Programme Specification

Business Computing {Foundation} [GCET]

Version: 2023-24, v1.0, 26 Jan 2023

Contents

Section 1: Key Programme Details

Part A: Programme Information

Programme title: Business Computing {Foundation} [GCET]

Highest award: DipHE Business Computing

Interim award: CertHE Business Computing

Awarding institution: UWE Bristol

Affiliated institutions: Global College of Engineering and Technology (GCET)

Teaching institutions: Global College of Engineering and Technology (GCET)

Study abroad: No

Year abroad: No

Sandwich year: No

Credit recognition: No

Department responsible for the programme: FET Dept of Computer Sci & Creative Tech, Faculty of Environment & Technology

Contributing departments: Not applicable

Professional, statutory or regulatory bodies: Not applicable

Apprenticeship: Not applicable

Mode of delivery: Full-time

Entry requirements: For the current entry requirements see the UWE public website.

For implementation from: 01 October 2023

Programme code: N1IC00

Section 2: Programme Overview, Aims and Learning Outcomes

Part A: Programme Overview, Aims and Learning Outcomes

Overview: This programme requires students to develop abilities in business skills, computer science and data analytics in order to fulfill the emerging roles in the field of data analytics within organisations. Data production is quickly outpacing organisations' abilities to benefit from it to generate intelligence and insight. Students are therefore expected to develop proficiency in identifying and specifying data analytics projects, gathering/organizing/linking data, designing user interaction, undertaking data analysis, develop information systems to gain business insight and finally communicating results to stakeholders. It provides a solid foundation for lifelong learning, emphasizing the development of knowledge, skills and professional values.

Educational Aims: The programming has the following general aims:

To produce graduates with a balance of domain knowledge, a practical awareness of coding, tools and data extraction and transformation.

To provide students with a broad background of business operations, procedures and culture applicable to a career in an IT environment

To inculcate in students problem-solving and other transferable skills that will be valuable to them in any career

To develop students' knowledge and practical skills to select and employ appropriate techniques and methods for understanding and developing information systems in business contexts

To continue the development of those general study skills that will enable students to become independent, lifelong learners

The programming has the following specific aims:

To provide a coherent and broad based coverage of the theory of data analytics and its application to practical problems

To provide insight into the range of business areas and specific domains where analytics may be applied to available data in order to further organizational goals;

To develop both personal and inter-personal skills to enable students to work closely and communicate with others

To provide students with a set of problem-solving, modeling and analytics skills appropriate to IT related business systems development and operations

The ability to work in an analytic role within cross-disciplinary teams.

To encourage students to uphold professional, ethical and social standards and to keep up to date with recent technological and theoretical developments

The use of real datasets, case studies and industry challenges to ensure the currency and relevance of material provided and to help contextualize course content.

Programme Learning Outcomes:
On successful completion of this programme graduates will achieve the following learning outcomes.

Programme Learning Outcomes

PO1. Understand the application of digital technologies in business and can apply appropriate digital technologies, techniques and principles to research, design and implement digital systems to support business.

PO2. Consider the business context, including business models, different organisational structures, roles and relations and approaches to leadership and management to support technology enabled change initiatives.

PO3. Apply knowledge, concepts, and techniques of business analytics to offer solutions to business problems.

PO4. Be able to use their technical knowledge and skills to contribute to and deliver innovation through evidence-based enquiry.

PO5. Consider security in an organisational context, conduct a risk assessment, plan appropriate actions and design a system to manage them for a defined business context.

PO6. Respond to, and act upon the ethical, legal and professional implications of situations which they may encounter during their professional lives.

PO7. Acquire a range of professional interpersonal skills required to be effective in in business, recognising that effective technology exploitation is achieved as a result of a dynamic and interactive team-based approach, the need to adhere to deadlines, communication, and effective evaluation.

Part B: Programme Structure

Year 1

The student must take 120 credits from the modules in Year 1.

Year 1 Compulsory Modules

The student must take 120 credits from the modules in Compulsory Modules.

Module Code	Module Title	Credit
UFCFQN-30-0	Computational Thinking and Practice 2023-24	30
UFCFPN-30-0	Information Practitioner Foundations 2023-24	30
UFCE4A-15-0	Introduction to Creative Technologies 2023-24	15
UFME49-15-0	Introduction to Digital Design 2023-24	15
UFCFTN-30-0	Web Foundations 2023-24	30

Year 2

The student must take 120 credits from the modules in Year 2.

Year 2 Compulsory Modules

The student must take 120 credits from the modules in Compulsory Modules.

Module Code	Module Title	Credit
UFCFP3-30-1	Business Applications 2024-25	30
UFCFR3-30-1	Information Technology 2024-25	30
UFCF83-30-1	IT Practice: Skills, Models and Methods 2024-25	30
UMAD4U-15-1	Understanding Business and Financial Information (Business, International and Management) 2024-25	15
UMODDP-15-1	Understanding Organisations and People (Marketing, Events and Tourism) 2024-25	15

Year 3
The student must take 120 credits from the modules in Year 3.

Year 3 Compulsory Modules
The student must take 120 credits from the modules in Compulsory Modules.

Module Code	Module Title	Credit
UFCFV4-30-2	Data, Schemas and Applications 2025-26	30
UFCFKM-30-2	Foundation of Business Analytics 2025-26	30
UFCFN6-30-2	IT Practice: Collaborative Project 2025-26	30
UFCFG6-30-2	Project Management 2025-26	30

Part C: Higher Education Achievement Record (HEAR) Synopsis

This programme requires students to develop abilities in business skills, computer science and data analytics in order to fulfill the emerging roles in the field of data analytics within organisations. Data production is quickly outpacing organisations' abilities to benefit from it to generate intelligence and insight. Students are therefore expected to develop proficiency in identifying and specifying data analytics projects, gathering/organizing/linking data, designing user interaction, undertaking data

analysis, develop information systems to gain business insight and finally communicating results to stakeholders. It provides a solid foundation for lifelong learning, emphasizing the development of knowledge, skills and professional values.

Part D: External Reference Points and Benchmarks

The following reference points and benchmarks have been used in the in the design of the programme:

The Subject Benchmarking Statements for the computing field (http://www.qaa.ac.uk/en/Publications/Documents/SBS-Computing-16.pdf) was consulted in designing this programme. The skills recommended for computing students cover three broad categories:
computing-related cognitive skills, computing-related practical skills and generic skills for employability. The design of the programme has ensured that the skills specified for each category (and relevant to this programme) is incorporated within existing or new modules for the programme.

Additionally, the Subject Benchmarking Statements for the Business and Management field (http://www.qaa.ac.uk/en/Publications/Documents/SBS-business-management-15.pdf) was also consulted with the aim of incorporating knowledge and understanding of some of the areas
recommended for business students as well as some of the key practical skills relevant for this programme.

QAA UK Quality Code for HE
Framework for higher education qualifications (FHEQ)
Subject benchmark statements

Strategy 2020
University policies

Part E: Regulations

Approved to University Regulations and Procedures.