the measurement, extent of and distribution of crime.	2.1 Evaluate the reliability and validity of official statistics, self-report and victim surveys. 2.2 Examine and interpret over- and under-representation of different social groups in crime statistics.
3 Understand sociological explanations and theories of crime and deviance.	3.1 Evaluate explanations and theories of crime and deviance.

Access to HE Diploma Unit

Unit Code:	QU019945		
Title:	Interpersonal Violence		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade descriptors:	• GD1-Understanding the subject • GD4-Use of information • GD5-Communication and presentation • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 3 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand interpersonal violence and the problems surrounding "intent'.	1.1 Explain the *actus reus* and *men's rea* of interpersonal violence and apply to factual scenarios. Can include homicide, genocide, domestic violence and infanticide. 1.2 Evaluate the problems concerned with "intent" in interpersonal violence.
2 Understand the defences leading to voluntary manslaughter and the related problems.	2.1 Describe and evaluate the defence of provocation. 2.2 Describe and evaluate the defence of diminished responsibility.
3 Understand the different types of involuntary manslaughter.	3.1 Explain and assess unlawful act manslaughter. 3.2 Explain and assess gross negligence manslaughter.

Access to HE Diploma Unit

Unit Code:	QU019014		
Title:	Practical Chemical Analysis		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade descriptors:	• GD1-Understanding the subject • GD2-Application of knowledge • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 3 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Know how to investigate quantitative analysis on the components of matrices to determine their composition.	1.1 Demonstrate accurately the amount of analyte in matrices. 1.2 Explain the composition of the matrices analysed. 1.3 Critically compare the use of primary and secondary titrimetric standards.
2 Know how to investigate spectroscopic techniques to identify compounds and determine concentrations.	2.1 Demonstrate accurately the concentrations of solutions using the Beer-Lambert law. 2.2 Explain correctly the structures of simple organic compounds from their percentage composition, infrared spectra, mass spectra, 1H NMR and 13C NMR spectra.
3 Know how to investigate chromatographic techniques to identify components and determine the amounts present in samples.	3.1 Explain the operation and applications of capillary GC and HPLC instrumentation and measurements. 3.2 Demonstrate accurately the identity and amount of analytes using qualitative and quantitative GC and HPLC data.

Access to HE Diploma Unit

Unit Code:	QU006835		
Title:	Practical Chemical Science for Health Studies		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade Descriptors:	• GD4-Use of information • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 2 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand how to use laboratory equipment effectively.	1.1 Follow instructions in a complex chemistry practical assessment. 1.2 Use laboratory equipment to carry out practical procedures correctly and safely. 1.3 Record observations from a suitable chemistry practical assessment in an appropriate format.
2 Understand how to carryout quantitative and qualitative procedures safely and effectively.	2.1 Follow instructions for and safely carry out a qualitative practical assessment in an appropriate format. 2.2 Summarise acceptable results from a qualitative practical assessment. 2.3 Follow instructions for and safely carry out a quantitative practical assessment. 2.4 Summarise accurate results from a quantitative practical assessment. 2.5 Carry out effectively chemical manipulations.

Access to HE Diploma Unit

Unit Code:	QU014056		
Title:	The Blood		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade Descriptors:	• GD1-Understanding the subject • GD2-Application of knowledge • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 3 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand the function of blood and its composition.	1.1 Explain the major components and functions of blood. 1.2 Explain the formation of blood cells and how they mature. 1.3 Explain the structure and function of RBC, including the role of haemoglobin, and how they are recycled. 1.4 Describe the structure of WBC and explain their functions in relation to immunity.
2 Understand the blood clotting process.	2.1 Explain the process of haemostasis in detail.
3 Understand blood groups and compatibility.	3.1 Analyse blood group compatibilities and explain why they are compatible or not.

