



BSc (Hons) Environmental Health (apprenticeship)

Programme Specification

1. Programme title	BSc (Hons) Environmental Health (apprenticeship)
2. Awarding institution	Middlesex University
3a Teaching institution	Middlesex University, Hendon
3b Language of study	English
4a Valid intake dates	September
4b Mode of study	4 years full time apprenticeship
4c Delivery method	<input checked="" type="checkbox"/> On-campus/Blended <input type="checkbox"/> Distance Education
5. Professional/ Statutory/ Regulatory body	Chartered Institute of Environmental Health
6. Apprenticeship standard	Level 6 Environmental Health Practitioner
7. Final qualification(s) available	BSc (Hons) Environmental Health Cert HE Environmental Health
8. Academic year effective from	2024-25

9. Criteria for admission to the programme

Applicants are required to be employed in an environmental health apprenticeship role that will enable them to engage in work activities that are relevant to developing the knowledge, skills and behaviours required to operate as a Chartered Environmental Health Practitioner.

Evidence that you have capacity to work at level 4+ for example:

5 GCSEs (Grade 4 or above) or 5 GCEs (Grade C or above) including: English Language and Mathematics or passed in Level 2 in English and Maths

Individual employers will set the selection criteria for their Apprentices. Most candidates will have least one A level in a science or technology subject drawn from Chemistry, Biology, Human Biology, Physics, Geography, Geology, Environmental Science, Nutrition, Food Science or similar.

Relevant or prior experiential learning may also be considered as an alternative.

10.Aims of the programme

This apprenticeship programme is vocationally orientated and designed to provide graduates with the skills necessary to analyse and evaluate environmental and health problems in scientific, technical and managerial terms. The programme is designed to produce high quality practitioners, whose skill profile ensures that they can be efficiently and effectively employed in a variety of settings including local authorities, Public Health agencies, commercial and industrial businesses, and consultancies. Graduates will have received a coherent body of theoretical and applied professional knowledge, transferable skill development, and a fundamental competency in the fields of environmental health that incorporate the ethical and moral dimensions of practice to ensure good, safe, inclusive and supportive Environmental Health Practitioners.

The teaching team has sought to develop a programme that is directly relevant to environmental health professionals working in, or aspiring to work, in a wide variety of contexts but which fosters the development of an informed, critical and imaginative attitude to professional practice. This has entailed the development of a programme that concentrates on the acquisition of knowledge, together with the skills to appraise and evaluate such theoretical knowledge in a practice context

The apprenticeship programme offers a balanced approach to managing environmental and health in a range of settings and is designed to meet the changing face of professional practice.

The apprenticeship programme aims, on successful completion, are to:

- a. Provide an integrated degree apprenticeship to enable apprentices/students to develop the knowledge, skills, professional behaviours and values specified in the nationally approved Environmental Health Practitioner Degree Apprenticeship Standard.
- b. Provide a multi-disciplinary understanding of the complexities of environmental and public health practice

- c. Provide a balance of scientific, technical, communication and legislative skills on which to base professional competence in relation to environmental health
- d. Enable students to identify, implement and evaluate appropriate control strategies to reduce harm to health
- e. Integrate leadership and influencing skills into professional practice
- f. Enable students to identify principal environmental health stressors and their impact on human health.
- g. Respond positively and flexibly to a changing environment and facilitate the development of problem-solving skills, resilience and agility
- h. Justify appropriate research methodology to underpin a research and development ethos within the profession.
- i. Evaluate and appraise new information, review evidence and critically analyse conflicting theories and assimilate best professional practice

11. Programme outcomes

A. Knowledge and understanding

On completion of this programme the successful student will have knowledge and critical understanding of:

1. Scientific, technological, evidence based, legislative and managerial principles that impact on Environmental Health practice.
2. Principle environmental and occupational stressors and vectors of diseases and how to control them
3. How social, cultural, emotional and psychological factors influence environmental health and the health of the public
4. Hazard analysis, risk assessment organisational culture and management.
5. Professional scope of practice including the complex political and corporate environment in which environmental health practitioners practice and the role of leadership, management of change and influencing skills within this practice
6. Legislation, application of relevant Acts, regulations, guidance and codes of practice, together with the technical and scientific knowledge to effect environmental health interventions in complex situations
7. The chemical, biological, physical, social and psychosocial stressors and their implications for health.
8. Comprehensive and detailed knowledge of environmental health intervention areas: Public Health; Food Safety; Health and Safety; Housing and Health; Environmental Protection
9. Critical awareness of business principles to enable effective advice and guidance to be provided in a range of business contexts.

