

**Predefined Learning Agreements of the MSc Program in Automation Engineering and Control of Complex Systems**

(document updated: 2 march 2026)

**List of Inter-istitutional agreements involving the MSc Program**

<b>ISCED</b>	<b>Reference</b>	<b>Erasmus code</b>	<b>Partner University</b>
0714	ANTONIO GAGLIANO	E LLEIDA01	UNIVERSIDAD DE LLEIDA
0714	EGIDIO RAGONESE	NL EINDHOV17	TECHNISCHE UNIVERSITEIT EINDHOVEN
0714	SALVATORE PENNISI	F STRASBO48	UNIVERSITE DE STRASBOURG
0714	CARLO TRIGONA	PL LUBLIN03	POLITECHNIKA LUBELSKA
0714	BRUNO ANDO'	PL WARSZAW02	POLITECHNIKA WARSZAWSKA
0714	MAIDE BUCOLO	MT MALTA01	UNIVERSITA TA MALTA
0714	MAIDE BUCOLO	HU BUDAPES12	PAZMANY PETER KATOLIKUS EGYETEM
0714	MAIDE BUCOLO	P PORTO05	INSTITUTO POLITECNICO DO PORTO
0714	MAIDE BUCOLO	F TOULOUS14	INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE TOULOUSE INSAT
0714	PAOLO ARENA	DK ODENSE01	SYDDANSK UNIVERSITET
0714	ARTURO BUSCARINO	E BARCELO03	UNIVERSITAT POLITECNICA DE CATALUNYA
0714	ARTURO PAGANO	D WOLFENB01	OSTFALIA HOCHSCHULE FUER ANGEWANDTE WISSENSCHAFTEN HOCHSCHULE BRAUNSCHWEIG WOLFENBUTTEL
0714	SALVATORE PENNISI	F PARIS481	Universite Paris-Saclay
0714	BRUNO ANDO'	S MIDSWED01	MITTUNIVERSITETET
0714	MARIO CACCIATO	E GRANADA01	UNIVERSIDAD DE GRANADA
0714	DARIO SANALITRO	F TOULOUS03	UNIVERSITE PAUL SABATIER TOULOUSE III
0714	MARIO CACCIATO	E ZARAGOZ01	UNIVERSIDAD DE ZARAGOZA
0714	LUCIA VALENTINA GAMBUZZA	CZ BRNO01	VYSOKE UCENI TECHNICKE V BRNE
0714	ARTURO BUSCARINO	N OSLO60	OsloMet – Oslo Metropolitan University

The following learning agreements should be intended as a guide for the preparation by the student of their own learning agreement. Students should always check in the didactic offer of the partner university if the courses are still available and the year and semester when they are given. Learning agreements are in any case to be approved by the partner university.

**Learning agreements approved in the A.Y. 2022/23, 2023/24, and 2024/25**

<b>Host University</b>	<b>Academic Year and semester</b>	<b>Subjects at the Host University</b>	<b>CFU at Host University</b>	<b>Subjects at UNICT</b>	<b>CFU at UNICT</b>
<i>Universita ta Malta (MT MALTA 01)</i>	<i>AY 23/24 II semester of second year</i>	<i>Digital VLSI + Introduction to Material Science</i>	5+3	<i>Insegnamento a scelta</i>	9
		<i>Industrial Systems</i>	5	<i>Industrial automation</i>	6
		<i>Robotics 1 + Image Analysis and Computer Vision</i>	5 + 5	<i>Robotics</i>	9

<b>Host University</b>	<b>Academic Year and semester</b>	<b>Subjects at the Host University</b>	<b>CFU at Host University</b>	<b>Subjects at UNICT</b>	<b>CFU at UNICT</b>
<i>Institut National des Sciences Appliquees de Toulouse INSAT (F TOULOUS14)</i>	<i>AY 23/24 II semester of second year</i>	<i>Practical work in control + French course</i>	3+3	<i>Insegnamento a scelta</i>	9
		<i>Discrete and Continuous Systems Optimization</i>	5	<i>Industrial automation</i>	6
		<i>Thesis</i>	16	<i>Thesis</i>	16

