

Access to HE Diploma Specification & Assessment Framework

Diploma Title: Science and Social Sciences

Learning Aim:	40015786
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Purpose and aim of the Access to HE Diploma

The Access to HE Diploma is intended to prepare people without traditional entry qualifications for degree level study at university. It may also be used by people wishing to make a career change or who have been out of formal education for a significant time to gain the knowledge, skills and confidence required for direct progression to employment or further study. The Access to HE Diploma is regulated by QAA and widely recognised as a progression route by universities across the UK.

Target Group

The Access Diploma is open to all learners but is designed to be accessible for individuals who, as a result of their socio-economic or personal circumstances, may not have been able to consider progression to degree level study. The Access Diploma therefore provides a second chance for individuals who, for whatever reason, were not able to take full advantage of their formal secondary education.

About the qualification

The Diploma Specification for Science and Social Sciences enables centres to choose from a variety of units from the science and social science modules making the combination appropriate for their learners.

The progression routes¹ from this Diploma could include, but are not limited to, degrees in adult nursing, mental health nursing, other healthcare degrees, social work, psychology, biological sciences, environmental science, nutrition, primary education, etc.

Specification Rules

All LASER Diplomas are made up of 45 graded credits (sections A, B, C below) and 15 ungraded credits (section D). The policy for the LASER Access to HE Diploma Specification & Assessment Framework is available at [Validated Diploma Specifications](#) or by contacting the Access Office.

Section	Minimum Credits	Graded/Ungraded	Modules	Notes
A	30	Graded	Science: Biology, chemistry, environmental science, physics and general science Social Sciences: Anthropology, criminology, politics, psychology, sociology and social work	Choices to be made from 2 or more subject areas taking a minimum of 15 credits from each discipline
B	9 or 15	Graded	Additional units from group A or selected counselling, education, forensics, maths, professional studies and other units	Number of credits dependent on choice of graded or ungraded IAS
C	6	Graded or Ungraded	IAS Science or IAS Social Sciences	MANDATORY UNIT
D	9 or 15	Ungraded	Study Skills units or selected ungraded options from sections A and/or B	Study Skills units can be at level 2 or 3 Number of credits dependent on choice of graded or ungraded IAS

¹ Suggested progression routes have been taken from provider feedback and HE consultation, they may be subject to change and further review and do not indicate any guarantee of progression in these fields. LASER would always recommend students ensure the diploma they wish to enrol on is appropriate for their future progression.

Unit Choices: SUBJECT GROUP A

30 graded credits to be selected from the modules listed below, these units are chosen as specific to the subject of the named Diploma and are all at level 3. Barred combinations as shown as either/or choices or noted within the tables below. Choices should be made from two or more subject areas.

Please note: QAA regulations state - *the maximum number of credits that can be made up from 6 or 9-credit units is 30 credits. Graded and ungraded 6 and 9-credit units will count towards the maximum.* As the Independent Academic Study is a mandatory graded or ungraded unit of 6 credits (Unit Group C), this means that **no more than four other 6-credit units (24 credits)** can be registered across Unit Groups A, B and D.

Science (minimum 15 credits)

Biology

Credits	Title			
3	Energy for healthcare			
3	Biochemistry for healthcare	or	3	Biochemistry
3	Cells, tissues and organs for healthcare	or	3	Cell biology
3	Digestion and the liver for healthcare	or	3	Nutrition and digestion
3	Homeostasis for healthcare	or	3	Mammalian control systems
3	The musculoskeletal system for healthcare	or	3	Musculoskeletal system
3	Blood, circulation and gaseous exchange for healthcare	or	3	Cardiopulmonary system
3	Disease and body defence	or	3	Microbiology and immunity
3	Reproductive biology for healthcare	or	3	Reproduction and inheritance*
3	Mendelian and applied genetics for healthcare	or		

**Reproduction and inheritance cannot be taken with either Reproductive biology for healthcare or Mendelian and applied genetics due to content overlap.*

Additional non-Healthcare specific biology

3	Biodiversity
3	Cellular Structures, Processes and Replication <i>Barred combination: Cell Biology or Cells, tissues & organs for healthcare</i>
3	Evolution and Ecology
3	Genetics
3	Microbiology <i>Barred combination: Microbiology and immunity</i>
3	Medical Biochemistry