Teaching/learning methods

Students gain knowledge and understanding through engagement with concept videos, workshops, seminars, laboratory and practical sessions and through a variety of directed and self-directed learning activities e.g. group projects, case study analysis, critical literature appraisal laboratory-based learning and data analysis, portfolio development and use of real-world examples. Classroom conversations consolidate knowledge and seminars, and practical sessions embed understanding. The use of case studies (with examples co-created with employers) that reflect actual workplace environments are used to enable students to relate knowledge to practice situations in which they are likely to operate in the future. Use of e-learning strategies are also integrated into the teaching and learning strategies through the use of professional online data bases. Online learning is also used to encourage

independent study including links to external sources of information, podcast presentations and guidance notes which are available for download. Formative assessment, using interactive exercises and quizzes is designed to encourage interaction with learning materials

Assessment methods

Formative assessment such as online learning exercises, peer evaluation, group activities and feedback of sample work will be used.

Students' knowledge and comprehension are assessed by case study portfolios, problem solving activities, coursework essays, management reports, reflection, case studies and presentations couple with the completion of an undergraduate dissertation and apprenticeship end point assessment

B. Skills

On completion of this programme the successful student will be able to:

1. Develop audit skills and competently undertake investigations spanning the scope of practice of environmental health and make recommendations on the most appropriate course of action to employ where remedy is required
2. Apply knowledge of health and environmental stressors on which to develop solutions and appropriate environmental health interventions to a range of environmental health challenges
3. Carry out appropriate numerical calculations together with the ability to retrieve, collate and interpret information and data gained in variety of contexts and critically evaluate contradictory options to a given problem in complex and unpredictable situations.
4. Critically evaluate the results of an academic investigation and be able to extract data using a range of techniques appropriate to their chosen fields
5. Synthesise environmental health needs at the individual, neighbourhood and regional level and incorporate political, environmental and social contexts into decision making
6. Employ regulatory and non-regulatory controls, as appropriate, across the scope of practice and consider the role of partnership working in the development of this practice.
7. Demonstrate cultural competence, empathy and awareness of ethical considerations applicable to a range of environmental health issues to effect inclusive environmental health interventions
8. Effectively communicate through a range of different methods and to a range of audiences
9. Respond positively to changes within and to environmental health practice through adaptability, agility and resilience.
10. Demonstrate technological agility to support their curiosity in learning;
11. Reflect on personal and career development.

Teaching/learning methods

Students learn skills through interactive participation in modules, case study analysis, laboratory based learning and data analysis exercises and experiments together with group work and workshops.

Students are encouraged to challenge and discuss concepts. Students must consider options and issues surrounding interventions.

Assessment methods

Cognitive (thinking) skills are assessed by management reports, problem solving activities, essays, and oral examination and laboratory data analysis reports, development of a dissertation and through the apprenticeship end point assessment

Practical skills are assessed by presentation, problem solving exercises, apprenticeship end point assessment and oral examinations. The latter relates to the final year Practical Food Inspection as part of the accreditation of the award with the CIEH.

Graduate competencies

Graduate competencies are integrated into formative and summative assessment. The Professional Practice Preparation module seeks to enhance technological ability, collaboration and innovation in practice and problem solving and delivery. The Communications and Public Health Delivery module seeks to underpin communications, empathy and inclusion to tackle public health as well as supporting resilience and adaptability. Leadership and influence is specifically targeted in the Interventions in occupational Health and Safety module. These skills are developed through written reports, case studies, presentations, and portfolio writing. Skills may also be assessed through online exercises and presentations.

