



NAME: **Liu, Daniel Li**

ISSUED TO: **Daniel Liu**

RECORD AS OF: **2025-06-13**

STUDENT NUMBER: **1007028841**

OEN: **734236110**

BIRTH DAY/MONTH: **31/08**

REGISTRATION HISTORY

2020 Summer - 2025 Winter : Faculty of Applied Science & Engineering

Faculty of Applied Science & Engineering

Completed - 2025 Winter - Minor in Artificial Intelligence Engineering
In Progress - 2020 Fall - PEY Co-op Program

2020 Fall-Dean's Honour List
2021 Winter-Dean's Honour List
2021 Fall-Dean's Honour List
2022 Winter-Dean's Honour List
2022 Fall-Dean's Honour List
2023 Winter-Dean's Honour List
2024 Fall-Dean's Honour List
2025 Winter-Dean's Honour List

2020 SUMMER - BASC 1ST YEAR EARLY START

SESSIONAL PERS: **85.0**

CRS CODE	TITLE	WGT	MRK	GRD	CRS AVG
APS162H1	CALCULUS FOR ENGINEERS I	0.50	85	A	B

2020 FALL - BASC - MATERIALS ENGINEERING - DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING

PEY Co-op Program

SESSIONAL GPA: **3.85** CUMULATIVE GPA: **3.85**

SESSIONAL PERS: **84.0**

STATUS: **PASS WITH HONOURS**

CRS CODE	TITLE	WGT	MRK	GRD	CRS AVG
APS062H1	Calculus I (APS162 transfer cr)	0.50	85	A	
APS100H1	ORIENTATION TO ENGINEERING	0.25		H	
APS110H1	ENG.CHEMISTRY & MATERIALS SCI.	0.50	83	A-	B+
APS111H1	ENG.STRATEGIES & PRACTICE I	0.50	81	A-	B
APS163H1	CALCULUS FOR ENGINEERS II	0.50	90	A+	B+
CIV100H1	MECHANICS	0.50	80	A-	B-
MAT188H1	APP. LINEAR ALGEBRA	0.50	85	A	B+

May proceed

2021 WINTER - BASC - MATERIALS ENGINEERING - DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING

PEY Co-op Program

SESSIONAL GPA: **3.93** ANNUAL GPA: **3.88** CUMULATIVE GPA: **3.88**

SESSIONAL PERS: **90.3**

STATUS: **PASS WITH HONOURS**

CRS CODE	TITLE	WGT	MRK	GRD	CRS AVG
APS105H1	COMPUTER FUNDAMENTAL	0.50	99	A+	B-
APS112H1	ENG.STRATEGIES & PRACTICE II	0.50	80	A-	B+
ECE110H1	ELECT.FUNDAMENTALS	0.50	95	A+	B
MSE120H1	MATERIALS ENG. PROC., AND APP.	0.50	87	A	B+
MSE191H1	INTRO. TO MAT. SCI. & ENG.	0.15		CR	*

May proceed

2021 FALL - BASC - COMPUTER ENGINEERING - EDWARD S. ROGERS SR. DEPT. OF ELECTRICAL & COMPUTER ENGIN.

PEY Co-op Program

SESSIONAL GPA: **3.86** CUMULATIVE GPA: **3.87**

SESSIONAL PERS: **85.2**

STATUS: **PASS WITH HONOURS**

CRS CODE	TITLE	WGT	MRK	GRD	CRS AVG
ECE201H1	SEM: ELEC.& COMP. ENGINEERING	0.15		CR	*

ECE212H1	CIRCUIT ANALYSIS	0.50	86	A	B
ECE241H1	DIGITAL SYSTEMS	0.50	77	B+	B-
ECE244H1	PROGRAMMING FUNDAMENTALS	0.50	88	A	B-
MAT290H1	ADVANCED ENG. MATHEMATICS	0.50	90	A+	B
MAT291H1	CALCULUS III	0.50	85	A	B-

May proceed

2022 WINTER - BASC - COMPUTER ENGINEERING - EDWARD S. ROGERS SR. DEPT. OF ELECTRICAL & COMPUTER ENGIN.

PEY Co-op Program

SESSIONAL GPA: **3.74** ANNUAL GPA: **3.80** CUMULATIVE GPA: **3.84**

SESSIONAL PERS: **83.8**

STATUS: **PASS WITH HONOURS**

CRS CODE	TITLE	WGT	MRK	GRD	CRS AVG
ECE216H1	SIGNALS AND SYSTEMS	0.50	80	A-	C+
ECE221H1	ELE.&MAGNET.FIELDS 2	0.50	87	A	B-
ECE231H1	INTRO. ELECTRONICS	0.50	78	B+	C+
ECE243H1	COMPUTER ORGANIZATION	0.50	80	A-	B-
ECE297H1	SOFTWARE DESIGN AND COMMUNICATION	0.50	94	A+	B+