Chemistry

Credits	Title
3	Body Chemistry
3	Drugs and Food Additives
3	Equilibria Acids and Buffers
3	Fundamentals of Chemistry
3	Medical Chemistry (<i>Graded only</i>)
3	Organic Chemistry
3	Organic Reaction Mechanisms
3	Periodic Table, Ionisation Energies and Redox
3	Pharmacology for Healthcare
3	Reaction Kinetics and Energetics
3	Separation and Analysis
3	Structure and Bonding

Environmental Science

Credits	Title
3	Brief History of Earth
6	Climate Change
3	Ecology
6	Environmental and Earth Science Fieldwork
3	Environmental Resources
3	Planetary Cycles
3	Pollutions and Pollutants
3	Practical Environmental Science Techniques
3	Sustainability and Energy Resources

Physics

Credits	Title
3	Electricity
3	Electromagnetism
3	Fields
3	Mechanics and Kinematics
3	Medical Physics 1
3	Medical Physics 2
3	Nuclear and Particle Physics
3	Optics and Waves
3	Physical Properties of Materials
3	Physics for Radiography: Diagnostic Nuclear Medicine
3	Physics for Radiography: Radiation
3	Physics for Radiography: Therapeutic Nuclear Medicine
3	Thermal Properties of Matter
3	Units, Energy and Motion

General Science

Credits	Title
3	Introduction to Science and the Scientific Method
3	Scientific Communication

Social Sciences (minimum 15 credits)

Anthropology

Credits	Title
3	Introduction to Anthropology & Research Issues
3	The Human Body: Biological and Social
6	Personhood: Rituals and Symbols
3	Gender and Sexuality

Criminology

Credits	Title
3	Crime and Social Exclusion
3	Criminal Investigations and Forensic Psychology
3	Critical Issues in Criminology
3	The History of Crime and Punishment
3	Introduction to Criminology
3	Introduction to Criminal Justice
3	Introduction to Forensic Crime Scene Investigation
3	The Media and Crime
3	Theories of Crime and Deviance
3	Victims and Victimology
3	White Collar Crime
3	Youth Crime and Youth Justice

Politics

Credits	Title
3	Anarchist Ideology
3	Conservative Ideology
3	Ecologism
3	Feminist Ideology
3	Liberal Ideology
3	Multiculturalism
3	Nationalist Ideology
3	Politics and the State of Nature Debate
3	Referendums, Elections and Electoral Systems
3	Representation, Participation and Democracy
3	Socialist Ideology
3	Studying and Ideology
3	The UK Constitution

Psychology

Credits	Title
3	Applied Stress Management
3	Bio-Psychology
3	Child Development
3	Cognitive Psychology
3	Criminological Psychology
3	Cyberpsychology
3	Forensic Psychology
3	Introduction to Psychology
3	Introduction to Sport Psychology
3	Neuro-Psychology
3	Psychology and Mental Health
3	Psychology and Therapy
3	Psychology of Early Socialisation
3	Psychology of Education
3	Psychology of Health
3	Research Methods in Psychology
3	Social Psychology
3	The Effects of Stress

Sociology

Credits	Title
3	Introduction to Sociology
3	Social Divisions
3	Social Research Methods
3	Social Stratification
3	The Sociology of Crime and Deviance
3	The Sociology of Education
3	The Sociology of Family
3	The Sociology of Health
3	The Sociology of Poverty
3	The Sociology of Religion
3	The Sociology of the Mass Media

Social Work	
Credits	Title
3	Anti-discriminatory Practice
6	Defining Social Work
3	Development of Social Welfare
3	Essential Practice Skills for Social Work
6	Introduction to Social Work
3	Safeguarding Adults from Possible Abuse
3	Safeguarding Children from Possible Abuse
3	Safeguarding in the UK
3	Social Science Research Methods
3	Social Welfare in the 21 st Century
6	Social Work Practice

Unit Choices: SUBJECT GROUP B

9 or 15 graded credits (depending on choice of graded or ungraded IAS unit from Group C) to be selected from either the modules listed in Group A and/or from the additional modules offered in below, these units are related to the subject of the named Diploma or will complement learning. These units are all at level 3.

