

Issued To:  
William Ward

Name:  
William Ward

Student ID No:

OEN:

Birth Day:

Print Date:

18 August 2022

Transcript valid only if bearing the Registrar's Signature.

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Beginning of Undergraduate Career Record

--- 2018 Fall ---

Program: Engineering Degree Seeking  
Plan: Integr Biomed Eng&Hth Sc1CO-OP (Year One)

Transfer Credit/Letters of Permission

Transfer Credit from: Seaholm H S

Subject/Course#	Title	Units	Grade
ENGLISH 1XXXX	ENGLISH 100 Level Unspecified	3.00	T
	Transfer Totals:	3.00	

Term Honours: The McMaster Honour Award, Level 3

Term Enrolment

Course	Title	Attm./Earned Units	Grade
BIOSAFE 1BS0	Biosafety Training	0.00/0.00	COM
CHEM 1E03	General Chemistry: Engineer I	3.00/3.00	A-
HTHSCI 1I06A	Cellular and Molecular Biology	0.00/0.00	MT
IBEHS 1EE0	Intro Engineering Co-op Progm	0.00/0.00	COM
IBEHS 1P10A	Hth Solutions Desgn Projects I	0.00/0.00	MT
MATH 1ZA3	Engineering Mathematics I	3.00/3.00	A+
PHYSICS 1D03	Mechanics	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	9.0/9.0	9.0	102.0	11.3

--- 2019 Winter ---

Program: Engineering Degree Seeking  
Plan: Integr Biomed Eng&Hth Sc1CO-OP (Year One)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 1EE0	Engineer Co-op Prm	0.00/0.00	COM (R)

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HTHSCI 1I06B	Cellular and Molecular Biology	6.00/6.00	A
IBEHS 1P10B	Hth Solutions Desgn Projects I	10.00/10.00	A
INNOVATE 1X03	The World of Entrepreneurship	3.00/3.00	A
MATH 1ZB3	Engineering Mathematics II-A	3.00/3.00	A+
MATH 1ZC3	Engineering Mathematics II-B	3.00/3.00	A+
PHYSICS 1E03	Wave,Elec&Magnetic	3.00/3.00	A+

#### Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	28.0/28.0	28.0	317.0	11.3

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

#### --- 2019 Spring/Summer ---

Program: Engineering Degree Seeking  
Plan: Integr Biomed Eng&Hth Sc1CO-OP (Year One)

#### Term Enrolment

Course	Title	Attm./Earned Units	Grade
IBEHS 2EC0	Engineering Work Term (Work Term Details Company: McMaster University Location: Hamilton,ON Position : Co-op Student Start Date: 2019-05-01 End Date: 2019-08-31)	0.00/0.00	COM
MATH 2Z03	Engineering Math III	3.00/3.00	A-
MATH 2ZZ3	Engineering Math IV	3.00/3.00	A+

#### Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	6.0/6.0	6.0	66.0	11.0

#### --- 2019 Fall ---

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

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Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGPYHS 2A04	Elec. & Magnetism	4.00/4.00	A
ENGPYHS 2NE3	Thermal Systems Design	3.00/3.00	A+
ENGPYHS 2P04	Applied Mechanics	4.00/4.00	A
MATH 3C03	Mathematical Physics I	3.00/3.00	A+

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	14.0/14.0	14.0	160.0	11.4

--- 2020 Winter ---

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

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2B03	Engineer Economics	3.00/3.00	A+
ENGPYHS 2CM4	Computational Multiphysics	4.00/4.00	A+
ENGPYHS 2E04	Analog & Dig Circ	4.00/4.00	A+
ENGPYHS 2QM3	Intro Quantm Mech	3.00/3.00	A+
MATH 3D03	Math Physics II	3.00/3.00	A

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	17.0/17.0	17.0	201.0	11.8

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

--- 2020 Fall ---

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

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Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2EC0	Engineering Work Term (Work Term Details Company: Mesomat Location: Hamilton, ON Position : Co-op Student Start Date: 2020-09-01 End Date: 2021-04-30)	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

--- 2021 Winter ---

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

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2EC0	Engineering Work Term (Work Term Details Company: Mesomat Location: Hamilton, ON Position : Co-op Student Start Date: 2020-09-01 End Date: 2021-04-30)	0.00/0.00	COM
PSYCH 1F03	Survey Of Psychology	3.00/3.00	A+

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	3.0/3.0	3.0	36.0	12.0

--- 2021 Spring/Summer ---

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

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Term Enrolment

Course	Title	Attm./Earned Units	Grade
SFWRENG 2S03	Principles Of Programming	3.00/3.00	A+

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	3.0/3.0	3.0	36.0	12.0

--- 2021 Fall ---

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

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGPYHS 3BA4	Circuits: Non-Linear & Active Compon	4.00/4.00	A+
ENGPYHS 3E04	Fundamentals of Physical Optic	4.00/4.00	A+
ENGPYHS 3EC4	Professional Communic & Proj Mgt	4.00/4.00	A+
ENGPYHS 3F03	Princ. Solid-state Mats & Devic	3.00/3.00	A+
ENGPYHS 3L04	Eng Metrology: Fndmntls & Apps	4.00/4.00	A+
ENGPYHS 3NM4	Numerical Methods: Engineering	4.00/4.00	A+

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	23.0/23.0	23.0	276.0	12.0

--- 2022 Winter ---

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

Term Enrolment

Course	Title	Attm./Earned Units	Grade
COMPENG 2SI3	Data Strctr, Algrthms & Dscrt Mth	3.00/3.00	A+
ENGPYHS 3BB4	Embed & Progrmg Micro-Controller	4.00/4.00	A+
ENGPYHS 3PN4	Semiconductor Jnctn Devices	4.00/4.00	A+
ENGPYHS 3SM3	Statistical Mechanics	3.00/3.00	A+
ENGPYHS 3W04	Signals & Systems for Engineerin	4.00/4.00	A+

Totals

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	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	18.0/18.0	18.0	216.0	12.0

Academic Standing: Good Standing

Term Honours: Provost's Honour Roll

Term Honours: Deans' Honour List

--- 2022 Fall ---

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

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 4A03	Ethics, Equity and Law in Eng	3.00/0.00	
ENGPYHS 4A06A	Eng Phys Dsgn & Synth: Project	0.00/0.00	
ENGPYHS 4QC3	Intro to Quantum Computing	3.00/0.00	
ENGPYHS 4UM2	Solar Cell Dsign&Fabricatn Lab	2.00/0.00	
GERMAN 1Z06A	Begin Intensive German	0.00/0.00	
PHYSICS 3MM3	Quantum Mechanic 1	3.00/0.00	

--- 2023 Winter ---

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

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGPYHS 4A06B	Eng Phys Dsgn & Synth: Project	6.00/0.00	
ENGPYHS 4MD3	Nanoscale Semiconductr Devices	3.00/0.00	
ENGPYHS 4QM3	Quantum Optics and Metrology	3.00/0.00	
ENGPYHS 4S03	Lasers&Elec-Optics	3.00/0.00	
ENGPYHS 4UP2	Photonics Dsgn & Fabricatn Lab	2.00/0.00	
GERMAN 1Z06B	Begin Intensive German	6.00/0.00	

End of Undergraduate Career Record

End of Student Unofficial Transcript