

UNIVERSITY OF WATERLOO UNDERGRADUATE UNOFFICIAL TRANSCRIPT

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Ontario Education Nbr: 092124361

Winter 2018 4B Full-Time

Program: Computer Science, Honours, Co-operative Program

Applied Mathematics, Honours, Co-operative Program

Computational Mathematics, Honours, Co-operative Program

		<i>Units</i>					
<i>Course</i>	<i>Description</i>	<i>Attempt/Earn</i>	<i>Grade</i>	<i>Credit</i>	<i>InGPA</i>	<i>Desig</i>	<i>DesGrd</i>
AMATH 455	Control Theory	0.50/0.00					
CO 487	Applied Cryptography	0.50/0.00					
CS 456	Computer Networks	0.50/0.00					
CS 487	Introduction to Symbolic Computation	0.50/0.00					

Term summary statistics available on May 18, 2018

Fall 2017 4B Part-Time

Co-op Work

Program: Computer Science, Honours, Co-operative Program

Applied Mathematics, Honours, Co-operative Program

Computational Mathematics, Honours, Co-operative Program

Units

Course	Description	Attempt/Earn	Grade	Credit	InGPA	Desig	DesGrd
COOP 5	Co-operative Work Term						

Term summary statistics available on Jan 19, 2018

Spring 2017 4B Part-Time Co-op Work

Program: Computer Science, Honours, Co-operative Program
 Applied Mathematics, Honours, Co-operative Program
 Computational Mathematics, Honours, Co-operative Program

		<i>Units</i>					
Course	Description	Attempt/Earn	Grade	Credit	InGPA	Desig	DesGrd
COOP 4	Co-operative Work Term		CR	N	N		
PD 10	Professional Responsibility in Computing	0.50/0.00	CR	N	N		
WKRPT 400M	Work-term Report	0.13/0.00	NG	N	N		

Term Avg	0.00	Term Units In Avg	0.00	Term Units Earned	0.00
Cumulative Avg	93.06	Total Units In Avg	21.50	Total Units Earned	21.50
Total Units Taken	22.00	Total Units Passed	21.50		
		Total Transfer Units	0.00		

Winter 2017 4B Full-Time

Program: Computer Science, Honours, Co-operative Program
 Applied Mathematics, Honours, Co-operative Program
 Computational Mathematics, Honours, Co-operative Program

		Units					
Course	Description	Attempt/Earn	Grade	Credit	InGPA	Desig	DesGrd
AMATH 451	Introduction to Dynamical Systems	0.50/0.50	96	Y	Y		
AMATH 475	Introduction to General Relativity	0.50/0.50	100	Y	Y		
CS 488	Introduction to Computer Graphics	0.50/0.00	WD	N	N		
CS 489	Advanced Topics in Computer Science Topic 15: Intro to Machine Learning	0.50/0.50	99	Y	Y		
CS 489	Advanced Topics in Computer Science Topic 14: Big Data Infrastructure	0.50/0.50	89	Y	Y		
PSYCH 101	Introductory Psychology	0.50/0.50	77	Y	Y		
Term Avg	92.20	Term Units In Avg	2.50	Term Units Earned	2.50		
Cumulative Avg	93.06	Total Units In Avg	21.50	Total Units Earned	21.50		
Total Units Taken	22.00	Total Units Passed	21.50				
		Total Transfer Units	0.00				
Faculty Average	93.13	Calculated On May 04, 2017					
Major Average	95.62	Computational Mathematics		Calculated On May 04, 2017			
Major Average	90.33	Computer Science		Calculated On May 04, 2017			
Major Average	95.62	Applied Mathematics		Calculated On May 04, 2017			
Academic Standing:	Excellent standing						
Honours:	Term Dean's Honours List						

Program: Computer Science, Honours, Co-operative Program
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 Computational Mathematics, Honours, Co-operative Program

Units

<i>Course</i>	<i>Description</i>	<i>Attempt/Earn</i>	<i>Grade</i>	<i>Credit</i>	<i>InGPA</i>	<i>Desig</i>	<i>DesGrd</i>
AMATH 331	Applied Real Analysis	0.50/0.50	98	Y	Y		
AMATH 342	Computational Methods for Differential Equations	0.50/0.50	99	Y	Y		
AMATH 351	Ordinary Differential Equations 2	0.50/0.50	99	Y	Y		
CO 250	Introduction to Optimization	0.50/0.50	97	Y	Y		
CS 341	Algorithms	0.50/0.50	99	Y	Y		
ECON 101	Introduction to Microeconomics	0.50/0.50	95	Y	Y		

Term Avg	97.83	Term Units In Avg	3.00	Term Units Earned	3.00
Cumulative Avg	93.17	Total Units In Avg	19.00	Total Units Earned	19.00
Total Units Taken	19.00	Total Units Passed	19.00		
		Total Transfer Units	0.00		

Faculty Average	92.93	Calculated On Jan 05, 2017	
Major Average	95.80	Computational Mathematics	Calculated On Jan 05, 2017
Major Average	90.46	Computer Science	Calculated On Jan 05, 2017
Major Average	95.80	Applied Mathematics	Calculated On Jan 05, 2017

Academic Standing: **Excellent standing**
Honours: **Term Dean's Honours List**

Program: Computer Science, Honours, Co-operative Program
 Applied Mathematics, Honours, Co-operative Program
 Computational Mathematics, Honours, Co-operative Program

