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University of Waterloo
200 University Ave. West
Waterloo Ontario
Canada
N2L3G1



Graduate Official Transcript

Name: Lei, Xiaomeng

Student ID: 20955689

Ontario Education Nbr: 209595842

Degrees Awarded

Degree: Master of Applied Science

Confer Date: 10/10/2023

Electrical and Computer Engineering, MASC

Beginning of Graduate Record

Fall 2021

Program: Electrical & Computer Engineering, MEng

Attendance: Full-Time **Term:** 1.00 **Status:** Enrolment

Course	Description	Attempted	Earned	Grade
ACINTY 620	Academic Integrity Module	0.00	0.00	CR
CO 602	Fundamentals of Optimization	0.00	0.00	AUD
ECE 606	Algorithm Design and Analysis	0.50	0.50	97

Winter 2022

Program: Electrical and Computer Engineering, MASC

Attendance: Full-Time **Term:** 2.00 **Status:** Enrolment

Course	Description	Attempted	Earned	Grade
CS 686	Introduction to Artificial Intelligence	0.50	0.50	83
GS -	Continuing Graduate Studies	0.00	0.00	

Spring 2022

Program: Electrical and Computer Engineering, MASC

Attendance: Full-Time **Term:** 3.00 **Status:** Enrolment

Course	Description	Attempted	Earned	Grade
CS 680	Introduction to Machine Learning	0.50	0.50	74
GS -	Continuing Graduate Studies	0.00	0.00	

Fall 2022

Program: Electrical and Computer Engineering, MASC

Attendance: Full-Time **Term:** 4.00 **Status:** Enrolment

Course	Description	Attempted	Earned	Grade
ECE 650	Methods and Tools for Software Engineering	0.50	0.50	95
EMLS 602R	Scholarly Writing in English	0.50	0.50	CR
GS -	Continuing Graduate Studies	0.00	0.00	

Winter 2023

Program: Electrical and Computer Engineering, PhD

Attendance: Full-Time **Term:** 5.00 **Status:** Enrolment

Course	Description	Attempted	Earned	Grade
GS -	Continuing Graduate Studies	0.00	0.00	

Spring 2023

Program: Electrical and Computer Engineering, MASC

Attendance: Full-Time **Term:** 6.00 **Status:** Enrolment

Course	Description	Attempted	Earned	Grade
ECE 657	Tools of Intelligent Systems Design	0.50	0.50	85
GS -	Continuing Graduate Studies	0.00	0.00	WD

Degree Completed **Date:** 08/30/2023



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Graduate Official Transcript



Name: **Lei, Xiaomeng**

Student ID: **20955689**

Ontario Education Nbr: **209595842**

Milestones

Program: **Engineering Master's
Master's Seminar**

Status: **Completed**
Date Completed: **08/10/2023**
Grade: **CR**

Master's Thesis
Status: **Completed**
Date Completed: **08/21/2023**

Milestone Title: **The Hardness of Learning Access Control Policies**
Grade: **ACC**

End of Graduate Official Transcript

Grading

Effective Fall 2001

Graduate Studies

Averages are reported in all Faculties as percentages. Average calculation values are used for overall averages for students with letter grades on their records.

Numeric grades on a scale from 0 – 100 as well as CR and NCR will be used by all Faculties. Grades for all courses taken prior to Fall 2001 appear on transcripts either as one of 10 letter grades from A+ to F, or as numeric grades on a percentage scale.

Any course with a numeric grade below 60 will not be counted for credit and is considered a failure. In some programs a grade higher than 60 is required for the course to count towards degree completion.

Undergraduate Studies

Averages are reported in all Faculties as percentages. Average calculation values are used for overall averages for students with letter grades on their records.

Numeric grades on a scale from 0 – 100 as well as CR and NCR will be used by all Faculties. Grades for all courses taken prior to Fall 2001 appear on transcripts either as one of 15 letter grades from A+ to F-, or as numeric grades on a percentage scale.

