Programme Specification

1. Programme title	MSc Automation and Digital Manufacturing
2. Awarding institution	Middlesex University
3a. Teaching institution	Middlesex University
3b. Language of study	English
4a. Valid intake dates	September
4b. Mode of study	FT/PT
4c. Delivery method	On-campus/Blended Distance Education
5. Professional/Statutory/Regulatory body	N/A
6. Apprenticeship Standard	N/A
7. Final qualification(s) available	MSc Automation and Digital Manufacturing PgDip Automation and Digital Manufacturing PgCert Automation and Digital Manufacturing
8. Year effective from	2023-4

9. Criteria for admission to the programme

We normally require a second class honours degree 2:2 or above in computer science, science or engineering disciplines. We also encourage applications from experienced engineers or graduates from wider engineering disciplines.
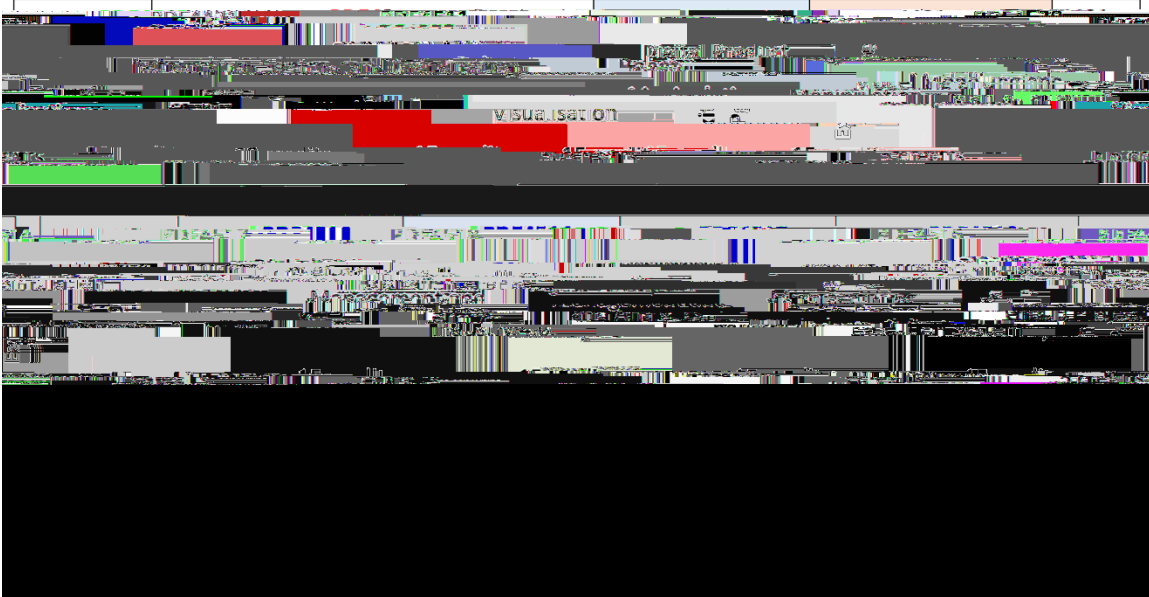
Candidates with other degrees are welcome to apply provided they can demonstrate appropriate levels of relevant experience. Candidates without formal qualifications need to demonstrate relevant work experience and the ability to study at postgraduate level.

5. Formulating and applying fundamental simulation techniques using systems approach to real-world manufacturing processes and systems. 6. Designing solutions for complex problems to address stakeholder needs (user, business, societal, environmental, cultural, diversity, inclusion, etc.), as well as complying with constraints such as commercial, legal, professional and industry standards.	
B. Skills	

12. Programme structure (levels, modules, credits and progression requirements)

12. 1 Overall structure of the programme

Full Time:

P Part-time:

16. Particular support for learning (if applicable)

Programme outcomes												
A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6	B7
Highest level achieved by all graduates												
7	7	7	7	7	7	7	7	7	7	7	7	7

Module Title	Module Code	A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6	B7
Robot Manipulation	PDE4431	X	X					X	X					X
Digital Product Modelling and Visualisation	PDE4511	X				X		X		X				X
Product Lifecycle Management and Industry 4.0	PDE4514			X			X				X	X		X
Process Simulation and Analytics	PDE4516			X		X		X		X		X		