Ollscoil Mha Nuad
Maynooth University

Oifig Taifead na Mac Leinn agus Claruchain
Student Records and Registration Office

Maynooth University
National University of Ireland Maynooth

29th July 2024

CLASS RANKING

Name: HANLIN CAI

Date of Birth: 01-NOV-2002

Overall Rank of Qualification:

Bachelor of Science Degree (Robotics and Intelligent Devices)

Final Year	2024	Ranked 1st out of a class of 51

Qualification:

Bachelor of Science Degree (Robotics and Intelligent Devices)

4th Year	2024	Ranked 1st out of a class of 51
3rd Year	2023	Ranked 1st out of a class of 52
2nd Year	2022	Ranked 14th out of a class of 55
1st Year	2021	Ranked 22nd out of a class of 54

Subject

Robotics and Intelligent Devices

4th Year	2024	Ranked 1st out of a class of 51

Signed _____
Student Records and Registration Office

STUDENT RECORDS and REGISTRATION OFFICE
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National University of Ireland Maynooth

Academic Transcript

Name: **Hanlin Cai**
Student Number: **20122161**
Date of Birth: **01st November 2002**

Qualification Award Details

Qualification:	Bachelor of Science in Robotics and Intelligent Devices
Programme:	BSc in Robotics and Intelligent Devices
NFQ Level:	Level 8 Honours Bachelor Degree
Pathway:	Single Major Pathway
Award Credits:	250
Award Mark:	88.1
Award Classification:	1ST CLASS HONOURS
Award Date:	29th May 2024
Conferring Date:	22nd June 2024
Subject(s)	Robotics and Intelligent Devices Credits: 250

Academic Year: 2020/21
Programme: BSc in Robotics and Intelligent Devices **Annual Credits Passed: 60**
NFQ Level: Level 8 Honours Bachelor Degree **Annual Mark: 78.3**
Period of Study: First Year **Annual Result: Progress**

Subject Code	Module Code	Description	Credits Attempted	Credits Earned	Mark %	Result	Indicator
IEC1RSM		**Robotics and Intelligent Devices**	**60**	**60**	**78.3**	**Pass**	
	CS161FZ	Introduction To Computer Science I	7.5	7.5	82	Pass	
	CS162FZ	Introduction To Computer Science II	7.5	7.5	70	Pass	
	EE103FZ	Digital Systems	5	5	89	Pass	
	EE104FZ	Physics For Engineers 1	5	5	84	Pass	
	EE106FZ	Mathematics I	5	5	84	Pass	
	EE110FZ	Physics For Engineers 2	5	5	80	Pass	
	EE112FZ	Mathematics II	5	5	78	Pass	
	EE114FZ	Introduction To Systems and Control	5	5	80	Pass	
	EE121FZ	Electronic Engineering Fundamentals	7.5	7.5	66	Pass	
	EE181FZ	Critical Skills Project (Robotics)	7.5	7.5	78	Pass	

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Academic Year: 2021/22
Programme: BSc in Robotics and Intelligent Devices **Annual Credits Passed: 60**
NFQ Level: Level 8 Honours Bachelor Degree **Annual Mark: 80.3**
Period of Study: Second Year **Annual Result: Progress**

Subject Code	Module Code	Description	Credits Attempted	Credits Earned	Mark %	Result	Indicator
IEC2RSM		**Robotics and Intelligent Devices**	**60**	**60**	**80.3**	**Pass**	
	CS210FZ	Algorithms & Data Structures 1	5	5	83	Pass	
	CS211FZ	Algorithms & Data Structures 2	5	5	72	Pass	
	CS240FZ	Operating Systems, Comms & Concurrency	5	5	92	Pass	
	EE108FZ	Computing For Engineers	5	5	71	Pass	
	EE204FZ	Analogue Electronics 1	5	5	78	Pass	
	EE206FZ	Differential Equations and Transform Methods	5	5	77	Pass	
	EE208FZ	Object-Oriented Programming	5	5	82	Pass	
	EE211FZ	System Dynamics	5	5	74	Pass	
	EE213FZ	Introduction To Signal Processing	5	5	74	Pass	
	EE220FZ	Intelligent & Connected Machines in Society	5	5	78	Pass	
	EE297FZ	Signals and Systems Integration Project	10	10	91	Pass	

