Programme Specification

Information Technology {Dual}[Taylors]

Version: 2024-25, v3.0, Validated

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Section 1: Key Programme Details

Part A: Programme Information

Programme title: Information Technology {Dual}[Taylors]

Highest award: BSc (Hons) Information Technology

Interim award: BSc Information Technology

Awarding institution: Taylor's, UWE Bristol

Affiliated institutions: Taylor's

Teaching institutions: Taylor's

Study abroad: No

Year abroad: Yes

Sandwich year: No

Credit recognition: No

School responsible for the programme: CATE School of Computing and Creative Technologies, College of Arts, Technology and Environment

Professional, statutory or regulatory bodies: Not applicable

Modes of delivery: Full-time

Entry requirements: For the current entry requirements see the Taylor's University public website.

For implementation from: 01 September 2024

Programme code: I10300

Section 2: Programme Overview, Aims and Learning Outcomes

Part A: Programme Overview, Aims and Learning Outcomes

Overview: This dual award is designed for students who have successfully completed studies at FHEQ levels 4 and 5 at Taylor's University in the Bachelors degree in IT.

The BSc IT at UWE is a final year “top-up” programme (G560). The programme specification only includes specified modules for the final year.

For the FHEQ levels 4 and 5 on the dual award with Taylor's University a set of computing related stage learning outcomes (SLOs) provide guidance on the teaching and learning outcomes at each level to be achieved for progression. They can be found under the outcome tab in CMT.

The SLO's are not exclusive and allow specialist modules to be taken at FHEQ level 5 on the Bachelors in IT at Taylor's University.

In the final year students at TU have a choice of a conventional mode with a Capstone Project 1 and 2 or to be assessed against the same learning outcomes through work based learning through Industrial Project 1 and 2 with reports, both of which are mapped to UWE's Computing project.

The Taylor's University Bachelors is mapped against the UWE programme structure set out in the Structure tab in CMT. The mapping document is contained under the documents tab and dated May 2021.

The Bachelors of Information Technology at Taylor’s University, including its specialisms at levels 4 and 5, meet the requirements of the stage learning outcomes. The final year of the programme has been mapped to the final year of the BSc IT at UWE enabling the award of the dual award. It also allows TU students to join UWE for their final year. Completion of the programme enables students to be awarded the dual award of BSc IT (UWE)and Bachelors in IT (Taylor's University).

Features of the programme: The delivery of the programme at Taylor's University allows students to take specialist modules in Business Intelligence and Analytics and Game Design in FHEQ level 5.

Educational Aims: In particular this Award aims to:

Provide a broad-based coverage of the theory and practice of aspects of Information Technology.

Instil the practical skills necessary both for initial employment within the industry and for communicating with and comprehending other professionals in the application domain.

Develop understanding of the role, capabilities and limitations of IT and to enable students to evaluate and select appropriate solutions.

Encourage students to uphold general professional, ethical and social standards and to keep up-to-date with recent technological and theoretical developments.

Provide exposure to the body of research that underlies the use of computers and development of information technology.

Provide sufficient knowledge of how organisations function to enable the student to pursue a management career in a range of organisations.

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

Programme Learning Outcomes

PO1. Apply fundamental principles and technical skills in areas such as programming, data, web, and IT project management to analyse, design, and implement IT solutions.

PO2. Evaluate and select appropriate technologies and tools to solve complex IT problems, considering their capabilities, limitations, and suitability for different contexts.

PO3. Design, develop, and maintain secure, scalable, and robust software applications and systems, adhering to industry best practices and standards.

PO4. Analyse, interpret, and visualize data using appropriate tools and techniques.

PO5. Collaborate effectively, demonstrating strong interpersonal, communication, and leadership skills, to manage IT projects successfully from initiation to completion.

PO6. Evaluate the social, ethical, legal, and professional implications of emerging technologies and IT practices, and promote responsible and sustainable use of technology.

PO7. Engage in continuous learning and professional development to stay current with the rapidly evolving field of information technology.

Stage 4 Learning Outcomes

4ST1. Demonstrate a sound understanding of the core concepts of computing including hardware, software, operating systems and networks.

4ST2. Understand fundamental database concepts including analysing, designing, defining, constructing and manipulating relational database systems.

4ST3. Demonstrate an understanding and use of web design or web development tools.

4ST4. Use an object-oriented programming language to write simple programs.

4ST5. Show knowledge, understanding and appraisal of information technology including hardware, software, networking, data and systems development.

Stage 5 Learning Outcomes

5ST1. Demonstrate an understanding of computer and wireless networks.

5ST2. Demonstrate an understanding of computer operating systems.

5ST3. Understand the fundamental principles of computer security.

