Course Specification

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Core Information

Awarding Body / Institution:	University of Wolverhampton		
School / Institute:	School of Mathematics and Computer Science		
Course Code(s):	CS038Z31UM	Part-time	1 Years
Course Title:	Undergraduate Credit in Digital Innovation		
Hierarchy of Awards:			
Language of Study:	English		
Date of DAG approval:	14/Mar/2023		
Last Review:			
Course Specification valid from:	2022/3		
Course Specification valid to:			

Academic Staff

Course Leader:	Dr Vinita Nahar
Head of Department:	

Course Information

Location of Delivery:	University of Wolverhampton
Category of Partnership:	Not delivered in partnership
Teaching Institution:	University of Wolverhampton
Open / Closed Course:	This course is open to all suitably qualified candidates.

Entry Requirements:

Entry requirements are subject to regular review. The entry requirements applicable to a particular academic year will be published on the University website (and externally as appropriate e.g. UCAS

Accessing Level 5 Modules

Academic: Level 3 qualifications are accepted for entry. A minimum of 48 UCAS Tariff points will be required.

Work-based: We also give equal consideration to applicants who are currently in work and wish to apply. To apply, you must have a minimum of 12 months' work experience. Your application must also include a reference from your line manager supporting your entry.

Accessing Level 6 Modules

Level 3 qualifications are accepted for entry. A minimum of 72 UCAS Tariff points will be required.

Successful completion of the Level 5 modules will also allow candidates to access modules at Level 6.

Work-based: We also give equal consideration to applicants who are currently in work and wish to apply. To apply, you must have a minimum of 24 months' work experience. Your application must also include a reference from your line manager supporting your entry.

Distinctive Features of the Course:

The course is distinctive because it has been derived from modules from the existing Undergraduate degree in computing areas that have been modified based on employer and sector input to reflect the changing needs of sector employees. The course reflects the changing demands of employees linked to innovations in the sector and relevant digital practices. The core feature of this course is the link between emerging trends and theoretical concepts and their application in real-life practice, situations and problems in the digital and computing sectors.

These modules are designed to upskill and reskill existing employees to improve their digital and computing capabilities.

Educational Aims of the Course:

The course comprises two modules and students can choose to take one or both. Each module has been designed with flexible delivery in mind to meet the diverse needs of employers and to suit a range of different learners (e.g., those in employment or with caring responsibilities).

The level 6 module will require approval from the course team based on prior experience or employment history.

Each module will offer the opportunity to learn from lecturers who have extensive experience of working in a range of contexts within the sector.

For the module 5CS043 Network Security, through hands-on practical tasks, you will be provided with awareness of the potential threats that are continuously experienced in computer networks today. You will

examine the fundamentals of network security and will cover topics such as active and passive attacks on networks and how to protect them. You will also learn valuable skills and experience regarding steps to take to avoid a range of security-related problems on a computer network. Through the use of work-related scenarios and case studies this module will provide you with the awareness of the potential threats that are continuously experienced in computer networks today.

The educational outcomes of this module are:

LO1 - Demonstrate a high level knowledge of the concepts, approaches and technologies involved in IT security.

LO2 - Configure security equipment, and/or apply knowledge to secure a system.

LO3 - Evaluate different types of network security issues in industry and provide sensible solutions to these threats/problems.

For the module 6CS055, Internet of things, you will learn about wired and wireless communications technologies and routing protocols, security of embedded systems, sensor networks and integration with the cloud. All concepts will be linked to industry-related scenarios

The educational outcomes of this module are:

LO1 – Design, implement and test secure embedded systems for industry related scenarios

LO2 – Evaluate and select routing protocols for practical tasks

LO3 – Demonstrate an understanding of complex control systems

LO4 – Apply control and communications systems for industry-based scenarios

Intakes:

May

Major Source of Funding:

Office for Students (OFS)

Tuition Fees:

Tuition fees are reviewed on an annual basis. The fees applicable to a particular academic year will be published on the University website.

Year	Status	Mode	Amount
No related data			

PSRB:

None

Course Structure:

Please note: Optional modules might not run every year, the course team will decide on an annual basis which options will be running, based on student demand and academic factors, to create the best learning experience.

Learning, Teaching and Assessment

Academic Regulations Exemption:

This course has an exemption from clause 1.2.3 of the Academic Regulations

In order to meet the OfS requirements, this course will be delivered outside of the standard academic calendar. The specific information relating to the delivery dates for the course will be made available to applicants/students

This course has an exemption from clause 1.3.1 of the Academic Regulations

In order to meet the OfS requirements, this course is made up of 30 credit modules.

Approved by AFRSC on 9th March 2023.

Reference Points:

UK Quality Code for Higher Education

Qualifications and Credit Frameworks

Subject Benchmark Statements

University Policies and Regulations

Equality Act (2010)

Overview of Assessment:

As part of the course approval process, the course learning outcomes were mapped to each of the modules forming the diet of the programme of study. This process confirmed that all course learning outcomes can be met through successful completion of the modules. This mapping applies to the final award as well as to all of the intermediate awards.

Learning Outcomes	Modules

Teaching, Learning and Assessment:

These modules consist of lectures, workshops, work-based learning and practical sessions. All teaching materials will be available on the University's Virtual Learning Environment - Canvas.

Each week, these modules will have theoretical and practical sessions where tutors will support learners with practical work.

These modules are assessed by portfolio with individual work-related tasks building on the underpinning theoretical concepts.

Assessment Methods:

At the University of Wolverhampton, a variety of modes of assessment will be used to support and test your learning and progress and to help you develop capabilities that are valued beyond your University studies and into your working life. Your course may include a variety of assessment activities:

Written examinations (including online examinations, open and closed book examinations and quizzes)
Coursework (for example, essays, reports, portfolios, project proposals and briefs, CVs, poster presentation)
Practical (for example, oral and video presentations, laboratory work, performances, practical skills assessment)

In the final year of your undergraduate degree, and at the end of your postgraduate degree, you are likely to be expected to write an extended piece of work or research, such as a dissertation or a practice-based piece of research.

Student Support:

General University support:

University Libraries are the key source of academic information for students. Learning Centres provide physical library resources (books, journal, DVDs etc.) and offer a range of study areas to allow students to study in the environment that suit them best: Social areas, quiet and silent areas. Libraries also provide access to wide range of online information sources, including eBooks, e-Journals and subject databases.

Libraries also provide students with academic skills support via the Skills for Learning programme. Students on campus can attend workshops or ask for one-to-one help on a range of skills such as academic writing and referencing. Students can access a range of online skills material at: www.wlv.ac.uk/lib/skills.

The University also has a host of other services to support you, please take a look at the Student Support website: www.wlv.ac.uk/current-students/student-support/ . If you have any questions, need help or advice then ASK@WLV is there for you: https://www.wlv.ac.uk/current-students/student-support/askwlv/.

Employability in the Curriculum:

We have excellent links with local employers and community organisations which can give you a great chance to develop the skills, attributes and experience that you need to pursue your career. You can also add value to your time at the university by taking up some of the opportunities on offer.

We will help you to:

- Develop employability skills
- Gain relevant experience
- Build a portfolio of evidence
- Research career choices and prepare for employment
- Develop employability skills

Proficiency in skills such as team-working, communication, numeracy and IT is the expected baseline for any graduate. The assessment methods used on your course are designed to develop and extend these skills. Working to deadlines will improve your time management, prioritising and planning skills.