Academic Year: 2022/23
Programme: BSc in Robotics and Intelligent Devices **Annual Credits Passed: 60**
NFQ Level: Level 8 Honours Bachelor Degree **Annual Mark: 88.7**
Period of Study: Third Year **Annual Result: Progress**

Subject Code	Module Code	Description	Credits Attempted	Credits Earned	Mark %	Result	Indicator
IEC3RSM		**Robotics and Intelligent Devices**	**60**	**60**	**88.7**	**Pass**	
	CS323FZ	Robotics and Automation	5	5	86	Pass	
	EE301FZ	Signals & Systems	5	5	80	Pass	
	EE302FZ	Real-Time and Embedded Systems	5	5	86	Pass	
	EE304FZ	Probability and Statistics	5	5	84	Pass	
	EE308FZ	Software Engineering	5	5	95	Pass	
	EE311FZ	Control System Design	5	5	93	Pass	
	EE381FZ	Industrial Work Experience	25	25		Pass	
	EE382FZ	Work Placement Documentation (Ee & Rids)	5	5	97	Pass	

Academic Year: 2023/24
Programme: BSc in Robotics and Intelligent Devices **Annual Credits Passed: 70**
NFQ Level: Level 8 Honours Bachelor Degree **Annual Mark: 89.0**
Period of Study: Fourth Year **Annual Result: Awarded**

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Subject Code	Module Code	Description	Credits Attempted	Credits Earned	Mark %	Result	Indicator
IEC4RSM		**Robotics and Intelligent Devices**	**70**	**70**	**89.0**	**Pass**	
	CS401FZ	Machine Learning and Neural Networks	5	5	91	Pass	
	CS402FZ	Parallel and Distributed Systems	5	5	84	Pass	
	CS410FZ	Computer Vision	5	5	93	Pass	
	CS427FZ	Autonomous Mobile Robotics	5	5	95	Pass	
	EE401FZ	Digital Signal Processing	5	5	93	Pass	
	EE402FZ	Computer and Communications Networks	5	5	91	Pass	
	EE403FZ	Unconstrained Optimisation	5	5	94	Pass	
	EE406FZ	Computer Control Systems	5	5	85	Pass	
	EE413FZ	Robotic Actuation and Sensing	5	5	66	Pass	
	EE414FZ	Computation and Simulation	5	5	70	Pass	
	EE496FZ	Robotics Final Year Project	20	20	96	Pass	

Signed: Ann O'Shea

Information explaining the content of this Transcript is contained in the Explanatory Notes that follow.

End of Document

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Maynooth University Academic Transcript

European Credit Transfer System

Maynooth University uses the European Credit Transfer System (ECTS). A full-time academic year of study over two semesters (9 months) is the equivalent of 60 credits. A full-time calendar year of study (12 months) may accumulate up to 90 credits.

National Framework of Qualification (NFQ)

Maynooth University Awards are assigned a level according to the Irish National Framework of Qualifications. http://www.nfq-qqi.com/

In this framework the main university awards are classified as follows:

Award	Level
Honours Degree Higher Diploma	8
Master's Degree Postgraduate Diploma	9
Doctoral Degree	10
Certificate	Multiple levels

Maynooth University Award Standards

Where University awards are classified, the following standards are used. Some awards, including PhD, taught doctorates, and research Master's degrees, are not classified.

	Award Mark
First Class Honours	70-100%
Second Class Honours Grade I	60-69%
Second Class Honours Grade II	50-59%
Third Class Honours	45-49%
Pass	40-44%

Subject and Module result codes and descriptions

First Class Honours	1H
Second Class Honours Grade I	2H1
Second Class Honours Grade II	2H2
Third Class Honours	3H
Pass	P
Progress	PP
Pass by Compensation	PC
Pass : No Progression	PN
Technical Fail	TF
Incomplete/Not Passed	NP
No Progress	FN
Fail	F

Older Awards

Pre 2004/2005: awards were not modular.