12. Programme structure (levels, modules, credits and progression requirements)

12.1 Structure of the programme

The apprenticeship in Environmental Health is comprised of 360 credits of learning. In each year you will take up to 120 credits of learning and this will enable you to complete your award as a full-time student in 4 years. Modules are delivered as 30 credit modules studied over 12 weeks in either semester 1 or 2. Students who exit the programme having successfully passed 120 credits at year 1 will exit with a certificate of higher education: environmental health

Year 1

Semester 1

BIO1040 Sciences of Environmental and Public Health (30c)

BIO1175 Foundations of Environmental Science (30c)

Semester 2

BIO1280 Environmental and Public Health Stressors (30c)
BIO1025 Introduction to Law and Health Protection (30c)

Year 2

Semester 1

BIO2233 Food Safety and Control (30c)

PRS2250 Housing standards and interventions (30c)

Semester 2

BIO2050 Environmental Protection (30c)

Year 3

Semester 1

BIO3006 Interventions in occupational health and safety (30c)

BIO3305 Food Inspection, Food Standards and Fraud (30c)

Semester 2

CHE2106 Research Methods and Science Innovation (30c)

PRS3460 Communications and Public Health Interventions. (30c)

Year 4

PRS3988 (30c) Dissertation

BIO3240 Professional Practice Preparation (including the End Point Assessment) (30c)

12.2 Levels and modules

Level 4

Compulsory

Students must take all of the following:

BIO1175 Foundations of Environmental Science

BIO1025 Introduction to Law and Health Protection

BIO1040 Sciences of Environmental and Public Health

BIO1280 Environmental and Public Health Stressors

Optional

none

Progression requirements

Students must pass at least 90 credits to progress to Level 5. *To achieve Honours, failed credit will need to be repeated.*

Level 5**Compulsory**

Students must take all of the following:

BIO2233 Food Safety and Control

CHE2106 Research Methods and Science Innovation

PRS2250 Housing Standards and Interventions

BIO2050 Environmental Protection

Optional

None

Progression requirements

Students must have passed at least 210 credits to progress to Level 6.

To achieve Honours, failed credit will need to be repeated.

Level 6**Compulsory**

BIO3006 (30c) Interventions in Occupational Health and Safety

PRS3988 Dissertation

BIO3240 Professional Practice Preparation

PRS3460 Communications and Public Health Interventions.

BIO3305 Food Inspection, Food Standards and Fraud

Optional

None

Progression requirements

Students must pass all modules (330 credits), except BIO3240, in order to be assessed as ready to enter the gateway to the apprenticeship end point assessment.

12.3 non-compensable modules

Module level/ Module code: Level 4/ All modules, Level 5/ BIO2233, BIO2050, PRS2250, Level 6/ All modules

13. Information about assessment regulations

This programme will run in line with general University regulations: <https://www.mdx.ac.uk/about-us/policies> except in relation to compensation: see section 12.3 above in relation to non-compensable modules.

This programme complies with the nationally approved integrated Degree Apprenticeship

Assessment Plan, which can be found at <https://www.instituteforapprenticeships.org/apprenticeshipstandards/>

environmental-health-practitioner. As an integrated Degree Apprenticeship there is no requirement for a separate End-point Assessment (EPA) to complete the apprenticeship. The

requirements for EPA are built into the final stage modules of the Bachelor's degree programme.

The end-point assessment is specifically designed to test the professional competence of the apprentice to undertake the Environmental Health Practitioner job role. The gateway requirement to being able to take the integrated EPA is:

- Completion of all the programme modules
- Successful completion of the module assessments

Achievement of English and Mathematics at level 2 if not achieved prior to the apprenticeship.

The integrated EPA will comprise of the following two components:

1. A Final Written exam
2. A Professional Discussion

The combination of the final work-based project and the panel interview will fully test that the apprentice meets all requirements of the standard.

