

Issued To:
Jonathan Cels

Name:	Student ID No:	OEN:	Birth Day:	Print Date:
Jonathan Cels	400209614		21 September	25 May 2023

Transcript valid only if bearing the Registrar's Signature.

Beginning of Undergraduate Career Record

--- 2018 Fall ---

Program: Engineering Degree Seeking
Plan: Engineering 1 CO-OP (Year One)
Term Honours: The McMaster Honour Award, Level 3

Term Enrolment

Course	Title	Attm./Earned Units	Grade
CHEM 1E03	General Chemistry: Engineer I	3.00/3.00	B+
ECON 1B03	Introductory Microeconomics	3.00/3.00	A+
ENGINEER 1P03	Engineering Profession&Practice	3.00/3.00	A
MATH 1ZA3	Engineering Mathematics I	3.00/3.00	B+
PHYSICS 1D03	Mechanics	3.00/3.00	C+
SOCIOL 1Z03	An Introduction to Sociology	3.00/3.00	A
WHMIS 1A00	Intro To Health And Safety	0.00/0.00	COM

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	18.0/18.0	18.0	174.0	9.7

--- 2019 Winter ---

Program: Engineering Degree Seeking
Plan: Engineering 1 CO-OP (Year One)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 1C03	Engin Design&Graph	3.00/3.00	A+
ENGINEER 1D04	Engin Computation	4.00/4.00	A+
ENGINEER 1EE0	Engineer Co-op Prm	0.00/0.00	COM
MATH 1ZB3	Engineering Mathematics II-A	3.00/3.00	A+
MATH 1ZC3	Engineering Mathematics II-B	3.00/3.00	A+
MATLS 1M03	Structure&Properties:Materials	3.00/3.00	A
PHYSICS 1E03	Wave,Elec&Magnetic	3.00/3.00	B+

Totals

Name: Jonathan Cels Student ID No: 400209614 OEN: Birth Day: 21 September Print Date: 25 May 2023

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	19.0/19.0	19.0	216.0	11.4

Academic Standing: Good Standing
Term Honours: Deans' Honour List

--- 2019 Fall ---

Program: Engineering Bachelors
Plan: Software Engineering CO-OP (Co-op Program)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
MATH 2Z03	Engineering Math III	3.00/3.00	A-
SFWRENG 2DA4	Digital Sys & Interfacing	4.00/4.00	A+
SFWRENG 2DM3	Discrete Math. With Appl. I	3.00/3.00	A+
SFWRENG 2S03	Principles Of Programming	3.00/3.00	A-
SFWRENG 2XA3	SE Pract & Exp:Software Dev	3.00/3.00	A+

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	16.0/16.0	16.0	180.0	11.3

--- 2020 Winter ---

Program: Engineering Bachelors
Plan: Software Engineering CO-OP (Co-op Program)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
INNOVATE 1Z03	AI - Innovative Technologies	3.00/3.00	A+
SFWRENG 2AA4	Intro To Software Development	4.00/4.00	A+
SFWRENG 2C03	Data Struct & Algorithms	3.00/3.00	A
SFWRENG 2FA3	Discrete Math. Application II	3.00/3.00	A
SFWRENG 2GA3	Computer Architecture	3.00/3.00	A+
SFWRENG 2XB3	SE Pract & Exp:Theory To Prac	3.00/3.00	A+

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	19.0/19.0	19.0	222.0	11.7

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Academic Standing: Good Standing
Term Honours: Deans' Honour List

--- 2020 Spring/Summer ---

Program: Engineering Bachelors
Plan: Software Engineering CO-OP (Co-op Program)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2EC0	Engineering Work Term (Work Term Details Company: Hoffmann-La Roche Ltd. Location: Mississauga, ON Position : Co-op Student Start Date: 2020-05-01 End Date: 2020-08-31)	0.00/0.00	COM

