

Overview

Programme Code	36369
Programme Title	Risk and Safety Management
Awarding Institution	Liverpool John Moores University
Programme Type	Apprenticeship
Language of Programme	All LJMU programmes are delivered and assessed in English
Programme Leader	
Link Tutor(s)	Dante Matellini

Partner Name	Partnership Type
Risktec Solutions	Validated

Awards

Award Type	Award Description	Award Learning Outcomes
Target Award	Master of Science - MS	See Learning Outcomes Below
Alternative Exit	Postgraduate Certificate - PC	Display knowledge and understanding of risk management tools and techniques Apply learning to workplace situations Understand the key issues relating to environmental and safety matters in order to comply with certain risk management legislation Undertake research and apply appropriate techniques to problem solving Design technical reports and practice technical report writing Use technical/scientific literature effectively Research and present findings using appropriate information technology Communicate effectively in a professionally appropriate manner – in writing, verbally and with diagrams Display enhanced self-learning skills appropriate to the level of study Manage time and prioritise workloads to meet deadlines Learn independently in familiar and unfamiliar situations Apply appropriate techniques to analyse and solve risk management problems Evidence critical thinking and analysis of complex industry-related, risk management issues Interpret and analyse case study material pertinent to practical risk management
Alternative Exit	Postgraduate Diploma - PD	Display knowledge and understanding of a large number of risk management tools and techniques Apply appropriate techniques to analyse and solve a large range of risk management problems Evidence critical thinking and analysis of a large number of complex industry-related, risk management issues Understand the key issues relating to environmental and safety matters in order to comply with certain risk management legislation Interpret and analyse many different case study materials pertinent to practical risk management, including evaluation of the safety aspects of a process or system Display enhanced quantitative skills using data analysis, interpolation and extrapolation Demonstrate effective problem solving and decision-making using appropriate quantitative and qualitative skills Demonstrate the skills necessary to plan the findings of a programme of research, using technical literature effectively

Alternate Award Names

External Benchmarks

Subject Benchmark Statement

Apprenticeship Standard

Apprenticeship Standard	End Point Assessment	Proposed Off the Job Training delivery
Risk and safety management professional (degree) - ST0465	Non-Integrated	

Programme Offering(s)

Mode of Study, Mode of Delivery	Intake Month	Teaching Institution	Programme Length
Full-Time, Face to Face	October	Risktec Solutions	3 Years

Aims and Outcomes

Educational Aims of the Programme

• Justify the use of risk assessment through illustration of the objectives of, and drivers for, risk assessment. • Analyse and evaluate a broad range of practical risk management tools and techniques and apply selected techniques. • Devise practical solutions for real-life risk management problems. • Develop a questioning and critical attitude to management of risks. • Display mastery of clear and effective communication of risk. • Have substantial opportunity to practise self-learning.

Learning Outcomes

Code	Description
PLO1	Display knowledge and understanding of risk management tools and techniques
PLO2	Critically evaluate information and evidence and apply to industry related scenarios
PLO3	Effective problem solving and decision-making using appropriate quantitative and qualitative skills
PLO4	Evaluate the safety aspects of a process or system
PLO5	Apply learning to workplace situations
PLO6	Understand the key issues relating to environmental and safety matters in order to comply with certain risk management legislation
PLO7	Undertake research and apply appropriate techniques to problem solving
PLO8	Design technical reports and practice technical report writing
PLO9	Use technical/scientific literature effectively
PLO10	Display knowledge and understanding of a range of statutory requirements related to risk management
PLO11	Research and present findings using appropriate information technology
PLO12	Apply appropriate techniques to analyse and solve risk management problems
PLO13	Communicate effectively in a professionally appropriate manner – in writing, verbally and with diagrams
PLO14	Display enhanced self-learning skills appropriate to the level of study
PLO15	Manage time and prioritise workloads to meet deadlines

Code	Description
PLO16	Learn independently in familiar and unfamiliar situations
PLO17	Display enhanced quantitative skills using data analysis, interpolation and extrapolation
PLO18	Evaluate own academic and professional performance and organise/plan self-learning and professional development
PLO19	Evidence critical thinking and analysis of complex industry-related, risk management issues
PLO20	Interpret and analyse case study material pertinent to practical risk management
PLO21	Analyse and evaluate business and management strategies as they relate to practical risk management
PLO22	Display expertise in a number of key risk analysis methods, including an appreciation of their limitations and range of applicability
PLO23	Demonstrate the skills necessary to plan, conduct and present the findings of a programme of research
PLO24	Apply the skills needed for academic study and enquiry at Level 7
PLO25	Apply strategies for appropriate selection of information from a wide source and large body of knowledge

Programme Structure

Programme Structure Description

Students must take: 7083RTC Hazard and Operability (HAZOP) Study OR 7091RTC Physical Effects Modelling AND 7096RTC Safety/HSE Cases OR 7087RTC Incident Investigation and Analysis. In year 1 students will take: 7084RTC, 7085RTC, 7088RTC, 7093RTC, 7094RTC, 7095RTC. In year 2 students will take: 7078RTC, 7079RTC, 7080RTC, 7086RTC, 7083RTC OR 7091RTC, 7096RTC OR 7087RTC In year 3 students will take: 7092RTC

A PgCert will be awarded to any student achieving at least 60 credits.