14. Placement opportunities, requirements and support (if applicable)

As an apprentice you will be employed within an environmental health setting. You will have a mentor at your workplace who will represent the local authority at your Tripartite Review. You will have a number of Tripartite Reviews each year where the university, your employer and you can discuss your progress within your apprenticeship programme.

15. Future careers / progression

On completion of your apprenticeship, you will have developed knowledge, skills and behaviours covering all aspects of professional practice. You will therefore be able to offer employers broad underpinning knowledge and skills. The award has been matched to the needs of a variety of stakeholders and, in particular, operational practice of future environmental and health agencies.

The degree is accredited by the Chartered Institute of Environmental Health (CIEH) and successful completion of the apprenticeship allows students to complete professional qualification pathways that qualify them as Environmental Health Practitioners and demonstrate their skills and competence in professional practice. Those that meet the CIEH professional requirements will be listed on the CIEH professional register.

Students also have the opportunity to continue their academic careers at Middlesex University on the MSc Occupational Safety Health Management awards, MSc Public Health or MSc Sustainability and Environmental Management further enhancing their future career development and opportunities. In addition, the university is expanding the range of doctoral opportunities, both work based and PhDs.

16. Particular support for learning

The University provides a number of points of support for students:

Academic support is provided by the Learning Enhancement Team who advise students on literacy, English language, numeracy and exam technique for example. The Disability and Dyslexia Support Service offers support to students with these needs during their time at Middlesex.

For apprenticeship programmes students are also supported through the online system APTM

There is an on-line learning platform to provide module and programme support.

Sheppard Library provides a wide range of physical and online resources and study spaces

Students will be supported with their coursework and subject understanding in small group tutorials or on a 1:1 basis. Student Learning Assistants provide peer-learning support and can assist students with their work in class, as well as through 1:1 or small group discussion.

All students will have a named Academic Advisor each year who will provide programme support throughout their programme.

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Completion of all the programme modules

- Successful completion of the module assessments
- Achievement of English and Mathematics at level 2 if not achieved prior to the apprenticeship.

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17. HECos code(s) 101317

18. Relevant QAA subject benchmark(s) Health Studies (2019); Earth Sciences, Environmental Sciences and Environmental Studies (2023)

19. Reference points

CIEH Professional Standards Framework

QAA subject benchmarks

QAA Framework for Higher Education Qualifications (2024)

QAA Higher Education in Apprenticeships: Characteristics Statement (2022)

Middlesex University Regulations

Middlesex University Regulations for Apprenticeships

Middlesex University Learning and Quality Enhancement Handbook

Middlesex University 2031 Learning Framework

20. Other information

Indicators of quality:

- Progression statistics and good awards
- Students' feedback
- External examiners communication, both formal reports and other engagement
- Student employability

Academic Professional Panel

Please note programme specifications provide a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve if they take full advantage of the learning opportunities that are provided. More detailed information about the programme can be found in the rest of your programme handbook and the university regulations.

21. Curriculum map for BSc Environmental health (apprenticeship)

This section shows the highest level at which programme outcomes are to be achieved by all graduates, and maps programme learning outcomes against the modules in which they are assessed.

Programme learning outcomes

Knowledge and understanding

A1 Scientific, technological, evidence based, legislative and managerial principles that impact on Environmental Health practice.

A2 Principle environmental and occupational stressors and vectors of diseases and how to control them

A3 How social, cultural, emotional and psychological factors influence environmental health and the health of the public

A4 Hazard analysis, risk assessment organisational culture and management.

A5 Professional scope of practice including the complex political and corporate environment in which environmental health practitioners' practice and the role of leadership, management of change and influencing skills within this practice

A6 Legislation, application of relevant Acts, regulations, guidance and codes of practice, together with the technical and scientific knowledge to effect environmental health interventions in complex situations.

A7 The chemical, biological, physical, social and psychosocial stressors and their implications for health

A8 Comprehensive and detailed knowledge of environmental health intervention areas; Public Health; Food Safety; Health and Safety; Housing and Health; Environmental Protection

A9 Critical awareness of business principles to enable effective advice and guidance to be provided in a range of business contexts.

