

Undergraduate Unofficial Transcript

Name: Palmer, Lucas
 Student ID: 20534173
 Ontario Education Nbr: 620341420

Degrees Awarded

Degree: Bachelor of Mathematics
 Confer Date: 06/15/2018
 Degree Honours: With Distinction
 Degree Honours: Dean's Honours List
 Applied Mathematics, Honours, Co-operative Program
 Computer Science, Honours, Co-operative Program
 Computational Mathematics, Honours, Co-operative Program

Beginning of Undergraduate Record

Fall 2013

Program: Mathematics, Honours, Co-operative Program
 Level: 1A Load: Full-Time Form Of Study: Enrolment

Course	Description	Attempted	Earned	Grade
CHEM 120	Physical and Chemical Properties of Matter	0.50	0.50	96
CHEM 120L	Chemical Reaction Laboratory 1	0.25	0.25	94
CS 145	Designing Functional Programs (Advanced Level)	0.50	0.50	80
MATH 145	Algebra (Advanced Level)	0.50	0.50	96
MATH 147	Calculus 1 (Advanced Level)	0.50	0.50	95
PHYS 121	Mechanics	0.50	0.50	99
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	93.27 Term Totals	2.75	2.75	
Cumulative GPA	93.27 Cumulative Totals	2.75	2.75	
Faculty Average:	90.33 Mathematics, Honours, Co-operative Program			
Academic Standing:	Excellent standing Effective 12/31/2013			
Term Honours:	Term Dean's Honours List			

Winter 2014

Program: Mathematics, Honours, Co-operative Program
 Level: 1B Load: Full-Time Form Of Study: Enrolment

Course	Description	Attempted	Earned	Grade
BIOL 239	Genetics	0.50	0.50	87
CHEM 123	Chemical Reactions, Equilibria and Kinetics	0.50	0.50	95
CHEM 123L	Chemical Reaction Laboratory 2	0.25	0.25	92
CS 146	Elementary Algorithm Design and Data Abstraction (Advanced Level)	0.50	0.50	75
MATH 146	Linear Algebra 1 (Advanced level)	0.50	0.50	82
MATH 148	Calculus 2 (Advanced Level)	0.50	0.50	96
PHYS 122	Waves, Electricity and Magnetism	0.50	0.50	100
PHYS 124	Modern Physics	0.50	0.50	93
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	89.87 Term Totals	3.75	3.75	
Cumulative GPA	91.31 Cumulative Totals	6.50	6.50	
Faculty Average:	87.33 Mathematics, Honours, Co-operative Program			
Academic Standing:	Excellent standing Effective 04/30/2014			
	S&P Feb 4/14 Petition to enrol in seven courses for the winter 2014 term, granted. ms			
Term Honours:	Term Dean's Honours List			

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Fall 2014

Program: Mathematics, Honours, Co-operative Program
 Level: 2A Load: Full-Time Form Of Study: Enrolment

<u>Course</u>	<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
AMATH 251	Introduction to Differential Equations (Advanced level)	0.50	0.50	93
CS 245	Logic and Computation	0.50	0.50	92
CS 246	Object-Oriented Software Development	0.50	0.50	72
MATH 245	Linear Algebra 2 (Advanced Level)	0.50	0.50	90
MATH 247	Calculus 3 (Advanced Level)	0.50	0.50	87
MATH 249	Introduction to Combinatorics (Advanced Level)	0.50	0.50	87
STAT 240	Probability (Advanced Level)	0.50	0.50	97
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	88.29 Term Totals	3.50	3.50	
Cumulative GPA	90.25 Cumulative Totals	10.00	10.00	
Faculty Average:	87.85 Mathematics, Honours, Co-operative Program			
Academic Standing: Excellent standing Effective 12/31/2014				
S&P Sept 30/14 Petition to enrol in seven courses for the fall 2014 term after the deadline, granted. ms				
Term Honours: Term Dean's Honours List				

Winter 2015

Program: Computer Science, Honours, Co-operative Program
 Applied Mathematics, Honours, Co-operative Program
 Level: 3A Load: Full-Time Form Of Study: Enrolment

<u>Course</u>	<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
AMATH 231	Calculus 4	0.50	0.50	91
AMATH 242	Introduction to Computational Mathematics	0.50	0.50	88
CS 240	Data Structures and Data Management	0.50	0.50	95
CS 241	Foundations of Sequential Programs	0.50	0.50	88
CS 251	Computer Organization and Design	0.50	0.50	95
PD 1	Co-op Fundamentals	0.50	0.00	CR
STAT 241	Statistics (Advanced Level)	0.50	0.50	93
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	91.67 Term Totals	3.50	3.00	
Cumulative GPA	90.58 Cumulative Totals	13.00	13.00	
Major Average:	86.43 Computer Science, Honours, Co-operative Program			
Faculty Average:	89.05 Computer Science, Honours, Co-operative Program			
Academic Standing: Excellent standing Effective 04/30/2015				
Term Honours: Term Dean's Honours List				