Access to HE Diploma Unit

Unit Code:	QU019004		
Title:	The Human Skeleton and Muscles		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade Descriptors:	• GD1-Understanding the subject • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 3 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand the function of the human skeletal system.	1.1 Explain the structure of the human skeleton, including how this relates to its functions. 1.2 Explain different types of joints, exploring the importance of their properties. 1.3 Explain the structure of a synovial joint, including the roles of the component parts. 1.4 Explain the properties and functions of tendons, ligaments and cartilage.
2 Understand the function of the human muscular system.	2.1 Explain and critically compare the properties of different types of muscle, exploring the sliding filament hypothesis of muscle contraction. 2.2 Explain how antagonistic muscles bring about extension and flexion of either the elbow joint or the knee joint.
3 Understand the importance of maintaining the health of the muscular and skeletal systems.	3.1 Analyse the effects on the muscular and skeletal systems of: a) poor lifting techniques b) bad posture.

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	**The learner can:**
	3.2 Evaluate the effects of skeletal disease on the healthy functioning of the skeletal system.

Access to HE Diploma Unit

Unit Code:	QU006333		
Title:	The Psychology of Offender Profiling		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Graded		
Grade Descriptors:	• GD1-Understanding the subject • GD2-Application of knowledge • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 3 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand the role of profilers within the legal system.	1.1 Critically consider the contribution that profilers make to assist the police in apprehending criminals. 1.2 Evaluate the merits and pitfalls of profilers as experts.
2 Understand a range of profiling approaches.	2.1 Explain and evaluate FBI profiling. 2.2 Explain and evaluate investigative psychology. 2.3 Explain and evaluate geographic profiling.
3 Show an appreciation of critical issues concerning offender profiling.	3.1 Discuss and evaluate issues including differences in frameworks, differences between individual profilers, cultural differences and information gathering techniques.

Access to HE Diploma Unit

Unit Code:	QU018996		
Title:	Understanding Genetics		
Unit Level:	Level 3	**Unit Credit:**	6
Grading type:	Graded		
Grade Descriptors:	• GD1-Understanding the subject • GD2-Application of knowledge • GD4-Use of information • GD5-Communication and presentation • GD7-Quality		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to Assessment Grid		

This unit has 4 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand the processes and importance of mitosis and meiosis.	1.1 Explain the stages of mitosis and meiosis. 1.2 Explain the significance of the differences between mitosis and meiosis.
2 Understand the composition, structure and role of nucleic acids in the replication of DNA and the process of protein synthesis.	2.1 Explain the structure and method of replication of DNA. 2.2 Explain protein synthesis.
3 Understand the genetic basis of inheritance.	3.1 Analyse how genetic problems involving monohybrid, co-dominant and sex-linked inheritance may be solved. 3.2 Discuss specific examples of chromosome mutations, explaining their significance.
4 Know the process of DNA extraction.	4.1 Explain the stages involved in extracting DNA from cells. 4.2 Analyse why it might be necessary to extract DNA. 4.3 Perform DNA extraction from cells safely and competently.

Mandatory Units: Ungraded

Access to HE Diploma Unit

Unit Code:	QU025276		
Title:	Academic Writing Skills		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Ungraded		
Academic subject content/other:	Other		
Assessment details:	Refer to assessment grid		

This unit has 5 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Be able to record information from a range of sources.	1.1 Use note-taking skills to prioritise key points from a range of sources.
2 Be able to plan and develop a structured framework for extended writing, including an introduction, main body and conclusion.	2.1 Develop a detailed essay plan for an extended piece of writing, which organises meaning and ideas coherently and effectively. 2.2 Include detailed planning for an introduction, main body and conclusion to the essay.
3 Be able to proofread and edit own writing effectively.	3.1 Produce an essay draft which shows evidence of proofreading and editing.
4 Be able to present information and opinion in a written format, using language, style and conventions appropriate to academic writing.	4.1 Communicate with clarity and detail to convey meaning and ideas effectively. 4.2 Write following conventions of sentence structure, punctuation, paragraphing, spelling and grammar. 4.3 Use appropriate style and register which shows an awareness of audience.

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	**The learner can:**
5 Be able to understand and use a standard form of referencing.	5.1 Use accurately a standard form of referencing that reflects a range of sources.

Access to HE Diploma Unit

Unit Code:	QU025532		
Title:	Preparation for Higher Education		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Ungraded		
Academic subject content/other:	Other		
Assessment details:	Refer to assessment grid.		

