BSc with Honours in Environmental Science and Technology – 2018 entry

Duration of programme: 4 years (where students join the programme in year 1)

Award on successful completion: Bachelor of Science with Honours

Location of delivery: Abertay University, Bell Street, Dundee

Composition of the programme: 120 SCQF (Scottish Credit and Qualifications Framework) credits in each academic year, delivered in modules of 20 credits each, with 3 modules taken in term 1, and 3 in term 2 each year. In years 1 and 2, students have the opportunity to take modules outside their main subject. Students complete a 60-credit independent project in the final year.

Contact hours and workload: Each academic year typically requires 1200 hours of student effort; on average across the 4 years of this programme, 29% of that time is in lectures, seminars, practicals and similar activities; the remainder is independent study.

Assessment methods: Assessments will combine a variety of methods including coursework, group work and oral presentation. Formal examination will also be considered for assessing the different learning outcomes, representing approximately 50% of the overall programme assessment.

Academic staff: This programme is delivered by staff in the Division of Science and Division of Natural and Built Environment in the School of Science, Engineering and Technology. Staff profiles can be viewed at http://www.abertay.ac.uk/studentlife/schools/set/staff/

Core modules in the programme:
Foundations of Chemistry
Introduction to Environmental Sciences
Landscape Process and Surveying
Environmental Data Handling
Environmental Science and Human Interactions
Investigative Analytical Science
Environmental Physiology and Epidemiology
Environmental Monitoring
Contemporary and Emerging Technologies in Environmental Sciences
Stakeholders in the Environment
Environmental Modelling
Waste and Waste Water Management
Honours Project
Other modules that may be offered, but are subject to change over time:
Principles in Biology and Ecology
Food-Water-Energy-Environment Nexus
Food Security
Climate Change
Geostatistics, Modelling and Visualisation

Developments in the discipline: It is important to note that the curriculum within all modules, including core modules, is expected to evolve over time, to maintain a real world connection as new scientific, social and diagnostic paradigms and tools come to the fore. This may, for example, include new understanding of processes affecting climate change or developments in energy production, or alteration to teaching to reflect changes in competencies outlined by industry bodies.