Skills

B1 Develop audit skills and competently undertake investigations spanning the scope of practice of environmental health and make recommendations on the most appropriate course of action to employ where remedy is required

B2 Apply knowledge of health and environmental stressors on which to develop solutions and appropriate environmental health interventions to a range of environmental health challenges

B3 Carry out appropriate numerical calculations together with the ability to retrieve, collate and interpret information and data gained in variety of contexts and critically evaluate contradictory options to a given problem in complex and unpredictable situations

B4 Critically evaluate the results of an academic investigation and be able to extract data using a range of techniques appropriate to their chosen fields

B5 Synthesise environmental health needs at the individual, neighbourhood and regional level and incorporate political, environmental and social contexts into decision making

B6 Employ regulatory and non-regulatory controls, as appropriate, across the scope of practice and consider the role of partnership working in the development of this practice.

B7 Demonstrate cultural competence, empathy and awareness of ethical considerations applicable to a range of environmental health issues to effect inclusive environmental health interventions

B8 Effectively communicate through a range of different methods and to a range of audiences

B9 Respond positively to changes within and to environmental health practice through adaptability, agility and resilience.

B10 Demonstrate technological agility to support their curiosity in learning

B11 Reflect on personal and career development

Programme outcomes A1 A2 A3 A4 A5 A6 A7 A8 A9 B1 B2 B3 B4 B5 B6 B7 B8 B9 B10 B11

Highest level achieved by all graduates 6

Module Title	Module Code by Level	A1	A2	A3	A4	A5	A6	A7	A8	A9	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11
Sciences of Environmental and Public Health	BIO1040	X										X								X	X
Foundations of Environmental Science	BIO1175	X	X					X				X	X							X	
Introduction to Law and Health Protection	BIO1025	X		X		X							X								
Environmental and Public Health Stressors	BIO1280	X	X	X	X			X				X								X	
Food Safety and Control	BIO2233		X		X		X	X	X		X	X				X					
Research Methods and Science Innovation	CHE2106									X			X	X							
Housing Standards and Interventions	PRS2250		X	X	X	X	X	X	X		X	X			X	X	X	X	X		
Environmental Protection	BIO2050		X		X	X	X	X	X		X	X	X			X					
Interventions in Occupational Health and Safety	BIO3006		X		X	X	X	X	X	X	X	X				X					

Introduction to Law and Health Protection	BIO102 5 (L4)									
Food Safety and Control	BIO223 3 (L5)									
Housing standards and interventions	PRS22 50 (L5)									
Environmental Protection	BIO205 0 (L5)									
Interventions in occupational health and safety	BIO300 6 (L6)									
Food Inspection, Food Standards and Fraud	BIO330 5 (L6)					x				
Research Methods and Science Innovation	CHE21 06 (L6)									
Communications and Public Health Interventions	PRS34 60 (L6)								x	
Dissertation	PRS39 88 (L6)		x	x		x		x		

Professional Practice Preparation (including the End Point Assessment)	BIO3240 (L6)	x	x	x	x	x	x	x	x	x
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Apprenticeship knowledge, skills, behaviours: Evaluation – where and how is evidence of this KSB developed and assessed – indicate module(s) and task

K1 The complex political and corporate environment in which the organisation operates and own role in this

BIO1025 Introduction to Law and Health Protection

PRS3460 Communications and Public Health Interventions

Test, case study, Presentation, case study

K2 The legislative framework and technical application of relevant Acts, regulations, guidance and codes of practice eg. the Environment Act, Environmental Protection Act, the Health and Safety at Work Act, Public Health Acts, Building

Act, Food Hygiene Regulations, Housing Acts, Police and Criminal Evidence Act, data protection legislation, antisocial behaviour legislation etc.