Counselling	
Credits	Title
3	Approaches to Counselling
3	Introduction to Person-Centred Therapy
3	Listening Skills in the Helping Professions
6	Loss and Bereavement Counselling

Education	
Credits	Title
3	Education – A Focus on Quality
3	Education Studies
3	The History and Politics of Education
3	Theories of Learning

Forensics

Credits	Title
3	Applied Forensic Biology
3	Applied Forensic Chemistry
3	Applied Forensic Physics
3	Forensic Evidence Collection
3	Presenting Forensic Evidence

Maths

Credits	Title
3	Algebra
3	Arithmetic
3	Calculus
3	Collecting, Presenting and Using Statistics
3	General Mathematics
3	Introduction to Mathematics for Scientists
3	Statistics
3	The Nature and Applications of Statistics
3	Trigonometry

Professional Studies

Credits	Title
3	Developing Professional Practice in Healthcare
3	Understanding Adolescent Health
3	Understanding Ethics in Healthcare
3	Understanding Health and Well-being
3	Understanding Health Promotion and Health Education
3	Understanding Mental Health

Independent Academic Study: IAS GROUP C

6 credits are achieved from the appropriate Independent Academic Study unit (IAS) for the Diploma title. This unit is at level 3 and can be offered as graded or ungraded (but not both) within a centre's Rules of Combination.

Independent Academic Study (6 credits)

Credits	Title
6	Independent Academic Study (Science)
6	Independent Academic Study (Social Sciences)

Ungraded Units: GROUP D

15 or 9 ungraded credits (depending on choice of graded or ungraded IAS unit from Group C) are selected from the modules listed in Group D. These units are generally at level 3 but some study skills units may be available at level 2.

Applied Study Skills		
Level	Credits	Title
3	3	Academic Communication Skills
3	3	Critical Thinking
3	3	Data Analysis using IT
3	3	Essential Digital Skills for Students
3	3	Giving a Presentation to an Audience
3	3	Note Taking and Note Making
3	3	Preparing for and Taking Written Exams
2 or 3	3	Skills for Study: Essay Writing
2 or 3	3	Skills for Study: Research
2 or 3	3	Skills for Study: Writing
2 or 3	3	Using ICT for Study
Personal Reflection & Development		
Level	Credits	Title
3	3	Citizenship: Rights and Responsibilities for UK Professions
3	3	Cultural Diversity and Professional Practice
3	3	Mental Health and Self-Care Whilst Studying
3	3	Personal Organisation and Time Management
3	3	Reviewing and Planning for the Future
General English		
Level	Credits	Title
2	3	English Language Skills
3	3	Studying Literature
3	3	Communication – Reading and Writing
3	3	Communication – Speaking and Listening
General Maths		
Level	Credits	Title
2	3	Understanding Maths
3	3	Application of Number - Calculation
3	3	Application of Number – Data Interpretation
3	6	Introductory Mathematics for HE
3	3	Practical Mathematics for Healthcare

Ungraded Academic Subject Content (all at level 3)				
Units cannot be included within a centre's Rules of Combination as both graded and ungraded, but centres can choose to offer some academic subject units as ungraded versions. These must be identified as part of the course approval and will apply to all cohorts on this diploma title within a centre. If a centre wishes to include other units in Groups A or B as ungraded content, this will need to be requested for consideration by the AVA, giving valid reasons for inclusion, as part of course approval.				
Credits	Title			
Ungraded Biology				
3	Blood, circulation and gaseous exchange for healthcare			
3	Cells, tissues and organs for healthcare	or	3	Cell biology
3	Genetics			
3	Homeostasis for healthcare			
3	Mendelian and applied genetics for healthcare			
3	Microbiology and immunity <i>Barred combination: Microbiology</i>			
3	Musculoskeletal system			
3	Reproductive biology for healthcare			
Ungraded Chemistry				
3	Body Chemistry			
3	Fundamentals of Chemistry			
3	Organic Chemistry			
3	Organic Reaction Mechanisms			
3	Separation and Analysis			
Ungraded Environmental Science				
6	Environmental and Earth Science Fieldwork			
3	Practical Environmental Science Techniques			
Ungraded Physics				
3	Electricity			
3	Electromagnetism and Waves			
3	Mechanics, Energy and Matter			
3	Physical Properties of Materials			
3	Units, Energy and Motion			
Ungraded General Science				
3	Introduction to Science and the Scientific Method			
3	Scientific Communication			
3	Practical Science Skills			
Ungraded Criminology				
3	The History of Crime and Punishment			
3	Introduction to Criminology			
3	Introduction to Criminal Justice			
Ungraded Politics				
3	Politics and the State of Nature Debate			
Ungraded Psychology				
3	Cognitive Psychology			
3	Introduction to Psychology			
3	Psychology of Early Socialisation			
3	Research Methods in Psychology			