May proceed

2022 SUMMER - BASC - COMPUTER ENGINEERING - EDWARD S. ROGERS SR. DEPT. OF ELECTRICAL & COMPUTER ENGIN.

PEY Co-op Program

CRS CODE	TITLE	WGT	MRK	GRD	CRS AVG
PEY300H1	Summer Co-op Work Term	0.00		CR	

2022 FALL - BASC - COMPUTER ENGINEERING - EDWARD S. ROGERS SR. DEPT. OF ELECTRICAL & COMPUTER ENGIN.

PEY Co-op Program

SESSIONAL GPA: **3.88** CUMULATIVE GPA: **3.85**

SESSIONAL PERS: **85.6**

STATUS: **PASS WITH HONOURS**

CRS CODE	TITLE	WGT	MRK	GRD	CRS AVG
APS360H1	APP. FUND. OF DEEP LEARNING	0.50	85	A	B-
ECE344H1	OPERATING SYSTEMS	0.50	87	A	B
ECE345H1	ALGORITHMS & DATA STRUCTURES	0.50	89	A	B+
HPS345H1	Quantifying the World	0.50	83	A-	B+
JRE410H1	MARKETS & COMPETITIVE STRATEGY	0.50	84	A-	B+

May proceed

2023 WINTER - BASC - COMPUTER ENGINEERING - EDWARD S. ROGERS SR. DEPT. OF ELECTRICAL & COMPUTER ENGIN.

PEY Co-op Program

SESSIONAL GPA: **3.93** ANNUAL GPA: **3.90** CUMULATIVE GPA: **3.86**

SESSIONAL PERS: **88.5**

STATUS: **PASS WITH HONOURS**

CRS CODE	TITLE	WGT	MRK	GRD	CRS AVG
CSC300H1	Computers & Society	0.50	100	A+	A-
ECE302H1	PROBABILITY & APPLICATIONS	0.50	86	A	B-
ECE318H1	FUNDAMENTALS OF OPTICS	0.50	83	A-	B-
ECE361H1	COMPUTER NETWORKS I	0.50	85	A	B

May proceed

2023 SUMMER - BASC - COMPUTER ENGINEERING - EDWARD S. ROGERS SR. DEPT. OF ELECTRICAL & COMPUTER ENGIN.

PEY Co-op Program



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SESSIONAL GPA: **4.00** CUMULATIVE GPA: **3.86**