BIO1025 Introduction to Law and Health Protection

BIO2233 Food Safety and Control

BIO2050 Environmental Protection

BIO3006 Interventions in occupational health and safety

PRS2250 Housing standards and interventions

Test, Case study, Case study, exam, Lab portfolio, Management report, Inspection report

K3 The role of the environmental health service in leading on and contributing to the wider public health agenda and the health, safety and wellbeing of local communities

BIO1280 Environmental and Public Health Stressors

PRS2250 Housing standards and interventions

PRS3460 Communications and Public Health Interventions

Presentation, case study, Problem solving Blog, written summary, Inspection report, Health Campaign design

K4 The procedures and practices involved with carrying out evidence and risk-based inspections, audits and investigations

BIO1025 Introduction to Law and Health Protection

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Case study, Portfolio

K5 The full range of statutory and non-statutory interventions to control, mitigate and reduce risk

BIO1025 Introduction to Law and Health Protection
BIO2233 Food Safety and Control
BIO2050 Environmental Protection
BIO3006 Interventions in occupational health and safety
PRS2250 Housing standards and interventions
BIO3240 Professional Practice Preparation (including the End Point Assessment)
BIO3305 Food Inspection, Food Standards and Fraud

Case study, Case study, exam Lab portfolio, Management report, Inspection report, Blog, written summary, Portfolio, Practical exam and viva

K6 The procedures and practices involved in taking a range of enforcement actions

BIO1025 Introduction to Law and Health Protection
BIO3240 Professional Practice Preparation (including the End Point Assessment)

Case study, Portfolio

K7 The procedures and practices involved with granting permits, licences and authorisations

BIO2050 Environmental Protection
PRS2250 Housing standards and interventions
BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio, Inspection report, Portfolio

K8 How to liaise and communicate appropriately with a variety of sources including clients, partner agencies, the public and the media

BIO3240 Professional Practice Preparation (including the End Point Assessment)
PRS3460 Communications and Public Health Interventions

Portfolio, Health Campaign design

K9 The relevance and interpretation of complex/scientific reports, technical guidance, analytical data, research and other forms of evidence

BIO1040 Sciences of Environmental and Public Health
BIO1175 Foundations of Environmental Science
BIO2050 Environmental Protection
CHE2106 Research Methods and Science Innovation
BIO3240 Professional Practice Preparation (including the End Point Assessment)
PRS3988 (30c) Dissertation

Test, Problem solving, Data analysis, Portfolio exercises, Portfolio, Project and viva

K10 The concepts of hazard analysis and risk assessment and their practical application in environmental health

BIO1025 Introduction to Law and Health Protection
BIO2233 Food Safety and Control

BIO2050 Environmental Protection

BIO3006 Interventions in occupational health and safety

PRS2250 Housing standards and interventions

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Case study, Case study, exam, Lab portfolio, Management report, Inspection report, Portfolio

K11 Concepts relating to the natural world, its key biological and ecological systems and how this may affect and be affected by humans; sustainability of resources and their impact on climate and health

BIO1040 Sciences of Environmental and Public Health

BIO1175 Foundations of Environmental Science

BIO1280 Environmental and Public Health Stressors

BIO1040 Sciences of Environmental and Public Health

BIO2050 Environmental Protection

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Test, Problem solving, Data analysis, Presentation, case study, Problem solving Blog, written summary, Lab portfolio, Portfolio, Portfolio

K12 The human world and communities; human made structures, industry and services

BIO1280 Environmental and Public Health Stressors

PRS2250 Housing standards and interventions

PRS3460 Communications and Public Health Interventions

Presentation, case study, problem solving Blog, written summary, Inspection report, Health campaign design

K13 How social, cultural, emotional and psychological factors influence environmental health and the health of the public BIO1280 Environmental and Public Health Stressors

PRS3460 Communications and Public Health Interventions

Presentation, case study, Health campaign design

K14 Concepts of health and disease and how these are measured and assessed

BIO1280 Environmental and Public Health Stressors

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Presentation, case study, problem solving, Portfolio

K15 Environmental stressors and how they impact on different environments and communities

BIO1025 Introduction to Law and Health Protection

BIO1280 Environmental and Public Health Stressors

PRS2250 Housing standards and interventions

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Case study, Presentation, case study, problem solving, Inspection report, Portfolio