This unit has 4 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand how to identify opportunities for Higher Education.	1.1 Use information sources to research Higher Education courses. 1.2 Analyse processes and procedures necessary to gain entry to Higher Education. 1.3 Analyse information on Higher Education courses and make appropriate realistic choices. This can also include Higher and Degree Apprenticeships.
2 Understand the process of completing a Higher Education application form.	2.1 Complete an application form with excellent attention to detail, meeting a given deadline. 2.2 Summarise and evaluate personal experiences, achievement and goals, communicating these clearly in a personal statement.
3 Understand preparation required for the interview process.	3.1 Conduct further personal research into courses at relevant institutions in preparation for an interview. 3.2 Prepare provisional answers to anticipated questions, making excellent use of previous experience and recent study.

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	**The learner can:**
4 Understand the need to prepare for the transition to Higher Education.	4.1 Analyse the personal and academic qualities needed for successful study in Higher Education. 4.2 Explain likely practical problems and barriers in moving to higher education and seek strategies for overcoming these. 4.3 Analyse the nature of study in Higher Education.

Access to HE Diploma Unit

Unit Code:	QU011467		
Title:	Spreadsheets		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Ungraded		
Academic subject content/other:	Other		
Assessment details:	Refer to assessment grid.		

This unit has 7 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Know how to design and store a spreadsheet.	1.1 Design a spreadsheet appropriate to a user's requirements. 1.2 Create and store the spreadsheet. 1.3 Evaluate the spreadsheet in terms of meeting the user's needs.
2 Be able to retrieve and modify an existing spreadsheet.	2.1 Modify the spreadsheet design/content in response to user feedback.
3 Know how to print a spreadsheet.	3.1 Print or display whole or part spreadsheets/formulae with a variety of print layout options.
4 Be able to enhance user readability.	4.1 Use suitable formatting options for displaying text and numeric values. 4.2 Define and use conditional formatting to limit input error and give suitable messages to users.
5 Understand spreadsheet functions.	5.1 Develop a spreadsheet solution using a range of mathematical functions.
6 Understand graphical facilities.	6.1 Use an appropriate graph type. 6.2 Draw pie, bar, line graphs with appropriate labels attached.

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	**The learner can:**
7 Know how to use additional features within the spreadsheet environment.	7.1 Use advanced sorting, protecting and filtering facilities on a spreadsheet. 7.2 Analyse data using pivot tables.

Optional Units: Ungraded

Access to HE Diploma Unit

Unit Code:	QU018346		
Title:	Academic Reading Skills		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Ungraded		
Academic subject content/other:	Other		
Assessment details:	Refer to assessment grid.		

This unit has 3 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Be able to demonstrate the use of different reading techniques.	1.1 Annotate text after using skimming, scanning and active reading techniques. 1.2 Summarise text after using skimming, scanning and active reading techniques.
2 Explain, with examples, how language used in texts can reveal assumptions and prejudice.	2.1 Identify and explain instances of opinion and bias in text. 2.2 Analyse the use of objective and emotive language in a text.
3 Demonstrate how to apply critical reading techniques to texts.	3.1 Analyse the strengths and weaknesses of an argument from at least two texts. 3.2 Critically evaluate an argument.

Access to HE Diploma Unit

Unit Code:	QU018304		
Title:	Health and Safety in the Laboratory		
Unit Level:	Level 2	**Unit Credit:**	3
Grading type:	Ungraded		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to assessment grid.		

This unit has 4 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Understand the importance of Health and Safety.	1.1 Illustrate the working language of health and safety-risk assessment and codes of practice
2 Understand and implement Health and Safety good practice in a laboratory.	2.1 Identify possible risks involved in practical laboratory activities. 2.2 Describe warning symbols used in chemistry: corrosive, highly flammable, toxic, irritant, harmful and explain the possible dangers. 2.3 Employ relevant Health and Safety practices in the laboratory, i.e. wearing lab coats, safety glasses and gloves.
3 Understand the meaning of control of substances hazardous to health (COSHH) and the regulations attached.	3 Understand the meaning of control of substances hazardous to health (COSHH) and the regulations attached.
4 Understand that there are Health and Safety actions that must be adhered to.	4.1 Identify and describe emergency procedures, emergency services and ways of contacting them. 4.2 Describe the Health and Safety actions relevant to working in a health-related laboratory.

