SECTION 1: KEY PROGRAMME DETAILS

PART A: PROGRAMME INFORMATION	
Highest Award	BSc (Hons) Business Computing
Interim Award	BSc Business Computing
Interim Award	DipHE Business Computing
Interim Award	CertHE Business Computing

Awarding Institution	UWE Bristol
Teaching Institution	UWE Bristol
Delivery Location	Frenchay Campus
Study Abroad / Exchange / Credit Recognition	Placement X Sandwich Year X Credit Recognition X Year Abroad X
Faculty Responsible For Programme	Faculty of Environment & Technology
Department Responsible For Programme	FET Dept of Computer Sci & Creative Tech
Apprenticeships	
Mode of Delivery	Full-time

ENTRY REQUIREMENTS	UCAS Tariff Points: For the current entry requirements see the UWE public website.
For Implementation From	1 Sep 2021
ISIS Code/s	Programme Code N1IA13-SEP-FT-FR-N1I1 Other codes:

	JACS Computer science HECoS 100000: Undefined UCAS SLC

SECTION 2: PROGRAMME OVERVIEW, AIMS and LEARNING OUTCOMES

PART A: PROGRAMME OVERVIEW, AIMS and LEARNING OUTCOMES

1. (Programme) Overview (c. 400 words)

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.

2. Educational Aims (c. 4-6 aims)

The BSc Business Computing 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 BSc Business Computing 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.

PART A: PROGRAMME OVERVIEW, AIMS and LEARNING OUTCOMES

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.

3. Programme and Stage Learning Outcomes (c. 6-8 outcomes)

Programme (Learning) Outcomes (POs)

Knowledge and Understanding

A1	The function of different business units and the value of intelligence to business efficiency and strategy
A2	Business organization, operations, finance, human resource management and strategic issues and the relationship to Information Systems.
A4	The value of data to businesses, consumers and the economy as a whole, and the major mechanisms through which value is created from data
A5	Selection and application of statistical methods and statistical inference
A6	Application and evaluation of machine learning and text mining techniques
A7	Theoretical and contemporary issues surrounding business in general and business analytics in particular
A8	Knowledge and understanding of investigative techniques in business analytics
A9	Ethical, legal and professional issues in data-related work
A10	Programming language concepts; syntax and semantics; top-down development; programming to satisfy designs
A11	Relational databases; logical and physical database design; database query languages' data schemas
A12	Being professional in a technical environment

Intellectual Skills

B1	Problem formulation and problem solving
B2	Analysis and Critical Thinking
B3	Synthesis of different types of information
B4	Evaluation
B5	Balance conflicting objective
B6	Ability to make decision In a variety of context

Subject/Professional Practice Skills

C1	Use of data analysis tools and libraries for data retrieval, manipulation, storage and transformation
C2	Employ a range of tools and notations to support the activities listed above; e.g. editors, compilers, design workbenches, HTML, CGI, Java etc
C3	Analyse problems and develop solutions using leading ideas and techniques
C4	Model business systems and solutions using standard tools and techniques
C5	Apply descriptive, predictive, and prescriptive analytics techniques on structured, semi-structured and unstructured data to extract patterns, forecast trends, run what-if scenarios, and determine the optimal course of action
C6	Model and design procedures, data structures, information systems
C7	Visualisation and communication of results

PART A: PROGRAMME OVERVIEW, AIMS and LEARNING OUTCOMES

Transferable Skills and other attributes

D1	Team working
D2	Interdisciplinary working
D3	Communication skills
D4	Progression to independent learning
D5	Comprehension of professional literature; to read and use literature sources appropriate to the discipline to support learning activities

PART B: Programme Structure

1. Structure

Year 1

Year 1 Compulsory Modules

Code	Module Title	Credit	Type
UFCFQN-30-0	Computational Thinking and Practice 2021-22	30	Compulsory
UFCFRN-30-0	Creative Technology Studies 2021-22	30	Compulsory
UFCFPN-30-0	Information Practitioner Foundations 2021-22	30	Compulsory

UFCFTN-30-0	Web Foundations 2021-22	30	Compulsory

Year 2

Year 2 Compulsory Modules

Code	Module Title	Credit	Type
UFCFP3-30-1	Business Applications 2022-23	30	Compulsory
UFCFR3-30-1	Information Technology 2022-23	30	Compulsory
UFCF83-30-1	IT Practice: Skills, Models and Methods 2022-23	30	Compulsory
UMAD4U-15-1	Understanding Business and Financial Information (Business, International and Management) 2022-23	15	Compulsory
UMODDP-15-1	Understanding Organisations and People (Marketing, Events and Tourism) 2022-23	15	Compulsory

Year 3

Year 3 Compulsory Modules

Code	Module Title	Credit	Type
UFCFV4-30-2	Data, Schemas and Applications 2023-24	30	Compulsory
UFCFKM-30-2	Foundation of Business Analytics 2023-24	30	Compulsory
UFCFN6-30-2	IT Practice: Collaborative Project 2023-24	30	Compulsory

Year 3 Optional Modules

Code	Module Title	Credit	Type
UFCFX3-15-3	Advanced Topics in Web Development I 2023-24	15	Optional

UMKD6M-15-2	Integrated Marketing Communications 2023-24	15	Optional
UFCFB6-30-2	Object-Oriented Systems Development 2023-24	30	Optional
UFCFG6-30-2	Project Management 2023-24	30	Optional
UFCFD5-15-3	Technical Writing and Editing 2023-24	15	Optional

Year 4

Year 4 Compulsory Modules
Students must take 75 credits from Compulsory Modules.

Code	Module Title	Credit	Type
UFCFMM-30-3	Business Intelligence and Data Mining 2024-25	30	Compulsory
UFCFB5-15-3	Ethical and Professional Issues in Computing and Digital Media 2024-25	15	Compulsory
UFCFRB-15-3	Security Management in Practice 2024-25	15	Compulsory
UFCFLM-15-3	Sustainable Business and Computing 2024-25	15	Compulsory

Year 4 Compulsory Option Module Choices
Students must choose ONE of the following modules:

Code	Module Title	Credit	Type
UFCFM5-30-3	Information Systems Dissertation 2024-25	30	Compulsory
UFCFFF-30-3	Software Development Project 2024-25	30	Compulsory

Year 4 Optional Modules
Students must take 15 credits from:

Code	Module Title	Credit	Type
UMKDMQ-15-3	Digital Marketing Communication 2024-25	15	Optional

UFCF95-15-3	Entrepreneurial Skills 2024-25	15	Optional
UFCFVJ-15-3	Professional Development 2024-25	15	Optional
UFCFM6-15-3	Requirements Engineering 2024-25	15	Optional

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 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 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

The programme includes the level 3 ethics and professional issues module and the individual project, making it a candidate for BCS accreditation.

PART E: REGULATIONS

Approved to University Regulations and Procedures