LEEDS BECKETT UNIVERSITY

Course Specification

MSc Information & Technology (and pathways)

Course Code: MSCIT

2026/27

leedsbeckett.ac.uk

MSc Information & Technology (MSCIT)

Applicant Facing Course Specification for 2026/27 Postgraduate Entrants

Confirmed at

General Information

Award	MSc Information & Technology (IPOS) *And the following pathways:* MSc Information & Technology: Software Engineering MSc Information & Technology: Information Technology Management MSc Information & Technology: Smart Computing
Contained Awards	Postgraduate Diploma Information & Technology Postgraduate Certificate Information & Technology
Awarding Body	Leeds Beckett University
Level of Qualification and Credits	Level 7 of the Framework for Higher Education Qualifications, with 180 credit points at Level 7 of the Higher Education Credit Framework for England.
Course Lengths and Standard Timescales	Start dates will be notified to students via their offer letter. The length and mode of delivery of the course is confirmed below: • 12 months (full time, campus based) September starts • 15 months (full time, campus based) January starts • 24 months (full time, with optional 30 week work placement) for **IPOS** route only (not applicable for pathways) • 24 months (part time, campus based
Part Time Study	PT delivery is usually at half the intensity of the FT equivalent course, although there may be flexibility to increase your pace of study to shorten the overall course duration. Some modules may be delivered in a different sequence to that defined within this information set but the modules offered within each level are

	consistent. Please note that the work placement option is not generally available to PT students.
Location(s) of Delivery	The majority of teaching will be at Headingley campus but on occasion may be at City campus.
Entry Requirements	Admissions criteria are confirmed in your offer letter. Details of how the University recognises prior learning and supports credit transfer are located here: https://www.leedsbeckett.ac.uk/student-information/course-information/recognition-of-prior-learning/ Admissions enquiries may be directed to: AdmissionsEnquiries@leedsbeckett.ac.uk.
Course Fees	Course fees are confirmed in your offer letter. A breakdown of any additional costs is included on the online prospectus entry for this course. Fees enquiries may be directed to Fees@leedsbeckett.ac.uk.

Policies, Standards and Regulations (https://www.leedsbeckett.ac.uk/our-university/public-information/academic-regulations/)

There are no additional or non-standard regulations which relate to your course.

Professional Accreditation or Recognition Associated with the Course

Professional Body

The British Computer Society (BCS)

Accreditation/ Recognition Summary

The BCS (The Chartered Institute for IT) accreditation is an indicator of quality of curriculum, teaching and resources. Accredited courses have been independently recognised as having met high standards. BCS accreditation means that the course offers thorough grounding in the subject area and with emphasis on professional aspects to work in the field.

‘In Year’ Work Placement Information

Summary

The course contains a placement year.

30 weeks, undertaken between taught curriculum and the Dissertation – For September starters only on MSCIT-IPOS (not pathways).

Placement Delivery

Leeds Beckett is dedicated to improving the employability of our students and one of the ways in which we do this is to support our students to gain valuable work experience through work based placements. Our Placements team have developed strong links with companies, many of whom repeatedly recruit our students into excellent placement roles. Our team is dedicated to supporting students through every stage of the placement process.

Location

Students are responsible for obtaining their own placement, with assistance from the University. The locations will vary, dependant on the opportunity.

Approval

Whilst students source their own placements, they will need to meet requirements which will be outlined before module enrolment.

Timetable Information

Timetables for Semester 1 will be made available to students during induction week via:

i) The Student Portal (MyBeckett)
ii) The Leeds Beckett app

Any difficulties relating to timetabled sessions may be discussed with your Course Administrator.

Key Contacts

Your Course Director	Dr Sanela Lazarevski
Your Course Administrator	Jake Wrigglesworth - J.Wrigglesworth@leedsbeckett.ac.uk

Course Overview

Aims

The aims of the programme are to:

1. To facilitate the provision of an individual learning experience within the themes of Information and Technology for each student that fosters engagement, promotes and enhances independent study and life-long learning.
2. To maintain a high quality, comprehensive and coherent IT curriculum informed by research and practice which enhances each participant's career prospects.
3. To develop professionals with a sound understanding of the field under study and a critical awareness of current issues, who are able to adopt appropriate research strategies, and are informed of the wider contextual issues.
4. To enable the widest variety of people to benefit from engagement with postgraduate education in IT.
5. To provide postgraduate learning opportunities which are relevant and accessible to people and organisations regionally, nationally and internationally.
6. To enable students (by option) to undertake one of the specialist routes identified within the area of Information and Technology curriculum to advance their knowledge in that area.

Course Learning Outcomes

At the end of the course, students will be able to:

1	Demonstrate a systematic understanding of knowledge and a critical awareness of current problems in IT and/or new insights on technologies that are at the forefront of the discipline.
2	Deal with complex IT issues both systematically and creatively, make informed judgements in the absence of complete data, implement and communicate their conclusions clearly to specialist and non-specialist audiences.
3	Evaluate, synthesise and contextualise advanced and contemporary theories and techniques to a range of complex and open-ended issues, applications in IT, problems and situations.
4	Evaluate critically current research, advanced scholarship and relevant methodologies and apply and critique these.
5	Take responsibility for continuing to advance their knowledge and understanding, and to develop new skills to a high level – both generally (as appropriate to the holder of a Masters level award) and specifically as related to the field of Information and Technology.