Apprentices all need to complete mandatory training in Safeguarding, British Values and Prevent before they can undertake the End Point Assessment. Generic, mandatory online training programmes will offered to apprentices and this may be supplemented by additional training that is specific to the programme.

Programme Structure - 180 credit points	
Level 7 - 180 credit points	
Level 7 Core - 160 credit points	CORE
[MODULE] 7078RTC Bowtie Risk Management Approved 2022.01 - 10 credit points	
[MODULE] 7079RTC Culture, Behaviour and Competency Approved 2022.01 - 10 credit points	
[MODULE] 7080RTC Emergency Response and Crisis Management Approved 2022.01 - 10 credit points	
[MODULE] 7084RTC Hazard Identification Approved 2022.01 - 10 credit points	
[MODULE] 7085RTC Health, Safety and Environmental (HSE) Management Systems Approved 2022.01 - 10 credit points	
[MODULE] 7086RTC Human Factors in Design and Operations Approved 2022.01 - 10 credit points	
[MODULE] 7088RTC Principles of Risk Management Approved 2022.01 - 10 credit points	
[MODULE] 7092RTC Project Approved 2022.01 - 60 credit points	
[MODULE] 7093RTC Research Methods in Risk and Safety Management Approved 2022.01 - 10 credit points	
[MODULE] 7094RTC Risk Analysis Approved 2022.01 - 10 credit points	
[MODULE] 7095RTC Risk Reduction and ALARP Approved 2022.01 - 10 credit points	
Level 7 Optional - 20 credit points	OPTIONAL
[MODULE] 7083RTC Hazard and Operability (HAZOP) Study Approved 2022.01 - 10 credit points	
[MODULE] 7087RTC Incident Investigation and Analysis Approved 2022.01 - 10 credit points	
[MODULE] 7091RTC Physical Effects Modelling Approved 2022.01 - 10 credit points	
[MODULE] 7096RTC Safety/HSE Cases Approved 2022.01 - 10 credit points	

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

Teaching, Learning and Assessment

Acquisition of knowledge is achieved mainly through illustrated and annotated presentation materials, individual and group exercises and directed student-centred learning where appropriate resource material is available. Understanding is reinforced through both the exercises and the main end-of-module assessments which typically take the form of an essay (usually case study), technological task and/or technical report. Research for the MSc Project module (the dissertation) will facilitate further learning for the student. Testing of the knowledge base is undertaken in the form of the essays, reports, technological tasks, plus the dissertation Project. Intellectual skills are developed in part through exercises during the module delivery and principally through end-of-module assignments, which test all learning outcomes. Individual exercise and group exercises within the taught part of the programme are designed to permit students to demonstrate achievement of learning outcomes. Analysis and problem solving skills are assessed in the form of essays, reports and technological tasks plus the dissertation Project. Professional practical skills are developed in a coordinated manner throughout the programme. Real-life examples and case studies are used to illustrate techniques and risk management issues, hence relating the learning to workplace examples. Where a programme is being delivered to a cohort of students from the same employer, company-specific case studies and examples may be used. Professional and transferrable skills are assessed (informally / implicitly) through essays, reports and technological tasks, plus the dissertation Project.

Opportunities for work related learning

This is a degree apprenticeship. Assessments will normally be based on an individual's work experience. The modules are designed to be relevant to the workplace and real-life case studies are used throughout, with a practical emphasis on risk management techniques. Students are encouraged to use their own work experience in assignments, where appropriate.

Entry Requirements

Type	Description
Alternative qualifications considered	This is a degree apprenticeship. Students must meet at least one of the following criteria: • An undergraduate degree or equivalent in science, engineering, business management, or related studies, or • Be an industry professional with 5+ years industry experience, with some exposure to risk management tools and techniques, or • Be a mature student with qualifications and experience who in the opinion of the programme team will be able to successfully complete the programme, or • An appropriate combination of undergraduate degree (or academic equivalent) and industry experience at the discretion of the Programme Leader. The entry criterion for English language ability is possession of one of the following qualifications: • IELTS 6.5, or approved equivalent Applicants who have studied and successfully achieved a UK degree, or a degree from an English speaking country, are exempt from the requirements to produce evidence of competence in English. Any applicant to the programme who does not match the above English language criteria will be given an interview (by telephone if face to face is not practical) to ascertain their knowledge, skills and experience in relation to the programme requirements. If a student who has been accepted onto the programme subsequently displays difficulty with the technical content and/or English language, support will be provided. In the first instance the module teacher, Project Manager or Programme Leader will discuss the issue with the student (in confidence) and advice would be given to the student. If the problem persists, the Project Manager and/or Programme Leader will discuss options with the student and, where a student has been placed on the programme by their employer, with the employer (with the student's permission), and the appropriate course of action for the remainder of the programme will be agreed jointly.

Extra Entry Requirements

