

Logistics, Data Analytics and Supply Chain Management MSc programme specification

Academic Year:	2026/2027
Degree Awarding Body:	The University of Bradford
Main Location:	City Campus
Subject Benchmarks:	Masters in Business and Management (Quality Assurance Agency 2023)
Qualifications Framework:	HE Qualifications of UK Degree Awarding Bodies (FHEQ: QAA 2014)
Target Degree Award:	Master of Science (MSc) Logistics, Data Analytics and Supply Chain Management [L7]
Intermediate/exit awards:	Postgraduate Diploma (PGD) or Postgraduate Certificate (PGC) [FHEQ Level 7]
Programme Admissions:	UK and international students
Programme Start Dates:	September, January
Programme Modes of Study:	12 months full-time (September start) 15 months full-time (January start)

This programme is accredited by the [Chartered Institute of Logistics and Transport \(CILT\)](#). This means graduates are exempt from the education requirements for Chartered Membership (CMILT) of the professional body for logistics, transport and operations management. This programme is also accredited by the [Chartered Institute of Procurement and Supply \(CIPS\)](#). This means graduates are eligible to apply for Membership (MCIPS) of the professional body for procurement and supply chain with at least 3 years of work experience in the profession.

Please note: The University has a set of terms and conditions for all students accepting an offer to study on a course here at Bradford. This is called the Student Contract. This document sets out the Terms and Conditions which apply when you accept an offer of a place on a programme of study at the University of Bradford. [View our Student Contract for further details](#). Information about this programme and its modules has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but changes may occur given the interval between publishing and commencement of teaching. Any change which impacts the terms and conditions of an applicant's offer will be communicated to them.

Minor Modification Schedule

1. September 2025: New specification created following periodic review
2. April 2026: Annual changes for 2026 including admissions and references

Programme aims

The Master's in Logistics, Data Analytics and Supply Chain Management is designed with input from leading logistics and supply chain professionals to equip students with the necessary knowledge and appropriate data analytics techniques to operate as effective managers within this field who contribute to business and society. This programme is aligned with expertise from within

the Digital, Artificial Intelligence and Circular Economy Department of the School of Management. This programme is designed to provide the student with a thorough multidisciplinary grounding of logistics, data analytics and supply chain management, underpinned by the main concepts and theories. This programme is supported by experienced academics renowned for their expertise in the field who will provide significant insights into key areas of business analytics, supply chain and operations management.

This programme serves also as preparation for further study or an academic career in logistics, data analytics and supply chain management. Throughout the programme, there is strong emphasis on the practical application of specialist knowledge and data analytics skills. Such practical skills and critical faculties will enable the student to apply the knowledge and understanding gained at an early stage in their careers to make a meaningful contribution to the organisations they will work for.

On graduation from this programme, students will have developed a portfolio of work that demonstrates specialist knowledge in logistics, data analytics and supply chain management and employability and will thus be well-placed to access a range of career opportunities in either nationally or internationally. Therefore, graduates from this programme will be able to contribute to business and society whilst applying the highest professional standards and will be capable of identifying their own professional development requirements. Equipped with the skills, knowledge, and critical faculties with a special focus on developing data analytics techniques required to operate and thrive in the contemporary business environment, these graduates will be ideally placed to pursue a management career in a wide range of business and commerce environments.

The overall aims are to promote a critical understanding of emerging themes within the logistics and supply chain, equip students with data analytics techniques within this field and how companies can protect themselves against risk and uncertainty, and to produce fully rounded managers with an emphasis on logistics, data analytics and supply chain management by combining theory and practice with a detailed treatment of other subjects concerned with the management of organisations.

We achieve this on the MSc programme by seeking to:

- Develop management professionals with sound data analytics methods to improve business decision-making underpinned by a theoretical understanding of organisational activities and the complexities that arise in the management of these because of the interrelationships that exist between them.
- Develop competence in a range of analytical and personal skills necessary to enable the student to make an effective and immediate contribution to the performance of an organisation in a range of functional areas.
- Develop a critical awareness of the current issues affecting the discipline and the knowledge, skills, and expertise to assist organisations in achieving a sustainable business future.

- Help those with knowledge and expertise in other disciplines to make the transition to the business and management world and assist them in developing their existing skills and knowledge within the business and management context.
- Provide the knowledge and skills to assist the student to take an active role in their future development as professional managers in a dynamic and changing global environment and to contribute effectively to their chosen profession.

