LEEDS BECKETT UNIVERSITY

Course Specification

MSc Advanced Engineering Management

Course Code: MSAEM

2026/27

leedsbeckett.ac.uk

MSc Advanced Engineering Management (MSAEM)

Applicant Facing Course Specification for 2026/27 Postgraduate Entrants

Confirmed at

General Information

Award	Master of Science Advanced Engineering Management
Contained Awards	Postgraduate Diploma Advanced Engineering Management Postgraduate Certificate Advanced Engineering Management
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 (September full time starters, campus based) • 18 months (January full time starters, campus based) • 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 (www.leedsbeckett.ac.uk/academicregulations)

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

Professional Accreditation or Recognition Associated with the Course

Professional Body

N/A

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	Mike White
Your Course Administrator	Lisa Halmshaw - L.D.Halmshaw@leedsbeckett.ac.uk

Course Overview

Aims

The aims of the programme are to:

- Apply their skills in the areas of both management and engineering to solve complex problems, requiring effective communication, information retrieval, teamwork and the use of specialist and general IT facilities.

- Develop and demonstrate self-learning and skills of critical reflection to improve performance, as the foundation for lifelong learning and continuing professional development (CPD)

- Monitor and adjust a significant personal programme of work on an on-going basis and to defined goals.

- Exercise initiative and personal responsibility, which may be as a team member or team leader.

Course Learning Outcomes

1	At the end of the course, you will possess a systematic understanding of knowledge, and a critical awareness of current problems and/or new insights, much of it at, or informed by, the forefront of the Engineering and Technology field of study and professional practice.
2	At the end of the course, you will possess a comprehensive understanding of techniques applicable to your own research or advanced scholarship.
3	At the end of the course, you will have demonstrated originality in the application of knowledge, together with a practical understanding of how established techniques of research and enquiry are used to create and interpret knowledge in the engineering and management domains.
4	At the end of the course, you will possess a conceptual understanding that enables you to evaluate critically current research and advanced scholarship in the engineering and management field and evaluate methodologies and develop critiques of them and, where appropriate, to propose new hypotheses.

Teaching and Learning Activities

Summary

The delivery style will encourage independent and collaborative learning through team-based activities. This course enables many practical skills to be developed and students are encouraged to develop their personal interest through individual research. A number of delivery methods are used from guest lectures, group activities, online support and workshop activities.

Students are made aware of the goal of independence in learning and are given explicit guidance on those aspects of their learning for which they are responsible. Key opportunities for students in this regard include the Dissertation modules and guidance on the studying of individual modules.

Scheduled sessions will include the use of lectures, seminars and tutorials, and advantage will be taken of both technology and supportive activities to ensure that effective learning takes place. Some of those supportive activities strongly encourage the student to attend sessions that are not in themselves credit bearing, but which are designed to reinforce the concepts and skills introduced in the credit bearing modules.

These activities will include the use of simulations, role play, case studies, projects, practical work, work-based learning, workshops, peer tutoring, self-managed teams and learner managed learning.

This course will feature a mix of blended learning, both online and in-person. Most lectures and all lab sessions will be live, with some online learning for specific modules.

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**
Lean and Agile Engineering	20	S1
Simulation and Modelling	20	S1
Research Practice	20	S2
Sustainable Systems Design	20	S2
Eco Engineering	20	S2
Project Management	20	S2
Dissertation	60	S1 & S2
Number of credits of compulsory modules	120	

Part Time Delivery

Level 7

Compulsory modules

Module title	**Credits**	**Semester/ teaching period**
Lean and Agile Engineering	20	S1 / Year 1
Simulation and Modelling	20	S1 / Year 1
Sustainable Systems Design	20	S2 / Year 1
Eco Engineering	20	S2 / Year 1
Research Practice	20	S2 / Year 2
Project Management	20	S2 / Year 2
Dissertation	60	S1 & S2 / Year 2
Number of credits of compulsory modules	120	

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 predominantly by coursework with some examinations. At the end of the course, students will produce a dissertation reflecting substantial, individual research into a topic chosen by the student.

Workload

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