Spring 2015

Program: Applied Mathematics, Honours, Co-operative Program
 Computer Science, Honours, Co-operative Program
 Computational Mathematics, Honours, Co-operative Program
 Level: 3B Load: Part-Time Form Of Study: Co-op Work Term

<u>Course</u>	<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
COOP 1	Co-operative Work Term	0.50	0.00	CR
PD 2	Critical Reflection and Report Writing	0.50	0.00	CR
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	0.00 Term Totals	1.00	0.00	
Cumulative GPA	90.58 Cumulative Totals	13.00	13.00	

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Fall 2015

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 Computer Science, Honours, Co-operative Program
 Computational Mathematics, Honours, Co-operative Program
 Level: 3B Load: Part-Time Form Of Study: Co-op Work Term

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
COOP	2	Co-operative Work Term	0.50	0.00	CR
PD	10	Professional Responsibility in Computing	0.50	0.00	CR
WKRPT	200M	Work-term Report	0.25	0.00	89
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		0.00 Term Totals	1.25	0.00	
Cumulative GPA		90.58 Cumulative Totals	13.00	13.00	

Winter 2016

Program: Applied Mathematics, Honours, Co-operative Program
 Computer Science, Honours, Co-operative Program
 Computational Mathematics, Honours, Co-operative Program
 Level: 3B Load: Full-Time Form Of Study: Enrolment

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
AMATH	332	Applied Complex Analysis	0.50	0.50	100
AMATH	353	Partial Differential Equations 1	0.50	0.50	89
CS	349	User Interfaces	0.50	0.50	93
CS	350	Operating Systems	0.50	0.50	89
CS	365	Models of Computation	0.50	0.50	87
PHYS	234	Quantum Physics 1	0.50	0.50	95
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		92.17 Term Totals	3.00	3.00	
Cumulative GPA		90.88 Cumulative Totals	16.00	16.00	
Major Average:		87.40 Computer Science, Honours, Co-operative Program			
Major Average:		91.00 Applied Mathematics, Honours, Co-operative Program			
Major Average:		91.00 Computational Mathematics, Honours, Co-operative Program			
Faculty Average:		89.58 Applied Mathematics, Honours, Co-operative Program			
Academic Standing:		Excellent standing Effective 04/30/2016			
Term Honours:		Term Dean's Honours List			

Spring 2016

Program: Applied Mathematics, Honours, Co-operative Program
 Computer Science, Honours, Co-operative Program
 Computational Mathematics, Honours, Co-operative Program
 Level: 4A Load: Part-Time Form Of Study: Co-op Work Term

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
COOP	3	Co-operative Work Term	0.50	0.00	CR
PD	3	Communication	0.50	0.00	CR
WKRPT	300M	Work-term Report	0.13	0.00	89
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		0.00 Term Totals	1.13	0.00	
Cumulative GPA		90.88 Cumulative Totals	16.00	16.00	

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Fall 2016

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 Computational Mathematics, Honours, Co-operative Program
 Level: 4A Load: Full-Time Form Of Study: Enrolment

Course	Description	Attempted	Earned	Grade
AMATH 331	Applied Real Analysis	0.50	0.50	99
AMATH 342	Computational Methods for Differential Equations	0.50	0.50	100
AMATH 351	Ordinary Differential Equations 2	0.50	0.50	98
CO 250	Introduction to Optimization	0.50	0.50	96
CS 341	Algorithms	0.50	0.50	95
ECON 101	Introduction to Microeconomics	0.50	0.50	95
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	97.17 Term Totals	3.00	3.00	
Cumulative GPA	91.87 Cumulative Totals	19.00	19.00	
Major Average:	88.09 Computer Science, Honours, Co-operative Program			
Major Average:	93.80 Applied Mathematics, Honours, Co-operative Program			
Major Average:	93.80 Computational Mathematics, Honours, Co-operative Program			
Faculty Average:	90.97 Applied Mathematics, Honours, Co-operative Program			
Academic Standing:	Excellent standing Effective 12/31/2016			
Term Honours:	Term Dean's Honours List			