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<i>Universitat Politecnica de Catalunya (E BARCELO03)</i>	<i>AY 22/23 II semester of second year</i>	<i>Research seminars + Agile methodologies and processes for the creation of innovative solutions</i>	3+3	<i>Insegnamento a scelta</i>	9
		<i>Simulation of industrial process</i>	7,5	<i>Industrial automation</i>	6
		<i>Mobile robots</i>	3	<i>Extra credits</i>	3

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<i>Instituto Politecnico do Porto (P PORTO05)</i>	<i>AY 22/23 II semester of second year</i>	<i>Green technologies + Portuguese Language Course</i>	5,5 + 6	<i>Materials Science and Technologies</i>	9
		<i>Automation II</i>	5	<i>Industrial automation</i>	6
		<i>Thesis</i>	13	<i>Thesis</i>	13

<b>Host University</b>	<b>Academic Year and semester</b>	<b>Subjects at the Host University</b>	<b>CFU at Host University</b>	<b>Subjects at UNICT</b>	<b>CFU at UNICT</b>
<i>Instituto Politecnico do Porto (P PORTO05)</i>	<i>AY 24/25 I semester of second year</i>	<i>Advanced control systems + Mechatronics laboratory</i>	6+6	<i>Complex Adaptive Systems and Biorobotics</i>	12
		<i>Automotive systems + Real-time systems</i>	5+4	<i>Process Modeling and Control</i>	9

### Predefined learning agreements

Host University	Semester	Subjects at the Host University	CFU at Host University	Subjects at UNICT	CFU at UNICT
TECHNISCHE UNIVERSITEIT EINDHOVEN (NL EINDHOV17)	I semester of second year	System Identification+Physical and data-driven modelling	5+5	Process modeling and control	9
		Model predictive Control+Advanced Process Control	5+5	Complex adaptive systems + Biorobotics	12
		Engineering Optimization+Embedded Control Systems	5+5	Insegnamento a scelta	9

Host University	Semester	Subjects at the Host University	CFU at Host University	Subjects at UNICT	CFU at UNICT
TECHNISCHE UNIVERSITEIT EINDHOVEN (NL EINDHOV17)	II semester of second year	Learning control+Vehicle control	5+5	Insegnamento a scelta	9
		Hybrid systems and control	5	Industrial automation	6
		Mobile Robot Control+ Haptics - perception and technology	5+5	Robotics	9

Link to the University web page:

[https://assets.w3.tue.nl/w/fileadmin/Education\\_Guide/Mechanical%20Engineering/Graduate%20School/2024-2025/IMs/SC/Overview%20Core%20and%20Specialisation%20Courses%20SC%202024-2025.pdf?\\_gl=1\\*e53tji\\*\\_ga\\*NDlwMDI5Nzg2LjE3NDY2MDkzMDM.\\*\\_ga\\_JN37M497TT\\*czE3NDY2MDkzMDIkbzEkZzEkdDE3NDY2MDk0NTEkajMkbDAkaDA.\\*\\_gcl\\_au\\*MTAwNDMzOTE5OS4xNzQ2NjA5MzEw](https://assets.w3.tue.nl/w/fileadmin/Education_Guide/Mechanical%20Engineering/Graduate%20School/2024-2025/IMs/SC/Overview%20Core%20and%20Specialisation%20Courses%20SC%202024-2025.pdf?_gl=1*e53tji*_ga*NDlwMDI5Nzg2LjE3NDY2MDkzMDM.*_ga_JN37M497TT*czE3NDY2MDkzMDIkbzEkZzEkdDE3NDY2MDk0NTEkajMkbDAkaDA.*_gcl_au*MTAwNDMzOTE5OS4xNzQ2NjA5MzEw)