Fall 1971 to Spring 2001

Graduate Studies

<i>Assigned Letter Grade</i>	<i>Percentage Range</i>	<i>Average Calculation Value</i>
A+	90 – 100	95
A	85 – 89	89
A-	80 – 84	83
B+	77 – 79	78
B	73 – 76	75
B-	70 – 72	72
C+	67 – 69	68
C	63 – 66	65
C-	60 – 62	62
F	0 – 59	0

Undergraduate Studies

<i>Assigned Letter Grade</i>	<i>Percentage Range</i>	<i>Average Calculation Value</i>
A+	90 – 100	95
A	85 – 89	89
A-	80 – 84	83
B+	77 – 79	78
B	73 – 76	75
B-	70 – 72	72
C+	67 – 69	68
C	63 – 66	65
C-	60 – 62	62
D+	57 – 59	58
D	53 – 56	55
D-	50 – 52	52
F+	42 – 49	46
F	35 – 41	38
F-	0 – 34	32

Non-numeric Grades

Graduate Studies

<i>Grade</i>	<i>Description</i>
ACC	Accepted (thesis)
AEG	Aegrotat, credit granted due to illness or extenuating circumstances
AUD	Audit, no credit granted
CR	Credit granted
DNW	Did not write examination, no credit granted (value 0)
FTC	Failure to complete course requirements in a course with a grade of INC (incomplete), no credit granted (value 0)
INC	Incomplete course work, no credit granted
NAC	Not accepted (thesis)
NCR	No credit granted
NMR	No mark reported, no credit granted (value 0)
T	Transfer credit granted
UR	Under review, decision pending, no credit granted
WD	Withdrew, no credit granted

Undergraduate Studies

<i>Grade</i>	<i>Description</i>
AEG	Aegrotat, credit granted under extraordinary circumstances
AUD	Audit, no credit granted
CR	Credit granted
DNW	Did not write examination, no credit granted (value 32)
FTC	Failure to complete course requirements, no credit granted (value 32)
INC	Incomplete course work, no credit granted
IP	Course in progress, no grade assigned at this time and no credit granted
MM	Missing mark
NCR	No credit granted, failure recorded
NG	In progress grade
NMR	No mark reported, no credit granted (value 32)
UR	Grade under review or disciplinary proceedings underway, decision pending, no credit granted
WD	Withdrew, no credit granted
WF	Withdrew/Failure, no credit granted (value 32)

Notes

- Date format: MM/DD/YYYY.
- Milestone: A non-course requirement that must be met to receive the credential.
- Courses vary from 0.00 to 3.00 units. Most courses have a 0.50 unit and are of one-term duration. Course units are used to calculate weighted averages.
- **This transcript legend may be periodically updated.** Please visit uwaterloo.ca/registrar/transcripts/transcript-legend for the previous transcript legend.
- The University of Waterloo is a public university having full membership in the Council of Ontario Universities and the Association of Universities and Colleges of Canada. These memberships constitute full accreditation in Canada.

Graduate Studies

1. Graduate students must obtain an average of at least 70% in the set of courses they present in fulfilment of course requirements for any graduate degree. Some departments may require higher program averages or course grades for graduate degrees.
2. The grading scheme for the external institution applies to courses taken for Graduate Studies transfer credit. A grade status of "T" is applied where the grading system from an external institution differs from that of the University of Waterloo.
3. A standing of INC will convert to FTC following a lapse period of two academic terms.
4. Courses "GS – Continuing Graduate Studies" and "GS 999 Continuing Degree Requirement" are administrative courses which are not graded.

Undergraduate Studies

1. Courses with (WLU) in the description have been taught at Wilfrid Laurier University.
2. Grades for courses taken at Wilfrid Laurier University will be reported as letter grades and converted to University of Waterloo numeric values for the purpose of calculating averages.