Ungraded Sociology	
3	Introduction to Sociology
3	Social Research Methods
3	The Sociology of Crime and Deviance
Ungraded Social Work	
3	Anti-discriminatory Practice
6	Introduction to Social Work
3	Safeguarding Adults from Possible Abuse
3	Safeguarding Children from Possible Abuse
3	Social Science Research Methods
Ungraded Counselling	
3	Listening Skills in the Helping Professions
Ungraded Education	
3	Theories of Learning
Ungraded Forensics	
3	Applied Forensic Biology
3	Applied Forensic Chemistry
3	Applied Forensic Physics
3	Forensic Evidence Collection
3	Presenting Forensic Evidence
Ungraded Maths	
3	Algebra
3	Arithmetic
3	Collecting, Presenting and Using Statistics
3	General Mathematics
3	Introduction to Mathematics for Scientists
3	Statistics
3	The Nature and Applications of Statistics
3	Trigonometry
Ungraded Professional Studies	
3	Developing Professional Practice in Healthcare
3	Understanding Ethics in Healthcare
3	Understanding Health and Well-being
3	Understanding Health Promotion and Health Education

Diploma Assessment Framework

All LASER validated Access to HE programmes must include a **Diploma Assessment Plan** as a part of their validation/revalidation process and the plans will be required to be updated and available for review as part of the yearly External Quality Assurance cycle. In identifying assessment models, practitioners should also give due consideration to the requirements of the LASER [Guidance on the Use of AI](#) to ensure the veracity of assessments as measures of student achievement.

The policy for the LASER Access to HE Diploma Specification & Assessment Framework is available via [Validated Diploma Specifications](#) or by contacting the Access Office.

Please note that required and recommended assessment methods will be dependent on the subject balance and choices made by individual centres and will be reviewed in conjunction with external quality assurers.

Required Assessment Models:

Assessment Model ²	Suggested Weighted Frequency of Use	Comments
Examination	High / Moderate / Low	<p><i>Required by LASER Examination Policy and identified as a commonly used assessment model within HE.</i></p> <p>The LASER Examination Policy requires all LASER validated Diploma Titles to contain at least three opportunities for students to experience appropriate forms of ‘summative’ examination which contribute to the final assessment and grade of the unit. Unless there is a compelling reason, no diploma should contain more than six examinations. The full policy can be viewed here: Access Policies.</p>
Project / Report	High / Moderate / Low	<p><i>An assessment model often employed in terms of HE provision. This will involve the student independently researching and reporting on a given area and will likely be included as an assessment model in each subject area within combined Sciences.</i></p>
Laboratory / Practical	High / Moderate / Low	<p><i>A frequently used model of assessment appropriate for many progression routes.</i></p>

² Definitions of the meanings of given **Assessment Models** are contained within Annex One of the LASER Access to HE Diploma Specification & Assessment Framework.

Experiment	High / Moderate / Low	<i>Very high frequency of use in HE. Students should have frequent experience of this form of assessment. Maybe appropriately used to test the application of skills and knowledge in a practical setting. This model overlaps and may be combined with Laboratory / Practical work.</i>
Essay	High / Moderate / Low	<i>A very common assessment model which allows for testing knowledge and understanding of relevant theory. Commonly used in HE.</i>

Recommended Assessment Models:

Recommended Assessment Model	Possible Weighting	Comments
Presentation	Strongly Recommended / Recommended / Suggested	<i>May be used to assess student knowledge and understanding of a given topic or as a means to assess independent practical/ investigative work via the presentation of results.</i>
Case Study	Strongly Recommended / Recommended / Suggested	<i>May be appropriate to areas where there is a requirement for application of knowledge... In Science it may be used to assess student understanding of Scientific developments within given areas.</i>
Workbook	Strongly Recommended / Recommended / Suggested	<i>May be used in relation to any unit.</i>