

**Student :** \*\*\*\*\* 6560      Marcus Edwards  
**Program of Study :**      Honours Bachelor of Science

Course Registration and Description			Weight	Grade
Fall 2014	CP104	INTRO TO PROGRAMMING	0.50	A+
	CP120	DIGITAL ELECTRONICS	0.50	A+
	MA122	INTRO-LINEAR ALGEBRA	0.50	A
	PC131	MECHANICS	0.50	A+
Winter 2015	CP114	DATA STRUCTURES	0.50	A-
	MA110	INTRO: DIFFER & INTEGRAL CALC	1.00	A-
	MA121	INTRO TO MATHEMATICAL PROOFS	0.50	B-
	PC132	THERMODYNAMICS & WAVES	0.50	A+
	PS101	INTRODUCTION TO PSYCHOLOGY I	0.50	A-
Fall 2015	CP213	OBJECT-ORIENTED PROGRAMMING	0.50	C
	CP320	DIGITAL INTER. IN ANALOG WORLD	0.50	A+
	MA201	MULTIVARIABLE CALCULUS	0.50	C-
	PC212	ELECTRICITY AND MAGNETISM	0.50	A
	SC200	ENTREPRENEURSHIP IN SCIENCE	0.50	A
Winter 2016	CP216	INTRO TO MICROPROCESSORS	0.50	B
	CP217	INTRO. TO SYSTEM PROGRAMMING	0.50	A-
	PC221	ANALOG I	0.50	A
	PC237	OPTICS	0.50	A
Fall 2016	CP317	SOFTWARE ENGINEERING	0.50	A-
	CP386	OPERATING SYSTEMS	0.50	C
	ENTR300	BUSINESS MODEL CREATION	0.50	A-
	PC481	FIBRE OPTICS	0.50	A-
	ST230	PROBABILITY & STATS FOR SCI.	0.50	A-
Winter 2017	CP316	MICROPROCESSOR II	0.50	A+
	CP363	DATABASE I	0.50	C
	CP372	COMPUTER NETWORKS	0.50	A-
	MA205	DIFFERENTIAL EQUATIONS I	0.50	C+
	PC351	QUANTUM COMPUTING	0.50	A-
Spring 2017	PC491	RESEARCH PROJECT I	0.50	A+
Fall 2017	AS101	ASTRONOMY I:OUR PLACE COSMOS	0.50	C+
	CP493	DIRECTED RESEARCH PROJECT I	0.50	A+
	PC319	DIGITAL SYSTEM DESIGN	0.50	A+
	PC321	QUANTUM MECHANICS I	0.50	A-
	PC492	RESEARCH PROJECT II	0.50	A+
Winter 2018	05450W	COMPUTER ARCHITECTURE	0.50	B-

AS102	ASTRONOMY II: JOURNEY COSMOS	0.50	C+
PC331	QUANTUM MECHANICS II	0.50	A+
PC474	OPTICAL NETWORKS	0.50	A-
PC475	DESIGN OF CONTROL SYSTEMS	0.50	A

## Graduate Unofficial Transcript

Name: Edwards, Marcus  
Student ID: 20547711  
Ontario Education Nbr: 524973526

### Degrees Awarded

Degree: Master of Science  
Confer Date: 07/06/2021  
Physics (Quantum Information), MSc

### Beginning of Graduate Record

#### Fall 2018

Program: Physics (Quantum Information), MSc  
Attendance: Full-Time Term: 1.00 Status: Enrolment

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
ACINTY	650	Academic Integrity Module	0.00	0.00	CR
Instructor:		Amanda McKenzie			
QIC	710	Quantum Information Processing	0.50	0.50	85
Instructor:		Jon Yard			
Term GPA		85.00			
Cumulative GPA		85.00			

#### Winter 2019

Program: Physics (Quantum Information), MSc  
Attendance: Full-Time Term: 2.00 Status: Enrolment

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
QIC	750	Quantum Information Processing Devices	0.50	0.50	81
Instructor:		Christopher C.M. Wilson			
Term GPA		81.00			
Cumulative GPA		83.00			

#### Spring 2019

Program: Physics (Quantum Information), MSc  
Attendance: Full-Time Term: 3.00 Status: Enrolment

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
GS	-	Continuing Graduate Studies	0.00	0.00	
Term GPA		0.00			
Cumulative GPA		83.00			

#### Fall 2019

Program: Physics (Quantum Information), MSc  
Attendance: Full-Time Term: 4.00 Status: Enrolment

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
PHYS	701	Quantum Mechanics 1	0.50	0.00	NCR
Instructor:		Crystal Senko			
Term GPA		0.00			
Cumulative GPA		83.00			

## Graduate Unofficial Transcript

**Name:** Edwards, Marcus  
**Student ID:** 20547711  
**Ontario Education Nbr:** 524973526

### Winter 2020

Program: Physics (Quantum Information), MSc  
Attendance: Full-Time Term: 5.00 Status: Enrolment

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
QIC	890	Topics in Quantum Information	0.50	0.50	65
Course Topic:		Applied Qtm Cryptography			
Instructor:		Norbert Lutkenhaus			

Term GPA 65.00  
Cumulative GPA 77.00

### Spring 2020

Program: Physics (Quantum Information), MSc  
Attendance: Full-Time Term: 6.00 Status: Enrolment

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
CS	649	Human-Computer Interaction	0.50	0.50	94
Instructor:		Edith Law			
		Apoorva Chauhan			

Term GPA 94.00  
Cumulative GPA 81.25

### Fall 2020

Program: Physics (Quantum Information), MSc  
Attendance: Full-Time Term: 6.00 Status: Enrolment

Withdrawal Date: 09/28/2020

Term GPA 0.00  
Cumulative GPA 81.25  
Degree Completed Date: 09/28/2020

### Milestones

Program: Science Master's  
Academic Integrity Workshop

Status: Completed  
Date Completed: 22/05/2019  
Grade: CR

Master's Thesis 2.0

Status: Completed  
Date Completed: 18/09/2020  
Milestone Title: Towards Practical Hybrid Quantum / Classical Computing  
Grade: ACC

Master's Thesis Submission

Status: Completed  
Date Completed: 28/09/2020

Master's Degree Completion

Status: Completed  
Date Completed: 28/09/2020

End of Graduate Unofficial Transcript