Pre 2015/2016: annual and subject results were classified in each year.

Post 2016: Awards are classified; other annual results and subjects are not classified.

More information?

For more information, see the University Marks and Standards available on the University Policies pages at: https://www.maynoothuniversity.ie/university-policies/

How to read this transcript

The transcript is laid out in chronological order.

Period of study

A programme of study may be divided into periods of study, which are normally academic years. Students are normally required to reach a certain standard in each period of study before progressing to the next.

Annual mark

The annual mark is the credit weighted average of modules which were passed (earned credits) during the period of study, excluding modules assessed on an undergrad basis, and eliminating duplicate results for modules which were repeated. The annual mark is displayed as Null if the student is not eligible to progress; or if results are not yet available; or if no mark was calculated.

Award mark

In multi-annual programme the award mark is calculated as defined in the University Marks and Standards. The normal weightings are as shown below. Where students take a period of study abroad, or are on a placement, this is normally excluded from calculation of the award mark.

Programmes	Composition of award mark	
Three year undergraduate programmes	Second year Final year	30% 70%
Four year undergraduate programmes	Second year Third year Final year	10% 20% 70%
Taught postgraduate programmes	Credit weighted average of all modules earning credits	
Research programmes	Based on assessment of thesis	

Note: The composition of the final award mark was based 100% on the final year marks for

- Pre-2018 three year undergraduate programmes; and
- Pre-2019 four year undergraduate programmes.

Subject mark

The subject mark is calculated as the credit weighted average of the modules taken in the subject in the period of study, excluding modules assessed on an ungraded basis, and eliminating duplicate results for modules which were repeated.

Indicators

Best mark, 'B', indicates that a better mark from a previous attempt at the same module has been carried forward and displayed as the module mark.

Capped mark, 'C', indicates that the module mark was capped because a module condition was not met.

Resits, 'RS', indicates that the subject/module was taken as a resit in the Autumn supplemental examinations.

IELTS™

Test Report Form

ACADEMIC

NOTE *Admission to undergraduate and post graduate courses should be based on the ACADEMIC Reading and Writing Modules. GENERAL TRAINING Reading and Writing Modules are* ***not*** *designed to test the full range of language skills required for academic purposes. It is recommended that the candidate's language ability as indicated in this Test Report Form be re-assessed* ***after two years*** *from the date of the test.*

Centre Number	CN902	Date	12/JUN/2024	Candidate Number	522188

Candidate Details

Family Name	CAI
First Name(s)	HANLIN
Candidate ID	350581200211013015

Date of Birth	01/11/2002	Sex (M/F)	M	Scheme Code	Private Candidate

Country or Region of Origin	CHINA (PEOPLE'S REPUBLIC OF)
Country of Nationality	
First Language	CHINESE

Test Results

Listening	8.5	Reading	9.0	Writing	6.5	Speaking	6.5	Overall Band Score	7.5	CEFR Level	C1

Administrator Comments

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Validation stamp

IELTS

Administrator's Signature

Date	14/06/2024	Test Report Form Number	24CN522188CAIH902A

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Ollscoil Mhá Nuad
Maynooth University

Maynooth International Engineering College
福州大学梅努斯国际工程学院

29th of October 2024

Reference:

Student Name: Hanlin Cai, Student Number: 20122161

To whom it may concern,
Hanlin completed the Bachelor of Science in Robotics and Intelligent Devices at Maynooth International Engineering College (MIEC), Fuzhou University. He graduated in June 2024 with 1st Class Honours.

MIEC was established between Maynooth University in Ireland and Fuzhou University in China. Our lecturers follow the Maynooth University curriculum on all modules. The entire programme is taught and assessed through English.

All students have completed their studies entirely through English and have completed a 2 year English language course while completing degree studies.

Yours Sincerely,

Joanne Bredin

_____.
Joanne Bredin
(MIEC Administration Officer)

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