SESSIONAL PERS: **88.0**

CRS CODE TITLE WGT MRK GRD CRS AVG

CLA204H1 Intro Clas Mythology **0.50 88 A B**

PEY400Y1 Professional Experience Year Co-op **0.00 IPR**

2023 FALL - BASC - COMPUTER ENGINEERING - EDWARD S. ROGERS SR. DEPT. OF ELECTRICAL & COMPUTER ENGIN.

PEY Co-op Program

CRS CODE TITLE WGT MRK GRD CRS AVG

PEY400Y1 Professional Experience Year Co-op **0.00 IPR**

2024 WINTER - BASC - COMPUTER ENGINEERING - EDWARD S. ROGERS SR. DEPT. OF ELECTRICAL & COMPUTER ENGIN.

PEY Co-op Program

SESSIONAL GPA: **3.70** ANNUAL GPA: **3.70** CUMULATIVE GPA: **3.86**

SESSIONAL PERS: **82.0**

STATUS: **PASS WITH HONOURS**

CRS CODE TITLE WGT MRK GRD CRS AVG

CIV300H1 TERRESTRIAL ENERGY SYSTEMS **0.50 82 A- B**

PEY400Y1 Professional Experience Year Co-op **0.00 IPR**

May proceed

2024 SUMMER - BASC - COMPUTER ENGINEERING - EDWARD S. ROGERS SR. DEPT. OF ELECTRICAL & COMPUTER ENGIN.

PEY Co-op Program

CRS CODE TITLE WGT MRK GRD CRS AVG

PEY400Y1 Professional Experience Year Co-op **0.00 CR**

2024 FALL - BASC - COMPUTER ENGINEERING - EDWARD S. ROGERS SR. DEPT. OF ELECTRICAL & COMPUTER ENGIN.

PEY Co-op Program

SESSIONAL GPA: **4.00** CUMULATIVE GPA: **3.87**

SESSIONAL PERS: **88.0**

STATUS: **PASS WITH HONOURS**

CRS CODE TITLE WGT MRK GRD CRS AVG

CSC384H1 Intro Artif Intell **0.50 92 A+ B+**

ECE334H1 DIGITAL ELECTRONICS **0.50 87 A B**

ECE421H1 INTRO. TO MACHINE LEARNING **0.50 87 A A-**

ECE467H1 COMPILERS AND INTERPRETERS **0.50 86 A B+**

ECE496Y1 DESIGN PROJECT **1.00 IPR**

May proceed

2025 WINTER - BASC - COMPUTER ENGINEERING - EDWARD S. ROGERS SR. DEPT. OF ELECTRICAL & COMPUTER ENGIN.

PEY Co-op Program

SESSIONAL GPA: **4.00** ANNUAL GPA: **4.00** CUMULATIVE GPA: **3.89**

SESSIONAL PERS: **89.4**

STATUS: **PASS WITH HONOURS**

CRS CODE TITLE WGT MRK GRD CRS AVG

CSC343H1 Introduction to Databases **0.50 86 A B+**

ECE472H1 ENG.ECO.ANA & ENTRE. **0.50 87 A B**

ECE496Y1 DESIGN PROJECT **1.00 92 A+ A-**

ECE568H1 COMPUTER SECURITY **0.50 90 A+ B+**

PER001H1 PRACTICAL EXPR. REQUIREMENT **0.00 CR**

May proceed

Angelique Sawczko
University Registrar

End of Transcript

University of Toronto Guide to Transcript

Effective September 1998

Grade Meanings	Undergraduate Grade Scale		Grade Point Value	Graduate Grade Scale	
	Refined Letter Grade Scale	Numerical Scale of Marks		Truncated Letter Grade Scale	Numerical Scale of Marks
Excellent	A+	90 – 100%	4.0	A+	90 – 100%
	A	85 – 89%	4.0	A	85 – 89%
	A-	80 – 84%	3.7	A-	80 – 84%
Good	B+	77 – 79%	3.3	B+	77 – 79%
	B	73 – 76%	3.0	B	73 – 76%
	B-	70 – 72%	2.7	B-	70 – 72%
Adequate	C+	67 – 69%	2.3		
	C	63 – 66%	2.0		
	C-	60 – 62%	1.7		
Marginal	D+	57 – 59%	1.3		
	D	53 – 56%	1.0		
	D-	50 – 52%	0.7		
Inadequate	F	0 – 49%	0.0	FZ	0 – 69%

Approved grade scales that are outside the standard system:

A passing mark in the Faculty of Dentistry, Faculty of Medicine, and the Faculty of Nursing is 60%.

H (Honours), **P** (Pass), **FL** (Failure).

HH (High Honours), **H** (Honours), **P** (Pass), **LP** (Low Pass), **F** (Fail)

The Faculty of Law J.D. program used the following grade scale between Fall-1998 and Fall-2012:

A:80-100 (Excellent); B+:75-79 (Good); B:70-74 (Good); C+:65-69 (Adequate);

C:60-64 (Adequate); D:50-59 (Marginal); F:below 50 (Inadequate).

In cases where the FL grade is used in calculating grade point averages, the symbol FL% is used and a grade point value of 0.0 is assigned.

CR (Credit), **NCR** (No Credit).

In cases where the NCR grade is used in calculating grade point averages, the symbol NC% is used and a grade point value of 0.0 is assigned.

Other Symbols and Notations:

ADD Additional course, taken for credit. Included in grade point averages.

(note: the following symbols are not used in calculating grade point averages.)

AEG Aegrotat standing granted on the basis of term work and medical or similar evidence.

Course credit granted.

DNW Did not write/did not attend/did little work.

EXT Extra course, not for credit.

GWR Grade withheld pending review.

INC Incomplete.

IPR In progress.

(IPR will also appear if the course has not yet started or the course has finished but an approved grade is not yet available.)

LWD Late withdrawal without academic penalty.

NGA No grade available.

SDF Standing deferred on the basis of incomplete course work because of medical or similar reasons.

WDR Withdrawn without academic penalty.

XMP Exemption granted on the basis of credit for work done elsewhere. Course credit granted.

Candidacy Achieved

A student who has completed all program requirements for the PhD degree exclusive of thesis research will be considered a candidate in the School of Graduate Studies.

Averages Information:

The following types of averages may appear:

GPA Grade Point Average*

(*for CTEP programs, the GPA does not include performance in B.Ed. Courses)

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ACCA GPA on the Academic Activity Component of the Bachelor of Physical Health and Education
CICA GPA on the Curriculum and Instruction Component of the Bachelor of Education and Diploma in Technical Education
CTPA GPA on the Bachelor of Education Activity Component of the Concurrent Teacher Education Program
FNCA GPA on Foundations Component of the Bachelor of Education and Diploma in Technical Education
PACA GPA on the Physical Activity Component of the Bachelor of Physical and Health Education
PERS Percentage Average
ACCUM. AVG Accumulated Average

Academic Sessions:

Fall Session (September – December)
Winter Session (January – April)
Summer Session (May – August)

Course Credits:

A course with a weight of 1.00 equals 6 semester hours.

Course Average:

Course average is shown for undergraduate courses with a size of 12 or more and is expressed as a letter grade corresponding to the refined letter grade scale. The symbol "*" is used to indicate an undergraduate course with fewer than 12 students. A "blank" is used to indicate that a course average has not been calculated.

Awards Information:

Academic awards information is not listed on University of Toronto transcripts.

End of Guide

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TORONTO