

Overview

Programme Code	35578
Programme Title	Pre Masters Programme (PMP) Engineering and Computing
Awarding Institution	Liverpool John Moores University
Programme Type	CPD
Language of Programme	All LJMU programmes are delivered and assessed in English
Programme Leader	
Link Tutor(s)	Mohamed Kara-Mohamed

Awards

Award Type	Award Description	Award Learning Outcomes
Target Award	Certificate of Professional Development - CP	See Learning Outcomes Below

Alternate Award Names	
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External Benchmarks

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

Mode of Study, Mode of Delivery	Intake Month	Teaching Institution	Programme Length
Full-Time, Face to Face	March	Study Group	12 Weeks
Full-Time, Face to Face	May	Study Group	12 Weeks
Full-Time, Face to Face	September	Study Group	12 Weeks

Aims and Outcomes

Educational Aims of the Programme

To prepare students for the demands of a postgraduate taught course by building on the knowledge gained and academic skills acquired in earlier studies in their home countries. To further develop the students' English language, maths, computing, research and other study skills appropriate to study at postgraduate level. To introduce the student to UK higher education teaching styles and to provide students with opportunities to acquire, through the teaching medium of English, a sound and appropriate knowledge base in their chosen discipline. To develop the students' intellectual appreciation of issues relevant to their chosen pathway and related subjects at postgraduate level and to assist the students in acquiring the skills in the collection, analysis, interpretation and understanding of appropriate data and information in preparation for a postgraduate taught degree. To develop relevant study and personal skills so that students progressively take responsibility for their learning, becoming independent learners, while receiving appropriate tutoring and support. To equip students with a range of transferable skills and attributes in the use of computers, software packages, team working, communication, time management and problem solving methodology which will enable them to undertake responsible roles in industry and commerce.

Learning Outcomes

Code	Description
PLO1	Demonstrate level 6 knowledge of advanced concepts within Engineering, Mathematics and Computing.
PLO2	Utilise methods of acquiring, interpreting and analysing complex information.
PLO3	Demonstrate reading, writing, speaking and listening skills in English at equivalent of IELTS 6.5.
PLO4	Present work orally and in writing in a suitable format and to a professional standard.
PLO5	Demonstrate inter-personal skills which would be recognised, required and valued by professionals.
PLO6	Apply an innovative, creative and self-critical approach to work.
PLO7	Apply professional skills which include discipline awareness, identification and implementation of sources of information, data analysis, presentation methods, and effective team work.
PLO8	Demonstrate an appropriate level of English academic skills.
PLO9	Communicate with a high standard of second language skill.
PLO10	Develop effective team skills.

Code	Description
PLO11	Independently solve complex problems.
PLO12	Use appropriate research methods and critically evaluate the results.
PLO13	Manage workloads and meet deadlines.
PLO14	Make informed decisions.
PLO15	Apply and analyse mathematical and computer models relevant to the postgraduate progression pathway, and have an understanding of their limitations.
PLO16	Explore developing and emerging technologies relating to Engineering and Computing.
PLO17	Extract data pertinent to a problem and apply a solution using computer-based applications.
PLO18	Appreciate the social, environmental, ethical, economic and commercial considerations affecting the exercise of their judgment
PLO19	Critically apply theory to practical contexts.
PLO20	Solve problems by evaluating and assessing a range of options.
PLO21	Explore new and unfamiliar situations and draw appropriate conclusions and recommendations.

Programme Structure

Programme Structure Description

The Pre Masters Programme will be offered as a full-time programme with start dates in March and May. Students will need to successfully complete 60 credits at level 6.

Structure - 60 credit points	
Level 6 Core - 60 credit points	
Level 6 Core - 60 credit points	CORE
[MODULE] 6600PMBML Academic English and Research Skills (AERS) Approved 2022.01 - 20 credit points	
[MODULE] 6600PMEC Pre Masters Computing Approved 2022.01 - 20 credit points	
[MODULE] 6601PMEC Pre Masters Mathematics Approved 2022.01 - 20 credit points	

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

Teaching, Learning and Assessment

Acquisition of knowledge and understanding will be achieved via a combination of lectures, workshops, group discussions, seminars, software applications, individual tutorials and independent and directed research and study. A range of assessment methods to include exams, reports, essays, projects, computing applications, presentations, listening tests and reading and writing tests. Intellectual skills will be further developed via data analysis, critical reading and literature reviews, lectures, group work and case studies. A range of assessment methods to include exams, reports, essays, projects, computing applications and presentations. Professional and practical skill teaching and learning will comprise lectures, workshops, group discussions and seminars, software applications, individual tutorials and independent and directed research and study. A range of assessment methods to include exams, reports, essays, projects, computing applications, presentations, listening tests, and reading and writing tests. Transferable skills are incorporated within modules and related to assessments. Developing and acquiring transferable skills is intrinsic to the programme's curriculum design. A range of assessment methods to include exams, reports, essays, projects, computing applications, presentations, listening tests, and reading and writing tests.

Opportunities for work related learning

Students will be using work-related scenarios and case studies as part of the teaching, learning and assessment strategy. The development of employability skills is embedded into the structure, design and assessment of the programme. Students will develop skills in the areas of employability such as: Communication, problem solving, team work and leadership, self-management and reflection.

Entry Requirements

Type	Description
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Other international requirements	Overseas and country specific entry requirements can be found here: https://www.ljmuisc.com/programmes/pre-masters/engineering-and-computing Applicants who have qualifications from countries not listed in the link above will be individually advised by Study Group Student Enrolment Advisors.
Alternative qualifications considered	An English level equivalent to at least IELTS 5.5 overall with a minimum of 5.5 in each component (reading, writing, listening, speaking).

Extra Entry Requirements