5ST4. Design and implement database solutions for various application areas and to build queries for users' needs, based on analysis of data modelling problem specifications.

5ST5. Design and implement a basic web-based information system.

5ST6. Demonstrate key transferable skills in problem evaluation and problem solving.

5ST7. Show an understanding of trends, developments and the use of development tools in a variety of elective areas in computing and IT such as business intelligence, artificial intelligence, games design and development, user interface design, project management.

Assessment strategy: Approved to University Regulations and Procedures

Student support: Student support and guidance services are available at Taylor's University. Students progressing to UWE for their final year have full access to all support and well being services.

Part B: Programme Structure

Year 1
Full time students will study Taylor's modules that are mapped to 120 credits of Stage learning outcomes at level 4 in year 1.

Year 1 Compulsory Modules
Full time students must study Taylor's modules that are mapped to 120 credits of Stage learning outcomes at level 4.

Module Code	Module Title	Credit
UFAFDR-120-1	Level 4 Dual Award credits FET 2024-25	120

Year 2
Full time students must study Taylor's modules that are mapped to 120 credits of Stage learning outcomes at level 5 in year 2.

Year 2 Compulsory Modules
Full time students must study Taylor's modules that are mapped to 120 credits of Stage learning outcomes at level 5.

Module Code	Module Title	Credit
UFAFER-120-2	Level 5 Dual Award credits FET 2025-26	120

Year 3
Full time students must either:

- study Taylor's modules that are mapped to 120 credits of UWE modules in Year 3.

- Study 120 credits of UWE modules at UWE in Year 3.

Year 3 Compulsory Modules (Studied at Taylors)
Full time students must study Taylor's modules that are mapped to 120 credits of UWE modules

Module Code	Module Title	Credit
UFCEEV-30-3	Professional and Academic Skills 2026-27	30
UFCF95-15-3	Entrepreneurial Skills 2026-27	15
UFCFLM-15-3	Sustainable Business and Computing 2026-27	15
UFCFQ5-30-3	Interaction Design 2026-27	30
UFCFM5-30-3	Information Systems Dissertation 2026-27	30

Year 3 Compulsory Modules (Studied at UWE)
Full time students must study 60 credits from the modules in Compulsory modules (Studied at UWE)

Module Code	Module Title	Credit
UFCEEV-30-3	Professional and Academic Skills 2026-27	30
UFCFM5-30-3	Information Systems Dissertation 2026-27	30

Year 3 Optional Modules 2 (Studied at UWE)
Full time students must study 60 credits from the modules in Optional Modules 2 (Studied at UWE)

Module Code	Module Title	Credit
UFCFQ5-30-3	Interaction Design 2026-27	30
UFCFMM-30-3	Business Intelligence and Data Mining 2026-27	30
UFCE3R-30-3	Big Data Analytics 2026-27	30
UFCE3P-30-3	Essentials and Applications of Artificial Intelligence 2026-27	30
UFCF95-15-3	Entrepreneurial Skills 2026-27	15
UFCFLM-15-3	Sustainable Business and Computing 2026-27	15

Part C: Higher Education Achievement Record (HEAR) Synopsis

The primary aim of this programme is to provide a dual award in IT to students at Taylor's University. It is a three year programme at TU mapped to the UWE top-up programme through stage learning outcomes at FHEQ levels 4 and 5 and to modules on the final year.

The programme provide students with the mix of skills and capabilities for the analysis, specification, design and delivery of IT systems. A substantial part of the final year of the programme are the two core project modules. They provide a solid foundation for lifelong learning, emphasizing the development of knowledge, skills and professional values essential to the practice of systems development.

A variety of delivery methods will be used to; advance knowledge through higher-level, subject-specific studies in areas of particular and current relevance.

The programme develops technically competent individuals who think and communicate effectively and who can conduct inquiry, solve problems, undertake critical analysis and deliver effective software systems solutions in a constantly changing business context.

Part D: External Reference Points and Benchmarks

This programme is in compliance with the University's priorities set out in the 2020 strategy. Students experience engaging and outstanding learning, teaching and support services throughout their student journey, fully utilising advances in technology to support their academic, professional and social growth and development.

In particular this programme is designed to follow and to support the partnership strategy. The programme provides further education opportunities for students who completed their studies at the local colleges. The programme leader has close collaborations with the regional colleges to promote the University's reputation. The programme is also designed with a flexible model to enable partnership colleges (in particular international partners) to customise our generic programme to tailor to their local demands and provisions.

The programme leader has had in depth conversations with staff and students from a local college. We have also consulted the International partnership coordinator.

Part E: Regulations

Approved to University Regulations and Procedures.