Winter 2017

Program: Applied Mathematics, Honours, Co-operative Program
 Computer Science, Honours, Co-operative Program
 Computational Mathematics, Honours, Co-operative Program
 Level: 4B Load: Full-Time Form Of Study: Enrolment

Course	Description	Attempted	Earned	Grade
AMATH 451	Introduction to Dynamical Systems	0.50	0.50	93
AMATH 475	Introduction to General Relativity	0.50	0.50	99
CS 488	Introduction to Computer Graphics	0.50	0.00	WD
CS 489	Advanced Topics in Computer Science	0.50	0.50	98
Course Topic:	Intro to Machine Learning			
CS 489	Advanced Topics in Computer Science	0.50	0.50	93
Course Topic:	Big Data Infrastructure			
PSYCH 101	Introductory Psychology	0.50	0.50	82
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	93.00 Term Totals	3.00	2.50	
Cumulative GPA	92.00 Cumulative Totals	21.50	21.50	
Major Average:	88.85 Computer Science, Honours, Co-operative Program			
Major Average:	94.00 Applied Mathematics, Honours, Co-operative Program			
Major Average:	94.00 Computational Mathematics, Honours, Co-operative Program			
Faculty Average:	91.39 Applied Mathematics, Honours, Co-operative Program			
Academic Standing:	Excellent standing Effective 04/30/2017			
Term Honours:	Term Dean's Honours List			

Spring 2017

Program: Applied Mathematics, Honours, Co-operative Program
 Computer Science, Honours, Co-operative Program
 Computational Mathematics, Honours, Co-operative Program
 Level: 4B Load: Part-Time Form Of Study: Co-op Work Term

Course	Description	Attempted	Earned	Grade
COOP 4	Co-operative Work Term	0.50	0.00	CR
PD 4	Teamwork	0.50	0.00	CR
WKRPT 400M	Work-term Report	0.13	0.00	89
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	0.00 Term Totals	1.13	0.00	
Cumulative GPA	92.00 Cumulative Totals	21.50	21.50	

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 Computational Mathematics, Honours, Co-operative Program
 Level: 4B Load: Part-Time Form Of Study: Co-op Work Term

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
COOP	5	Co-operative Work Term	0.50	0.00	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		0.00 Term Totals	0.50	0.00	
Cumulative GPA		92.00 Cumulative Totals	21.50	21.50	

Winter 2018

Program: Applied Mathematics, Honours, Co-operative Program
 Computer Science, Honours, Co-operative Program
 Computational Mathematics, Honours, Co-operative Program
 Level: 4B Load: Full-Time Form Of Study: Enrolment

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
AMATH	455	Control Theory	0.50	0.50	94
CO	370	Deterministic OR Models	0.50	0.50	100
CO	487	Applied Cryptography	0.50	0.50	94
CS	476	Numeric Computation for Financial Modeling	0.50	0.50	88
FR	151	Basic French 1	0.50	0.50	93
PHIL	121	Moral Issues	0.50	0.50	85
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		92.33 Term Totals	3.00	3.00	
Cumulative GPA		92.04 Cumulative Totals	24.50	24.50	
Major Average:		89.47 Computer Science, Honours, Co-operative Program			
Major Average:		94.28 Applied Mathematics, Honours, Co-operative Program			
Major Average:		94.28 Computational Mathematics, Honours, Co-operative Program			
Faculty Average:		91.81 Applied Mathematics, Honours, Co-operative Program			
Academic Standing:	Excellent standing Effective 05/18/2018				
Term Honours:	Term Dean's Honours List				

Milestones

<u>Date Completed</u>	<u>Description</u>	<u>Status</u>
09/04/2013	English Proficiency	Completed
09/23/2013	Workplace Hazardous Materials	Completed
08/30/2015	Work Report 1	Completed
08/30/2015	Work Term 1	Completed
12/30/2015	Work Report 2	Completed
12/30/2015	Work Term 2	Completed
08/30/2016	Work Report 3	Completed
08/30/2016	Work Term 3	Completed
08/30/2017	Work Report 4	Completed
08/30/2017	Work Term 4	Completed
12/30/2017	Work Term 5	Completed

Scholarships and Awards

2014	University of Waterloo President's Scholarship of Distinction
2014	Schulich Leader Scholarship
2015	Schulich Leader Scholarship
2016	Schulich Leader Scholarship
2016	Computational Mathematics Upper Year Scholarship
2017	President's Research Award
2017	Schulich Leader Scholarship
2017	Computational Mathematics Upper Year Scholarship
2018	Schulich Leader Scholarship

End of Undergraduate Unofficial Transcript