

Overview

Programme Code	36663
Programme Title	Computing
Awarding Institution	Liverpool John Moores University
Programme Type	Level 3/4/5 Qualification

Awards

Award Type	Award Description	Award Learning Outcomes
Target Award	Higher National Certificate - HNC	N/A

Alternate Award Names	
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Partner Name	Partnership Type
Nelson and Colne College Group	Validated

External Benchmarks

Subject Benchmark Statement	UG-Computing (2019)
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Programme Offering(s)

Mode of Study, Mode of Delivery	Intake Month	Teaching Institution	Programme Length Programme Length Unit
Part-Time, Face to Face	January	Nelson Campus, Nelson and Colne College	2 Years
Part-Time, Face to Face	September	Nelson Campus, Nelson and Colne College	2 Years

Aims and Outcomes

Educational Aims of the Programme	<ul style="list-style-type: none"> • To provide students with the knowledge, skills, techniques and behaviours needed to support a career as a professional in computing • To provide a structured ladder of progression including well-rounded and valuable qualification at levels 4 and 5, tailored to the needs of local and regional employers, and supporting progression routes to level 6 and beyond. • To provide students with the maximum practicable flexibility of study (in terms of study mode, timescales and recognition of prior learning) thus enabling them to match their study commitments to personal needs and aspirations.
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Learning Outcomes

Code	Number	Description
PLO1	1	Demonstrate knowledge and understanding of essential facts, concepts, principles and theories relating to computing and computer applications.
PLO2	2	Understand and meet the needs of individuals, business and the community, and to understand how workplaces and organisations are governed.
PLO3	3	Recognise factors in environmental and societal contexts relating to the opportunities and challenges created by computing systems across a range of human activities
PLO4	4	Demonstrate an understanding of practical constraints and computer-based systems in their context; recognise and analyse criteria and specifications appropriate to specific problems, and plan strategies for their solutions.
PLO5	5	Demonstrate an ability to specify, design and construct reliable and usable computer solutions.
PLO6	6	Deploy appropriate theory, practices and tools for the specification, design, implementation and evaluation of computer-based systems
PLO7	7	Analyse the extent to which a computer-based system meets the criteria defined for its current use and future development.
PLO8	8	Recognise the professional, economic, social, environmental, moral and ethical issues involved in the sustainable exploitation of computer technology and be guided by the adoption of appropriate professional, ethical and legal practices.
PLO9	9	Communicate appropriately with a range of audiences in person, in writing and through ICT
PLO10	10	Be able to work unsupervised, plan effectively and meet deadlines, and respond readily to changing situations and priorities.
PLO11	11	Work effectively with colleagues, clients, suppliers or the public

Course Structure

Programme Structure Description	The part-time delivery of this programme is by infilling into sessions shared with full-time students, with all students taking a module sharing taught sessions and assessments. None of the modules rely on knowledge delivered by other modules; they rely solely on knowledge on entry. This means that modules can be taken in any order that timetabling constraints permit. It is, however, an absolute requirement that students have attempted all aspects of level 4, achieving at least 100 credits, before level 5 is attempted. For modules with practical competencies, students will be given multiple opportunities to demonstrate competency. A student who achieves a pass mark in the module but who has not yet demonstrated competency will be required to demonstrate competency before credit can be released. It will not be recorded as a failed attempt.
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Structure - 120 credit points	
Level 4 - 120 credit points	
Level 4 Core - 100 credit points	CORE
[MODULE] 4541NCCG Computing Investigative Project Approved 2022.01 - 20 credit points	
[MODULE] 4542NCCG Database Design and Implementation Approved 2022.01 - 20 credit points	
[MODULE] 4543NCCG Networking and Security Approved 2022.01 - 20 credit points	
[MODULE] 4544NCCG Programming and Software Development Approved 2022.01 - 20 credit points	
[MODULE] 4545NCCG The Computing Professional Approved 2022.01 - 20 credit points	
Level 4 Optional - 20 credit points	OPTIONAL
[MODULE] 4546NCCG Computer Systems Architecture Approved 2022.01 - 20 credit points	
[MODULE] 4547NCCG Website Design and Development Approved 2022.01 - 20 credit points	
[MODULE] 4548NCCG Data Analytics Approved 2022.01 - 20 credit points	

Approved variance from Academic Framework Regulations

Variance
Some modules within this programme contain assessed practical work that does not contribute to the module mark but that must be completed satisfactorily for the module credit to be awarded. (Approved 28 July 2021)

Teaching, Learning and Assessment

Teaching, Learning and Assessment	<p>Key themes of the teaching and learning strategy on this programme are:</p> <ul style="list-style-type: none"> • Varied assessment and feedback to enhance the experience of the student. • The availability of flexible teaching and learning modes, using face to face, on-line and blended learning. • Student support through the use of structured and targeted tutorials. • The development and application of theory into practice. • The use of inclusive learning methods • Development of students' practical skills. <p>Teaching sessions will allow for the introduction of new skills, techniques, concepts and theories to enable students to develop their own practice further. Learning and teaching opportunities will be designed to allow for the transfer of learning between the different modules and the integration of theory with practice. This programme uses a variety of different assessment methods to ensure that all students, of whatever preference in assessment, have the opportunity to demonstrate their achievement of learning outcomes. Assessment is designed to be both formative, in building knowledge and skills, and summative in assessing whether and to what extent required outcomes have been met. In this HNC, assessment is focused on evidencing that necessary knowledge and skills have been acquired. Modules typically have two assessments of different types. One is often designed simply to ensure that particular knowledge, skill and experience has been gained. Assessments of this type are commonly practical tasks or multiple choice online tests and are sometimes assessed on a pass/fail basis only. Pass/fail assessments must be passed for the module to be passed. The second assessment is a generally graded task in which the extent of a student's level of attainment can be judged. This is typically a presentation, written assignment or, occasionally, an online test. Students entering this programme will generally not have experienced a formal examination since GCSE, which for some will have been many years ago. For this reason, there are no formal, written examinations in this programme.</p>
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Opportunities for work related learning

Opportunities for work related learning
<p>Work-related learning is included within this programme, so students will have the opportunity to engage in real world projects and activities. The programme has active links with industry and involves employers in the industrial projects, utilising real world case studies wherever possible. As this is a part time programme, students will apply knowledge attained in their employment to their academic studies.</p>

Entry Requirements

Type	Description
Alternative qualifications considered	<p>Candidates are selected on the basis of their ability to cope with and benefit from the programme. Their suitability can be demonstrated either through previous educational achievement or through experience and aptitude. Admission by prior qualification will normally require a minimum 32 UCAS Tariff points with the majority of the points gained in technical subjects. Typically, points can be derived from:</p> <ul style="list-style-type: none"> o One GCE A level or Vocational A level pass or equivalent o Two AS level passes o BTEC National Diploma/Certificate o Other qualifications such as Scottish Highers, Welsh Baccalaureate, Irish Leaving Certificates, International Baccalaureate, with the required UCAS points o A pass in a recognised Access course o Equivalent Scottish or Irish qualifications <p>Admission by experience and aptitude will be based on the length and type of the candidate's employment experience and his/her ability to demonstrate an aptitude and enthusiasm for the subject. As part of this process, candidates may be required to undertake aptitude tests and/or to provide personal and/or employment references. Candidates whose first language is not English will be required to demonstrate English language competence equivalent to IELTS 5.5 or higher.</p>

Programme Contacts

Programme Leader

Contact Name

Link Tutor

Contact Name

Graham Sherwood