Programme learning outcomes

Students eligible for the FHEQ Level 7 Degree award of Master should be able to:

1. Explain and critically apply theories on emerging logistics, data analytics and supply chain management issues, supply chain analytics and technology management, freight transport, procurement, and quality management systems.
2. Integrate theories on managing supply chain operations and organisations (stemming from logistics and supply chain management frameworks) within the changing context of global business management
3. Critically evaluate how the interrelationships between logistics, data analytics and supply chain management contribute to addressing contemporary societal challenges at national, regional, and global levels.
4. Systematically differentiate organisational and management approaches, knowledge creation, and resource allocation strategies that shape logistics and supply chain management across diverse companies, including multinational enterprises.
5. Evaluate the business efficiency and effectiveness of logistics, data analytics and supply chain issues that managers face in organisations notwithstanding the need to cope constructively with societal challenges and global uncertainty.
6. Exhibit the capacity to think critically, creatively, and comparatively about responsible management behaviours and sustainable organisational processes in relation to logistics and supply chain management.
7. Apply appropriate data analytics techniques and concepts towards the examination of empirical logistics and supply chain management issues leading to well-considered and plausible conclusions.
8. Demonstrate advanced communication skills by effectively articulating and debating complex discipline-specific issues in both written and oral formats.
9. Demonstrate initiative and independence in systematic academic inquiry, using relevant techniques and technologies to gather, evaluate and manage evidence, data, and information from valid, appropriate sources.

10. Exhibit data analytics, research and enquiry skills using library-based and online data sets, corporate sources and reports and produce an original, substantial, and complex project (with appropriate ethical approval) within a specified timeframe.
11. Exhibit concise, pertinent, and well-structured written communications, using IT media and applications (as appropriate) to support the preparation and presentation of findings.
12. Recognise and critically reflect on one's own perspectives, values, and approaches to interpreting information in one's own academic work.

Assessment strategy

The assessment strategy for this programme is based on principles of constructive alignment, diversity, and inclusion. It employs a well-developed range of formative and summative assessments tasks which are designed to help students to develop and demonstrate knowledge and understanding as well as a skill set in accordance with the learning outcomes for the programme overall and for specific modules. Our overall strategy aims to develop the ability to succeed in a global context, and to assist individuals to take effective roles within them in a balanced and diverse range of assessment tasks.

The formative assessment strategy includes monitoring student's learning throughout each semester, using a range of class and seminar activities, personal tutors, project supervision and a variety of coursework, including essays, reflective notes, literature reviews, oral or audio-visual presentations, and group and individual tasks for which formative feedback is given.

The programme is summatively assessed by a mixture of assessed coursework and applied coursework requiring the use of specialist computer software used on this programme as well as case studies, group projects and multimedia presentations.

Learning outcomes 1 to 7 are focused on subject knowledge and skills aimed to equip the student with the practical ability to directly contribute to a logistics and supply chain management role. They are assessed by a mixture of individual pieces of coursework and group work, including multimedia presentations.

Learning Outcomes 8 to 11 are focused on the transferable skills that are so important to employability, such as communication, practical creativity and self-awareness. Learning Outcome 12 is about professional behaviours. These LOs are assessed by a mixture of individual coursework, group coursework, individual and group presentations (including multi-media), and individual coursework.

Learning and teaching strategy

This programme aims to integrate applied and theoretical knowledge with assessment processes that assess both knowledge of the discipline and understanding of its application and limitations. The learning and teaching strategy puts significant emphasis on the development of analytical, practical, and interpersonal skills. Throughout the programme, students will be actively engaged in

a diverse range of learning activities designed to develop their capacities for thoughtful analysis and reflective practice.

Learning strategies have been developed to be inclusive of those with needs, adopting small group seminars and electronic support mechanisms. Teaching on the programme will take different formats and will be directed, supported and reinforced through a combination of formal lectures, staff/student led group tasks and discussions, simulations, personal research and guided self-study, tutorials, seminars and directed reading. Sessions may be delivered weekly or in blocks. Small Group sessions will use case studies and simulations with formative feedback given in class. Students will be guided to suitable primary and secondary data sources and be required to conduct statistical analyses (e.g. chi-square test, t-test, ANOVA, and regression analysis), research and presentation exercises. These activities will all be further supported through face-to-face and online learning environment.

Methods of assessment are varied and linked to learning requirements. They may include essays, coursework assignments and case studies.

In addition to learning within modules, personal academic tutors will support individual academic development, by helping in analysing learning needs, developing appropriate learning strategies that enable students to reflect on their own progress. Building many varied opportunities to engage with and learn from each other on the programme is integral to fostering an inclusive learning environment.