Access to HE Diploma Unit

Unit Code:	QU010772		
Title:	Practical Science Skills		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Ungraded		
Academic subject content/other:	Academic Subject Content		
Assessment details:	Refer to assessment grid.		

This unit has 4 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Be able to use a range of general laboratory equipment.	1.1 Demonstrate how to use equipment safely and effectively within a laboratory.
2 Be able to use specialised equipment.	2.1 Demonstrate how to carry out a procedure with accuracy.
3 Know how to work with appropriate regard for safety.	3.1 Demonstrate how to carry out practical work in a safe manner. 3.2 Assess the possible safety issues relating to a practical procedure.
4 Understand how to report on investigations.	4.1 Produce an experimental report with use of appropriate terminology. 4.2 Identify a range of ways in which the work could be improved. 4.3 Evaluate the outcomes of the original objective and identify further steps to be taken in the development of work.

Access to HE Diploma Unit

Unit Code:	QU028487		
Title:	Promoting Wellbeing and Building Resilience		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Ungraded		
Academic subject content/other:	Other		
Assessment details:	Refer to assessment grid.		

This unit has 4 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1. Understand the physical and psychological impact of pressure and stress on mental wellbeing.	1.1 Explain the physical and psychological impact of pressure and stress on mental wellbeing.
2. Understand the connection between mental wellbeing and resilience.	2.1 Analyse the connection between mental wellbeing and resilience.
3. Understand the factors that can improve wellbeing and build resilience.	3.1 Explain factors that can improve wellbeing. 3.2 Explain factors that can negatively affect wellbeing and how to avoid them. 3.3 Explain the behaviours associated with resilience. 3.4 Explain ways to build resilience.
4. Understand how to manage an individual's mental wellbeing and the support available to them.	4.1 Evaluate the methods for managing and maintaining mental wellbeing and building resilience. To include practical and theoretical methods such as breathing exercises to reduce stress, mindfulness techniques. 4.2 Analyse the types of support available from different sources.

Access to HE Diploma Unit

Unit Code:	QU018318		
Title:	Study Skills		
Unit Level:	Level 3	**Unit Credit:**	3
Grading type:	Ungraded		
Academic subject content/other:	Other		
Assessment details:	Refer to assessment grid.		

This unit has 5 learning outcomes.

LEARNING OUTCOMES	**ASSESSMENT CRITERIA**
The learner will:	**The learner can:**
1 Know how to manage and organise study time.	1.1 Produce, revise and evaluate a personal schedule of study that accommodates own time constrains. 1.2 Where necessary, prioritise and reschedule study plan explaining changes. 1.3 Prioritise and meet assignment deadlines, negotiating new deadlines if needed. 1.4 Devise a strategy for organising coursework.
2 Know how to participate in learning activities.	2.1 Prepare efficiently for tutorials and classroom activities. 2.2 Participate appropriately in classroom activities.
3 Understand assignment requirements.	3.1 Analyse assignment effectively identifying aims and objectives. 3.2 Determine suitable format for assignment, effectively explaining decisions made.
4 Understand learning preferences.	4.1 Analyse different methods of learning. 4.2 Analyse methods of identifying own learning preferences.

5 Be able to retrieve information from a range of sources.	5.1 Retrieve information from a range of written texts using a range of reading skills. 5.2 Scan source material, critically evaluating information, selecting accurate and detailed notes to suit purpose. 5.3 Demonstrate the use of a recognised referencing system for retrieved information.

7. What to do next

For existing Centres please contact your named Development Manager or Development Officer.

For organisations, not yet registered as a Gateway Qualifications Centre please contact:

Gateway Qualifications
Gateway House
3 Tollgate Business Park
Colchester
CO3 8AB

Tel: 01206 911211

Email: enquiries@gatewayqualifications.org.uk

8. Gateway Qualifications

Gateway Qualifications, a not for profit registered charity, is an Awarding Organisation and authorised Access Validating Agency based in Colchester.
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We support flexible, responsive and quality assured learning opportunities whether it's in the classroom, at work, in the community or through distance learning.

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