Teaching and Learning Activities

Summary

Our teaching methods, curriculum and assessments impart students with sophistication in independent critical thinking, knowledge contextualisation and professionalism. Our assessments give students

opportunities to engage in critical thinking and self-direction while addressing problems similar to the ones faced in industry. The 'hands-on' teaching approach in most modules allow students to select and apply specialist skills to various contexts. Students are supported within an inclusive learning environment, which recognise, accommodates and meets the learning needs of all our students.

For each module students will receive a tutorial or practical lab-based session(s). These are supplemented with a programme of guest speakers and industry led seminars. In addition, all staff provide weekly drop-in slots for students who need personalised learning support.

The module materials and support provided will encourage deep learning the focus of which should support educational gain, as well as educational performance. Deep learning on this level include reflecting upon, synthesising, applying, critically evaluating and analysing, all an integral part of the course and its assessments. There are also opportunities for considering research papers, articulating and critiquing different philosophies and research papers through– core and elective modules. Challenging and industry related tasks will stretch students' 5 capabilities and actively engage them in applying skills and knowledge in their future employment.

Your Modules

This information is correct for students progressing through the programme within standard timescales. Option modules listed are indicative of a typical year. There may be some variance in the availability of option modules. Students who are required to undertake repeat study may be taught alternate modules which meet the overall course learning outcomes. Details of module delivery will be provided in your timetable.

Full Time Delivery

Level 7
Compulsory modules

Module title	**Credits**	**Semester/ teaching period**
Research Practice	20	S1
Project Management	20	S2
Dissertation	60	S1 & S2
Number of credits of compulsory modules	100	

Option modules

Module title	**Credits**	**Semester/ teaching period**
Advanced Software Engineering	20	S1
Data Analytics and Visualisation	20	S1
Lean & Agile Engineering	20	S1
Managing Information in the Digital and Global Environment	20	S1
Simulation and Modelling	20	S1
Network Management	20	S1
Cloud Computing Technologies	20	S1
Data Warehouse Models and Approaches	20	S1
Smart Systems	20	S1

Critical Perspectives on Information	20	S2
Database Systems and Approaches	20	S2
Intelligent Systems and Machine Learning	20	S2
Intelligent Systems and Robotics	20	S2
Eco Engineering	20	S2
Software and Systems	20	S2
Software Engineering for Service Computing	20	S2
Number of credits of option modules a student should choose	80	

Software Engineering Pathway

Level 7
Compulsory modules

Module title	**Credits**	**Semester/ teaching period**
Advanced Software Engineering	20	S1
Research Practice	20	S1
Software Engineering for Service Computing	20	S2
Project Management	20	S2
Dissertation	60	S2
Number of credits of compulsory module	140	

Option modules

Module title	**Credits**	**Semester/ teaching period**
Option (from list above)	20	S1
Option (from list above)	20	S2
Number of credits of option modules a student should choose	40	

Smart Computing Pathway

Level 7
Compulsory modules

Module title	**Credits**	**Semester/ teaching period**
Smart Systems	20	S1
Cloud Computing Technologies	20	S1
Research Practice	20	S1
Intelligent Systems and Robotics	20	S2
Project Management	20	S2
Dissertation	60	S2
Number of credits of compulsory modules	160	

Option modules

Module title	Credits	Semester/ teaching period
Option (from list above)	20	S2
Number of credits of option modules a student should choose	20	

Information Technology Management Pathway

Level 7
Compulsory modules

Module title	Credits	Semester/ teaching period
Managing Information in the Digital and Global Environment	20	S1
Research Practice	20	S1
Database Systems and Approaches	20	S2
Project Management	20	S2
Dissertation	60	S2
Number of credits of compulsory modules	140	

Option modules

Module title	Credits	Semester/ teaching period
Option (from list above)	20	S1
Option (from list above)	20	S2
Number of credits of option modules a student should choose	40	

Part Time Delivery

Part time students will be supported by the course team to determine an appropriate selection of modules for each year of study.

Assessment Balance and Scheduled Learning and Teaching Activities

The assessment balance and overall workload associated with this course are calculated from core modules and typical option module choices undertaken by students on the course. They have been reviewed and confirmed as representative by the Course Director but applicants should note that the specific option choices students make may influence both assessment and workload balance.

A standard module equates to 200 notional learning hours, which may be comprised of teaching, learning and assessment, any embedded placement activities and independent study. Modules may have more than one component of assessment.

Assessment

On this course students will be assessed through a broadly even mix of coursework and examinations. There is a major independent study module which will require the production of a dissertation of 10,000 – 15,000 words for product based dissertations (15,000 – 20,000 words for empirical based dissertations). There is a mix of examinations, demonstrations, portfolio, viva and team-based assessments based on the modules studied.

Workload

Overall Workload	
Teaching, Learning and Assessment	211 hours
Independent Study	1589 hours