Further, there are many opportunities to take part in exciting extra-curricular activities. Students on the programme will be taken outside the University to visit companies' sites to understand how they operate logistics and manage their supply chains to maximise supply chain surplus. This provides great opportunities for students to link theories and concepts learned during lectures with real-world operations. The faculty's own Career Booster professional development programme will offer opportunities to advance intellectual and employability skills (e.g. critical thinking, communication, teamwork, problem solving). The School of Management is very dynamic with a diverse and active Faculty and wider University. It arranges numerous events and opportunities each semester beyond the taught modules to engage with not only academic but also policy and practitioner events and issues. These include invited speakers, seminars, workshops, activities, and conferences. University wide there is support available for students for academic skills, information literacy and programming language learning.

Academic student journey

The Logistics, Data Analytics and Supply Chain Management single award programme comprises a taught component and a research element. The students will study 120 credits of taught modules and undertake 60 credits of independent research projects which culminates in the writing of their dissertation.

The programme aims to equip students with essential knowledge and data analytics skills for effective management in the field of logistics and supply chain management. The programme provides a multidisciplinary foundation, focusing on emerging trends, risk management, and

societal impact. It prepares students for further study or academic careers, guided by expert academics in logistics, business analytics, and supply chain management.

The dissertation is a 60-credit module and provides the student with the opportunity to research and prepare a substantial analysis of a specialist area of interest to them as well as demonstrate understanding of the complex policy and practical dimension of the fields, thereby preparing them with the knowledge and skills for their chosen career.

This programme is completed within 4 semesters. Students entering the full-time programme in September or January will study modules in a different order to each other as follows:

Table 1: Student journey comparison between September and January start

September Start	Study Period and Year	January Start
Start Taught Component with Semester 1 Modules	Autumn Semester 1, Year 1	/
Conclude Taught Component with Semester 2 Modules. Start Dissertation.	Spring Semester 2, Year 1	Start Taught Component with Semester 2 Modules
International Master's Summer School (Credit or attendance). Continuation of Dissertation.	Summer Semester 3, Year 1	International Master's Summer School (Credit or attendance). Start Dissertation.
Submission of Dissertation in September - complete programme. Graduation in December.	Autumn Semester 1, Year 2	Conclude Taught Component with Semester 2 Modules. Continuance of Dissertation.
/	Spring Semester 2, Year 2	Submission of Dissertation in March - complete programme.
/	Summer Semester 3, Year 2	Graduation in July.

Assessment, continuation and award regulations

This programme follows the Assessment, Continuation and Award regulations for postgraduate taught courses published on the University's Website ([Regulation 9](#)).

Award of the Masters degree requires 180 FHEQ Level 7 credits and achievement of the award learning outcomes. Students who exit the programme with 120 or 60 credits completed may be eligible for an intermediate award in line with the regulations.

The professional bodies which award credit or exemptions for this programme maintain their own criteria for awarding these. You may need to meet their requirements, including choosing specific options, in order to be eligible for any specified exemption.

Curriculum

The Master's degree in Logistics, Data Analytics and Supply Chain Management is built on a foundation of general Logistics, Supply Chain Management and Business Data Analytic modules. This programme also provides the opportunity for granular personalised learning and specialism where students can select 20 credits over the year to complete their degree.

All students study 6 core taught credits and the Dissertation, selecting 3 modules (1 from semester 1 and 2 from Semester 3 from the list for the remaining credits:

Table 2: Logistics, Data Analytics & Supply Chain Management Modules (cores/options)
FHEQ Level 7

Mod. Code	Module Title	Credit	Period	Select
MAL7501-E	Dissertation	60	NsYear	Core
OIM7502-B	Business Data Analytics	20	Sem 1	Core
OIM7501-B	Emerging Issues in Logistics and Supply Chain Management	20	Sem 1	Core
OIM7503-A	Operations Management	10	Sem 1	Core
OIM7513-A	Blockchain in Business Digitalisation	10	Sem 1	Option 1
OIM7515-A	Humanitarian Logistics	10	Sem 1	Option 2
HRM7503-A	Developing Skills for Business Leadership	10	Sem 1	Option 3
OIM7512-A	Freight Transport	10	Sem 2	Core
OIM7505-B	Procurement Fundamentals and Quality Systems	20	Sem 2	Core
OIM7504-B	Supply Chain Analytics and Technology Management	20	Sem 2	Core
SIB7506-A	International Master's Summer School	10	Sem 3	Option 4
AFE7513-A	Corporate Social Responsibility	10	Sem 2	Option 5
SIB7505-A	Technopreneurship and Innovation	10	Sem 2	Option 6
SIB7507-Z	International Master's Summer School (attendance only)	0	Sem 3	Option

This programme offers the Summer School as attendance only (Z) which allows you to select a third module within your 20 credits. You may not study SIB7506-A and SIB7507-Z together.