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	0.0/0.0	0.0	0.0	0.0

--- 2020 Fall ---

Program: Engineering Bachelors
Plan: Software Engineering CO-OP (Co-op Program)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
SFWRENG 3BB4	Software Design II	4.00/4.00	A+
SFWRENG 3DB3	Databases	3.00/3.00	A
SFWRENG 3I03	Communications Skills	3.00/3.00	A
SFWRENG 3MX3	Signals and Systems	3.00/3.00	A-
SFWRENG 3O03	Linear Optimization	3.00/3.00	A
SFWRENG 3RA3	Sfwr Requirements&Secur Con	3.00/3.00	B

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	19.0/19.0	19.0	201.0	10.6

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--- 2021 Winter ---

Program: Engineering Bachelors
Plan: Software Engineering CO-OP (Co-op Program)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2B03	Engineer Economics	3.00/3.00	A+
SFWRENG 3A04	Software Design III	4.00/4.00	A+
SFWRENG 3DX4	Dynamic Systems and Control	4.00/4.00	A
SFWRENG 3S03	Software Testing	3.00/3.00	A+
SFWRENG 3SH3	Operating Systems	3.00/3.00	A+
SFWRENG 3XA3	Software Project Management	3.00/3.00	A+

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	20.0/20.0	20.0	236.0	11.8

Academic Standing: Good Standing
Term Honours: Deans' Honour List

--- 2021 Spring/Summer ---

Program: Engineering Bachelors
Plan: Software Engineering CO-OP (Co-op Program)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2EC0	Engineering Work Term (Work Term Details Company: Celestica Location: Toronto, ON Position : Co-op Student Start Date: 2021-05-01 End Date: 2022-08-31)	0.00/0.00	NC

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	0.0/0.0	0.0	0.0	0.0

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--- 2021 Fall ---

Program: Engineering Bachelors
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Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2EC0	Engineering Work Term (Work Term Details Company: Celestica Location: Toronto, ON Position : Co-op Student Start Date: 2021-05-01 End Date: 2022-08-31)	0.00/0.00	COM

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	0.0/0.0	0.0	0.0	0.0

--- 2022 Winter ---

Program: Engineering Bachelors
Plan: Software Engineering CO-OP (Co-op Program)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2EC0	Engineering Work Term (Work Term Details Company: Celestica Location: Toronto, ON Position : Co-op Student Start Date: 2021-05-01 End Date: 2022-08-31)	0.00/0.00	COM

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	0.0/0.0	0.0	0.0	0.0

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--- 2022 Spring/Summer ---

Program: Engineering Bachelors
Plan: Software Engineering CO-OP (Co-op Program)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2EC0	Engineering Work Term (Work Term Details Company: Celestica Location: Toronto, ON Position : Co-op Student Start Date: 2021-05-01 End Date: 2022-08-31)	0.00/0.00	COM

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	0.0/0.0	0.0	0.0	0.0

--- 2022 Fall ---

Program: Engineering Bachelors
Plan: Software Engineering CO-OP (Co-op Program)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ASTRON 2B03	The Big Questions	3.00/3.00	A+
SFWRENG 4AA4	Real Time Systems	4.00/4.00	A
SFWRENG 4G06A	Sfwr Design IV	0.00/0.00	MT
SFWRENG 4HC3	Human Computer Interfaces	3.00/3.00	B+
SFWRENG 4X03	Scientific Computation	3.00/3.00	A
STATS 3Y03	Probability & Stats For Eng	3.00/3.00	A-

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	16.0/16.0	16.0	170.0	10.6

--- 2023 Winter ---

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Course	Title	Attm./Earned Units	Grade
COMPSCI 4ML3	Introd to Machine Learning	3.00/3.00	B+
ENGINEER 4A03	Ethics, Equity and Law in Eng	3.00/3.00	A+
MUSIC 2MT3	Intro Music Therapy Practice	3.00/3.00	A+
SFWRENG 4C03	Comp Networks & Security	3.00/3.00	A-
SFWRENG 4E03	Perf.Anal.Comp.Syst	3.00/3.00	A
SFWRENG 4G06B	Sfwr Design IV	6.00/6.00	A+

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	21.0/21.0	21.0	234.0	11.1

Academic Standing: Clear to Graduate
Term Honours: Deans' Honour List

End of Undergraduate Career Record

End of Student Unofficial Transcript