

## Overview

<b>Programme Code</b>	36461
<b>Programme Title</b>	Computer Networks
<b>Awarding Institution</b>	Liverpool John Moores University
<b>Programme Type</b>	Top-up
<b>Programme Leader</b>	
<b>Link Tutor(s)</b>	Silvester Czanner

<b>Partner Name</b>	<b>Partnership Type</b>
Auston College Myanmar, Yangon, Myanmar	Franchised

## Awards

<b>Award Type</b>	<b>Award Description</b>	<b>Award Learning Outcomes</b>
Target Award	Bachelor of Science with Honours - BSH	See Learning Outcomes Below

<b>Alternate Award Names</b>	
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## External Benchmarks

<b>Subject Benchmark Statement</b>	UG-Computing (2022)
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## Programme Offering(s)

Mode of Study, Mode of Delivery	Intake Month	Teaching Institution	Programme Length
Part-Time, Face to Face	February	Auston College Myanmar, Yangon, Myanmar	1 Years
Part-Time, Face to Face	June	Auston College Myanmar, Yangon, Myanmar	1 Years
Part-Time, Face to Face	September	Auston College Myanmar, Yangon, Myanmar	1 Years

## Aims and Outcomes

### Educational Aims of the Programme

The two principal themes in the programme are the development of computer science skills relating to networked digital information systems (from here on 'Computer Networks'), and the associated software engineering, technology and analysis skills required to develop and maintain successful Computer Networks. The main aims are:

- To provide students with the technical skills required for the development of Computer Network software solutions.
- To enable the student to acquire the skills needed in the investigation of user requirements and the development of a suitable software design using the appropriate specifications and design methodologies.
- To prepare students with the technology management skills required to implement and maintain Computer Networks
- To provide students with the knowledge of the wider issues involved in the implementation of Computer Networks, such as legal, ethical and privacy requirements.
- To encourage students to engage with the development of employability skills by completing a self-awareness statement.
- To provide students with a comprehensive understanding, critical awareness and ability to conduct evaluation of current Computer Networks research issues.
- For students undertaking a placement year the aim is to provide students with an extended period of work experience at an approved partner that will complement their programme of study at LJMU. This will give the students the opportunity to develop professional skills relevant to their programme of study, as well as attitude and behaviours necessary for employment in a diverse and changing environment.

### Learning Outcomes

Code	Description
PLO1	Be critically aware of current and developing principles and practices of selected areas of computer network technologies.
PLO2	Deploy appropriate methods and tools creatively for the development of a complex computer network.
PLO3	Develop and evaluate computer networks in selected areas from a wide range of domains.
PLO4	Manage computer network projects.
PLO5	Use a wide range of computing facilities effectively.
PLO6	Work individually and/or as a team member.
PLO7	Apply numerical skills to cases involving a quantitative dimension.

<b>Code</b>	<b>Description</b>
PLO8	Communicate effectively by written or verbal means.
PLO9	Plan and manage learning and development.
PLO10	Have widened and deepened conceptual and practical knowledge and skills in selected areas of computer networks, in a wide range of domains.
PLO11	Have been exposed to and applied a range of tools and techniques used in the development of complex networks.
PLO12	Have critically analysed a range of computer networks and application domains.
PLO13	Have a clear understanding of how to effectively and creatively manage computer networks.
PLO14	Use knowledge with originality and be innovative in solving computer network problems.
PLO15	Demonstrate systematic and comprehensive knowledge and understanding of computer systems concepts, principles and theories.
PLO16	Use such knowledge with originality in system modelling, requirements analysis and design of computer networks and applications in selected areas from a wide range of domains.
PLO17	Perform critical evaluation and testing for computer systems in selected areas from a wide range of domains.

## Programme Structure

### Programme Structure Description

Programme Structure - 180 credit points	
Level 5 - 60 credit points	
Level 5 Core - 60 credit points	CORE
[MODULE] 5502CSMM Database Systems Approved 2022.01 - 20 credit points	
[MODULE] 5513CSMM Information Systems Development Approved 2022.01 - 20 credit points	
[MODULE] 5530CSMM Mobile and Web Development Approved 2022.01 - 20 credit points	
Level 6 - 120 credit points	
Level 6 Core - 120 credit points	CORE
[MODULE] 6500CSMM Project Approved 2022.01 - 40 credit points	
[MODULE] 6502CSMM Network Forensics Approved 2022.01 - 20 credit points	
[MODULE] 6510CSMM User Experience Design Approved 2022.01 - 20 credit points	
[MODULE] 6513CSMM Network Defence Approved 2022.01 - 20 credit points	
[MODULE] 6514CSMM Advanced Networks Approved 2022.01 - 20 credit points	

Module specifications may be accessed at <https://proformas.ljmu.ac.uk/Default.aspx>

## Teaching, Learning and Assessment

Core knowledge and understanding is acquired via lectures, tutorials, practical work, workshops and guided independent study. Independent study is used where appropriate resource material is available and increases as the programme progresses. Students are given feedback on all work produced. Assessment methods are specified in each module specification. All learning outcomes in a module are assessed and the type of assessment specified for each outcome. Each module is assessed by examination and/or course work. The nature of the course work varies for each module. Cognitive skills are developed throughout the programme via tutorial, group discussion, teamwork, coursework, projects and presentations. Assessment of cognitive skills is through written examinations, laboratory work, coursework reports, project work, reports and presentations. Practical skills are developed throughout the programme. Coursework and projects are designed to provide practical opportunities for students to work independently or in groups. Assessment of practical skills is normally by coursework and projects. The placement year is assessed, by portfolio, on a pass / fail basis. Key skills are developed throughout the programme in a variety of forms. Specifically through a combination of research related coursework, guided independent study and projects, examinations, group work and presentations. Key skills are assessed as part of coursework, projects, written examinations and presentations.

## Entry Requirements

Type	Description
Other international requirements	An Auston Higher Diploma in Infrastructure & Networks and the successful completion of a 0 credit bridging module, delivered by Auston College. Alternative equivalent qualifications may be considered on a case by case basis.