K16 The impact of lifestyle choices on the health of individuals and communities

BIO1280 Environmental and Public Health Stressors

PRS2250 Housing standards and interventions

PRS3460 Communications and Public Health Interventions

Problem solving, Blog, written summary, Inspection report, Health campaign design

K17 The principles of environmental microbiology

BIO1040 Sciences of Environmental and Public Health

BIO1175 Foundations of Environmental Science

BIO2233 Food Safety and Control

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Test, Problem solving, Data analysis, Case study, Portfolio

K18 Theories of epidemiology of a range of communicable and non-communicable diseases and their practical application in environmental health

BIO1040 Sciences of Environmental and Public Health

BIO1175 Foundations of Environmental Science

BIO1280 Environmental and Public Health Stressors

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Problem solving, Presentation, case study, Data analysis, Problem solving, Blog, written summary, Portfolio

K19 Anatomy and physiology and how human function can be affected by biological, toxicological and mechanical effect

BIO1040 Sciences of Environmental and Public Health

BIO1175 Foundations of Environmental Science

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Test, Data analysis, Portfolio

K20 The concepts and principles of leadership and application to own practice

PRS3460 Communications and Public Health Interventions

Presentation, case study

K21 A range of quantitative and qualitative data gathering methods and how to appraise and select the optimum method

BIO1040 Sciences of Environmental and Public Health

BIO1175 Foundations of Environmental Science

CHE2106 Research Methods and Science Innovation

PRS3988 (30c) Dissertation

Test, Data analysis, project proposal, Project and viva

K22 The limits of own scope of practice and when to seek advice from others
Point Assessment)

BIO3240 Professional Practice Preparation (including the End

Portfolio

K23 Principles of safeguarding and how to apply them to self and others

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio

K24 The principles of collecting evidence for monitoring, investigations and enforcement purposes including seizure and detention powers, formal sampling procedures and exhibit referencing

BIO1025 Introduction to Law and Health Protection

BIO2233 Food Safety and Control

BIO3006 Interventions in occupational health and safety

BIO3240 Professional Practice Preparation (including the End Point Assessment)

case study, Case study, exam, Management report, Portfolio

K25 Techniques to investigate and resolve complaints

BIO1025 Introduction to Law and Health Protection

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Case study, Portfolio

Skills

S1 Provide specialist, professional and technical environmental health advice and guidance to a range of stakeholders such as residents, businesses, property owners, government agencies and partners

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio

S2 Plan, undertake and lead inspections, audits and other forms of investigations across the breadth of environmental health matters

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio

S3 Evaluate applications and grant relevant licences and permits e.g. environmental permits, HMOs, caravan sites, skin piercing, tattooists etc

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio

S4 Negotiate with and influence a range of stakeholders in relation to a range of environmental health matters

BIO3240 Professional Practice Preparation (including the End Point Assessment)

PRS3460 Communications and Public Health Interventions

Portfolio, Health campaign design

S5 Identify, evaluate and communicate environmental health risks and risk management solutions to a range of stakeholders

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio

S6 Ensure all activities are undertaken in accordance with relevant legislation, guidance and codes of practice

BIO2233 Food Safety and Control

BIO2050 Environmental Protection

BIO3006 Interventions in occupational health and safety

PRS2250 Housing standards and interventions

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Case study, exam, Lab portfolio, Management report, Inspection report, Portfolio, Written exam & Professional discussion

S7 Infer and apply a range of legislation related to environmental health, eg. the Environment Act, Environmental Protection Act, the Health and Safety at Work Act, Food Safety Act, Housing Act, Public Health Act, Police and Criminal Evidence Act, data protection legislation, anti-social behaviour legislation etc

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio Written exam & Professional discussion

S8 Employ a range of research, analytical and problem-solving techniques to resolve environmental health issues through creative and critical thinking, devising practical solutions and applying problem solving strategies BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio

S9 Critically evaluate and analyse evidence and information

BIO2050 Environmental Protection

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Lab portfolio, Portfolio

S10 Formulate judgements and decisions based on the evidence available and applied knowledge e.g. on acceptable levels of pollution emissions, water data, acceptable levels of noise etc

