Issued To: William Ward

Name: William Ward Student ID No:





Print Date: 24 February 2023

Transcript valid only if bearing the Registrar's Signature.

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 1106A	Cellular and Molecular Biology	0.00/0.00	MT
IBEHS 1EE0	Intro Engineering Co-op Progrm	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)

Name: Student ID No: OEN: Birth Day: Print Date: William Ward 24 February 2023 HTHSCI 1106B Cellular and Molecular Biology 6.00/6.00 Α Hth Solutions Desgn Projects I **IBEHS 1P10B** 10.00/10.00 Α **INNOVATE 1X03** The World of Entrepreneurship 3.00/3.00 Α **Engineering Mathematics II-A** MATH 1ZB3 3.00/3.00 A+ **Engineering Mathematics II-B** MATH 1ZC3 3.00/3.00 A+ PHYSICS 1E03 Wave, Elec&Magnetic 3.00/3.00

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 0.00/0.00 COM

(Work Term Details

Company: McMaster University

Location: Hamilton,ON Position: Co-op Student Start Date: 2019-05-01 End Date: 2019-08-31)

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)

Student ID No:





Print Date: 24 February 2023

Term Enrolment

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

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+
ENGPHYS 2CM4	Computational Multiphysics	4.00/4.00	A+
ENGPHYS 2E04	Analog & Dig Circt	4.00/4.00	A+
ENGPHYS 2QM3	Intro Quantm Mech	3.00/3.00	A+
MATH 3D03	Math Physics II	3.00/3.00	Α

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)

Student ID No:



Print Date:

24 February 2023

Term Enrolment

Course

ENGINEER 2EC0

Title 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) Attm./Earned Units Grade 0.00/0.00 COM

Birth Day:

Totals

Term Totals

Attm./Earned Units 0.0/0.0

GPA Units 0.0

Total Points 0.0

GPA 0.0

--- 2021 Winter ---

Program:

Engineering Bachelors

Plan:

Engineering Physics CO-OP (Co-op Program)

Term Enrolment

Course

ENGINEER 2EC0

Title
Engineering Work Term
(Work Term Details

Company: Mesomat Location: Hamilton,ON Position: Co-op Student Start Date: 2020-09-01

PSYCH 1F03 End Date: 2021-04-30)
Survey Of Psychology

3.00/3.00

0.00/0.00

Attm./Earned Units Grade

A+

COM

Totals

Term Totals

Attm./Earned Units 3.0/3.0

GPA Units 3.0

Total Points 36.0

GPA 12.0

--- 2021 Spring/Summer ---

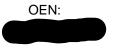
Program:

Engineering Bachelors

Plan:

Engineering Physics CO-OP (Co-op Program)

Student ID No:





Print Date: 24 February 2023

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
ENGPHYS 3BA4	Circts:Non-Linear&Activ Compon	4.00/4.00	A+
ENGPHYS 3E04	Fundamentals of Physical Optic	4.00/4.00	A+
ENGPHYS 3EC4	Professional Communic&Proj Mgt	4.00/4.00	A+
ENGPHYS 3F03	Princ. Solid-state Matls&Devic	3.00/3.00	A+
ENGPHYS 3L04	Eng Metrology: Fndmntls & Apps	4.00/4.00	A+
ENGPHYS 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

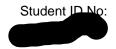
--- 2022 Winter ---

Program: Engineering Bachelors

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

Term Enrolment

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







Print Date: 24 February 2023

Attm./Earned Units

Term Totals 18.0/18.0

GPA Units 18.0 Total Points 216.0

GPA 12.0

Academic Standing: Good Standing
Term Honours: Deans' Honour List
Term Honours: Provost's Honour Roll

--- 2022 Fall ---

Program: Engineering Bachelors

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

Term Honours: The Dr. Harry Lyman Hooker Scholarships

Term Honours: The Provost's Honour Roll Medal

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ECON 1B03	Introductory Microeconomics	3.00/3.00	Α
ENGINEER 4A03	Ethics, Equity and Law in Eng	3.00/3.00	A+
ENGPHYS 4A06A	Eng Phys Dsgn & Synth: Project	0.00/0.00	MT
ENGPHYS 4QC3	Intro to Quantum Computing	3.00/3.00	A+
ENGPHYS 4UM2	Solar Cell Dsign&Fabricatn Lab	2.00/2.00	A+
PHYSICS 3MM3	Quantum Mechanic 1	3.00/3.00	A+

Totals

Attm./Earned Units GPA Units Total Points GPA Term Totals 14.0/14.0 14.0 165.0 11.8

--- 2023 Winter ---

Program: Engineering Bachelors

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

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGPHYS 4A06B	Eng Phys Dsgn & Synth: Project	6.00/0.00	
ENGPHYS 4MD3	Nanoscale Semiconductr Devices	3.00/0.00	
ENGPHYS 4QM3	Quantum Optics and Metrology	3.00/0.00	
ENGPHYS 4UP2	Photonics Dsgn & Fabricatn Lab	2.00/0.00	

Totals

Student ID No:

OEN: Birth Day:

Print Date: 24 February 2023

Term Totals

Attm./Earned Units 14.0/0.0

GPA Units 0.0

Total Points GPA 0.0 0.0

End of Undergraduate Career Record

End of Student Unofficial Transcript