Study abroad opportunities

This programme is not designed to include a study abroad component. Students can explore opportunities for **short international activities** (1-6 weeks) that are held over the summer periods by speaking to the University International Opportunities team.

Students are also welcome to explore available opportunities for a **Study Abroad Semester** that may be viable for them via our International Opportunities team.

This option can be available ONLY if the modules offered by the host institution allow the student to meet the learning outcomes of the Bradford Programme during Semester 1 OR Semester 2 AND if such study abroad will not affect the accreditation of the final award.

Any student wishing to study abroad for a semester should first contact the International Opportunities Team to explore the opportunities and funding in place and, secondly, the Faculty Exchange Coordinator to check if the available options and relevant modules are in line with the University requirements. Following these checks, the International Opportunities Team and the Faculty Exchange Coordinator will liaise with the relevant Programme Leader to validate the modules and the semester exchange.

The semester exchange requires students to study only modules suitable to the Bradford programme when abroad. Therefore, all modules selected for the exchange will have to be mapped to the Bradford programme learning outcomes and be approved by the Programme Leader in Bradford in advance of the exchange. During the exchange, if the student needs to change the modules, this can only be done after the approval of the Programme Leader. Please note that CIPS and CILT reserve the right to withhold professional accreditation of your award if you study substitute modules that are not relevant to logistics, data analytics and supply chain.

If the student fails a module abroad, the student must immediately inform the International Opportunities Team and the Faculty Exchange Coordinator and explore the possibility of re-taking any exams at the host institution.

During the exchange, students will have support from the relevant University services. All credit successfully obtained whilst on study abroad semester will count towards the student's final degree. Our International Opportunities team can advise students about the available funding to support their study or work experience abroad.

Further information about [internships and placements](#) and [study abroad opportunities](#) is published on the University's website.

Admissions requirements

We are proud to be [one of the most inclusive universities in the UK](#). All our students have potential, and we believe that as many people as possible should have the chance to benefit from higher education, no matter what their background or circumstances.

We take the time to understand the background of our applicants, understand their journey to education, and make decisions based on an applicant's potential to thrive at university and beyond.

Our Master's programme in Logistics, Data Analytics and Supply Chain Management is designed for those considering broadening their knowledge beyond their existing discipline and securing a career in logistics, supply chain and transport field. The programme is designed with inputs from logistics and supply chain professionals and focuses on the integration of data analytics techniques relating to this business field.

As the programme is taught in English, all applicants are required to have GCSE Grade 4 (national grade C) or above in English Language. Alternative RQF Level 2 qualifications such as Key Skills are also acceptable if equivalent. For international students, the level of English required is listed on the [University of Bradford English language requirements website](#). Exceptionally, holders of a UK degree awarded within 2 years prior to entry to the Bradford programme may be exempt from these English test requirements.

Applicants typically have a 2:2 (or above) UK Honours degree in business and management, engineering or a related discipline from an approved higher education institution. Examples of other equivalent international qualifications are provided on the [University of Bradford page for your country or region](#).

Equivalent professional qualifications will also be eligible if supported with appropriate practical experience in this field. Applications are welcome from students with non-standard qualifications and/or students without formal qualifications who have relevant work experience. Non-graduates will be considered on a case-by-case basis following the evaluation of their evidence of prior entrepreneurial or work experience and/or non-degree training received.

If applicants have prior certificated learning or professional experience which may be equivalent to parts of this programme, the University of Bradford has procedures to evaluate and recognise this learning to provide applicants with exemptions from specified modules or parts of the programme. Find more information about [recognition of prior learning decisions](#) on the University website.

If you are thinking of coming or have recently applied to the University of Bradford, don't wait until you have arrived to contact our Disability Service. We can arrange for you to talk to a member of our team about what support is on offer here at the University including an invitation to our Get Set Day. To contact the Disability Service please complete the [request support form](#).

Information in this document is for the contemporary recruitment cycle and was accurate at time of publication. The current tariff and accepted qualifications for entry onto the programme is published at the online course page:

<https://www.bradford.ac.uk/courses/pg/logistics-data-analytics-supply-chain-management/>