BIO2050 Environmental Protection

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Lab portfolio, Portfolio

S11 Manage objective measurement and analysis of scientific information to determine the appropriate course of action eg. noise measurement, air emissions etc BIO1025 Introduction to Law and Health Protection

BIO1040 Sciences of Environmental and Public Health

BIO1175 Foundations of Environmental Science

BIO2050 Environmental Protection

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Case study, Test, Data analysis, Lab portfolio, Portfolio

S12 Appraise, implement and communicate relevant interventions eg. enforcement actions

BIO1025 Introduction to Law and Health Protection

BIO2233 Food Safety and Control

BIO2050 Environmental Protection

BIO3006 Interventions in occupational health and safety

PRS2250 Housing standards and interventions

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Case study, Exam, Lab portfolio, Management report, Inspection report, Written exam & Professional discussion

S13 Produce accurate records and reports and where appropriate, recommend interventions, including the collection and handling of evidence with a view towards legal proceedings

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio

S14 Assess and deal effectively with difficult and confrontational situations

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio

S15 Participate in health promotional activities in high priority environmental health areas eg. shisha, smoking, obesity, food safety etc

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio

S16 Implement effective decision making, exercising discretion, initiative and independence within the scope of own role

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio

S17 Communicate and influence effectively with a diverse range of stakeholders including spoken and written communication skills, presentation skills, giving advice and guidance / mediating / negotiating and persuading, handling private and sensitive information (eg. data protection)
PRS3460 Communications and Public Health Interventions

Health campaign design

S18 Use a range of standard IT packages to undertake for example, word processing activities, produce reports and input / analyse data
CHE2106 Research Methods and Science Innovation
BIO3240 Professional Practice Preparation (including the End Point Assessment) Data analysis, project proposal

Portfolio

S19 Work as part of a multi-disciplinary and/or multi-organisational team and collaborate to achieve successful outcomes
BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio

S20 Lead activities relating to environmental health matters
BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio

S21 Carry out sampling and collect evidence for monitoring, investigations and/or enforcement purposes in accordance with legislation and current guidance
BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio

S22 Examine and assess compliance with conditions
BIO2050 Environmental Protection
PRS2250 Housing standards and interventions
BIO3240 Professional Practice Preparation (including the End Point Assessment)
BIO3305 Food Inspection, Food Standards and Fraud

Lab portfolio, Inspection report, Portfolio, Practical exam and viva

S23 Plan, organise and prioritise workload to meet deadlines
BIO3240 Professional Practice Preparation (including the End Point Assessment)
PRS3988 (30c) Dissertation

Portfolio, Project and viva

Behaviours

B1 Be positive, creative and innovative within complex environments in professional practice

BIO3240 Professional Practice Preparation (including the End Point Assessment)
Portfolio, Written exam, Professional discussion

B2 Be adaptive to a changing operational and political environment

PRS3988 (30c) Dissertation

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Project and viva, Written exam & Professional discussion

B3 Be collaborative with a diverse range of stakeholders

PRS3988 (30c) Dissertation

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio, Project and viva, Professional discussion

B4 Be self-motivated and committed to leading own professional development

BIO3305 Food Inspection, Food Standards and Fraud

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio, Practical exam, Professional discussion

B5 Be assertive in appropriate situations to communicate and influence effectively

PRS3988 (30c) Dissertation

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio, Project and viva, Written exam & Professional discussion

B6 Show discretion in professional practice

PRS3988 (30c) Dissertation

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Project and viva, Portfolio, Written exam & Professional discussion

B7 Be resilient and self-aware

BIO3240 Professional Practice Preparation (including the End Point Assessment)

Portfolio, Written exam & Professional discussion

B8 Operate with dignity and respect, maintaining impartiality/fairness/equality

PRS3460 Communications and Public Health Interventions
BIO3240 Professional Practice Preparation (including the End Point Assessment)
Health campaign design, Written exam & Professional discussion

B9 Champion own organisation's values and goals
BIO3240 Professional Practice Preparation (including the End Point Assessment)
Portfolio, Written exam & Professional discussion