MSc Mechatronic Systems Engineering

How the new Learning Framework will affect this programme of study

Faculty of Science and Technology

Introduction

Middlesex University takes student feedback very seriously. We're recognised as one of the **top 5 universities in the country** for responding to student feedback.

Over the last few years, we've been working in partnership with our Students' Union (MDXSU) to gather your feedback about the structure of programmes and teaching across Middlesex. We've been asking for students' views through surveys, collecting feedback shared with student representatives (Student Voice Leaders), running pop-up stalls on campus and organising focus groups.

We're using this feedback to make changes to our Learning Framework – our structure for how our modules, programmes and academic year are designed to best support student learning and success.

This document summarises all the changes to the structure and delivery of MSc Mechatronic Systems Engineering. These changes will take place from the start of the 2025/26 academic year. Page 3 of this document summarises the new structure of your programme and how this compared to your current (old) structure. Page summarises changes to the delivery of your programme.

If you're expecting to Graduate this summer, you will not be affected by these changes.

Where to go if you have questions or concerns

For applicants, please direct any questions about changes to your programme to the Applicant Engagement Team. Please email postgraduate@mdx.ac.uk | phone: 0208 411 5555 or use our live chat function on the University website (www.mdx.ac.uk)

For current students, please check out our frequently asked questions. These will hopefully cover any questions or perceived issues that you may have. If you do not find an answer to your question, please get in touch with UniHelp. Our UniHelp staff will either be able to resolve your query directly or will liaise with your Programme Leader to gather more details.

Changes to the structure of your programme

This section provides a visual summary of how MSc Mechatronic Systems Engineering is currently structured and how it will be structured from 2025/26 in the new academic year. Within the new programme structure, you can see all the modules taught across your programme.

New programme structure

Programme structure for full-time students. All modules named within programme diagrams are mandatory, with slots for potential optional modules also included. The number of credits for each module are given within brackets.

For students that do not study full time e.g. part time students, please contact your Programme Leader for how this change will affect your study.

	Semester 1	**Semester 2**	**Semester 3**
Year 1	Sensing and Motion Control [30]	Machine Learning for Engineers [15]	Individual Project [60]
	Robot Manipulation [15]	Engineering Sustainability [15]	
	Digital Product Modelling and Automation [15]	Mechatronics Systems Integration Group Project [30]	

MSc Mechatronic Systems Engineering with Professional Placement (15 months / 24 months) Structure

	Semester 1	**Semester 2**	**Semester 3**
Year 1	Sensing and Motion Control [30]	Machine Learning for Engineers [15]	Individual Project [60]
	Robot Manipulation [15]	Engineering Sustainability [15]	
	Digital Product Modelling and Automation [15]	Mechatronics Systems Integration Group Project [30]	
Year 2	PDE4262 Postgraduate Professional Placement (extended) [0] Or PDE4261 Postgraduate Professional Placement [0]		

Current (old) programme structure

Please note that this is the current programme structure – this will not continue into the 2025/26 academic year

	Semester 1	Semester 2	Semester 3
Year 1	Robot Control [30]	Machine Learning for Robotics [15]	Individual Project [60]
	Robot Manipulation [15]	Product Lifecycle Management and Industry [15]	
	Digital Product Modelling and Visualisation [15]	Mechatronics Systems Integration Group Project [30]	

Changes to the delivery of your programme

Utilising all the feedback from students, we have made some changes to the way that all programmes at Middlesex will be delivered, ensuring that we are best able to support your learning and success.

A more consistent structure to our academic year

We will adjust the structure of our academic year into three 12-week semesters. Full time students will usually study modules in the first two semesters, with a third semester to provide more flexibility for students who need to re-sit assessments or catch up in other ways.

This new structure also sets us up for the future, by making it easier to provide opportunities for students to join Middlesex at different points in the year.

Your programme will consist of 15, 30 or 60 credit modules each semester for full-time postgraduate students.

Integrated curriculum design

We receive a lot of positive feedback from students on programmes that were **practical and clearly embedding competencies needed by employers**. Our framework will ensure that all programmes reflect this Middlesex approach and allow you to **better differentiate yourself in the graduate marketplace**. A set of graduate competencies will be embedded into the content on your programme, to ensure that you can gain these skills as part of your studies. We also expect programmes to include embedded approaches to developing key IT skills for your subject area.

Assessment

We have received so much helpful feedback from students on what helps them to submit their best work in assessments and what makes it more challenging. We expect that the new structure of programmes will mean that students have fewer assessments throughout the year, which allows students to focus better on each assessment point.

Re-takes and re-submission of assessments can be extra challenging if it takes place long after a module has happened. Where possible, we will introduce a new approach where these re-assessments take place before the end of the relevant module.

We also will be phasing out our current 20-point scale for assessment results, to be replaced with a much more intuitive percentage scale.