Units							
Course	Description	Attempt/Earn	Grade	Credit	InGPA	Desig	DesGrd
COOP 3	Co-operative Work Term		CR	N	N		
PD 3	Communication	0.50/0.00	CR	N	N		
WKRPT 300M	Work-term Report	0.13/0.00	89	N	N		
Term Avg	0.00	Term Units In Avg	0.00	Term Units Earned	0.00		
Cumulative Avg	92.30	Total Units In Avg	16.00	Total Units Earned	16.00		
Total Units Taken	16.00	Total Units Passed	16.00				
Total Transfer Units			0.00				

Winter 2016 3B Full-Time

Program: Computer Science, Honours, Co-operative Program
 Applied Mathematics, Honours, Co-operative Program
 Computational Mathematics, Honours, Co-operative Program

<i>Units</i>							
<i>Course</i>	<i>Description</i>	<i>Attempt/Earn</i>	<i>Grade</i>	<i>Credit</i>	<i>InGPA</i>	<i>Desig</i>	<i>DesGrd</i>
AMATH 332	Applied Complex Analysis	0.50/0.50	100	Y	Y		
AMATH 353	Partial Differential Equations 1	0.50/0.50	92	Y	Y		
CS 349	User Interfaces	0.50/0.50	94	Y	Y		
CS 350	Operating Systems	0.50/0.50	91	Y	Y		
CS 365	Models of Computation	0.50/0.50	92	Y	Y		
PHYS 234	Quantum Physics 1	0.50/0.50	95	Y	Y		

Faculty Average	91.79	Calculated On May 04, 2016	
Major Average	93.83	Computational Mathematics	Calculated On May 04, 2016
Major Average	89.60	Computer Science	Calculated On May 04, 2016
Major Average	93.83	Applied Mathematics	Calculated On May 04, 2016
Academic Standing:	Excellent standing		
Honours:	Term Dean's Honours List		

Program: Computer Science, Honours, Co-operative Program
Applied Mathematics, Honours, Co-operative Program
Computational Mathematics, Honours, Co-operative Program

Term Avg	0.00	Term Units In Avg	0.00	Term Units Earned	0.00
Cumulative Avg	91.90	Total Units In Avg	13.00	Total Units Earned	13.00
Total Units Taken	13.00	Total Units Passed	13.00		
		Total Transfer Units	0.00		

Program: Computer Science, Honours, Co-operative Program
Applied Mathematics, Honours, Co-operative Program
Computational Mathematics, Honours, Co-operative Program

			Units					
Course	Description		Attempt/Earn	Grade	Credit	InGPA	Desig	DesGrd
COOP 1	Co-operative Work Term			CR	N	N		
PD 2	Critical Reflection and Report Writing		0.50/0.00	CR	N	N		
Term Avg	0.00	Term Units In Avg	0.00	Term Units Earned		0.00		
Cumulative Avg	91.90	Total Units In Avg	13.00	Total Units Earned		13.00		
Total Units Taken	13.00	Total Units Passed	13.00					
		Total Transfer Units	0.00					

Program: Computer Science, Honours, Co-operative Program
Applied Mathematics, Honours, Co-operative Program

		Units					
Course	Description	Attempt/Earn	Grade	Credit	InGPA	Desig	DesGrd
AMATH 231	Calculus 4	0.50/0.50	97	Y	Y		
AMATH 242	Introduction to Computational Mathematics	0.50/0.50	94	Y	Y		
CS 240	Data Structures and Data Management	0.50/0.50	98	Y	Y		
CS 241	Foundations of	0.50/0.50	88	Y	Y		

Sequential Programs

CS 251	Computer Organization and Design	0.50/0.50	96	Y	Y
PD 1	Co-op Fundamentals	0.50/0.00	CR	N	N
STAT 241	Statistics (Advanced Level)	0.50/0.50	90	Y	Y

Term Avg	93.83	Term Units In Avg	3.00	Term Units Earned	3.00
Cumulative Avg	91.90	Total Units In Avg	13.00	Total Units Earned	13.00
Total Units Taken	13.00	Total Units Passed	13.00		
		Total Transfer Units	0.00		

Faculty Average 91.26 Calculated On May 05, 2015

Major Average 88.43 Computer Science Calculated On May 05, 2015

Academic Standing: Excellent standing

Honours: Term Dean's Honours List

Fall 2014 2A Full-Time

Program: Mathematics, Honours, Co-operative Program

Units

Course	Description	Attempt/Earn	Grade	Credit	InGPA	Desig	DesGrd
AMATH 251	Introduction to Differential Equations (Advanced level)	0.50/0.50	91	Y	Y		
CS 245	Logic and Computation	0.50/0.50	96	Y	Y		
CS 246	Object-Oriented Software Development	0.50/0.50	77	Y	Y		
MATH 245	Linear Algebra 2 (Advanced Level)	0.50/0.50	90	Y	Y		
MATH 247	Calculus 3 (Advanced	0.50/0.50	91	Y	Y		

	Level)				
MATH 249	Introduction to	0.50/0.50	93	Y	Y
	Combinatorics (Advanced				
	Level)				
STAT 240	Probability (Advanced	0.50/0.50	96	Y	Y
	Level)				

Term Avg	90.57	Term Units In Avg	3.50	Term Units Earned	3.50
Cumulative Avg	91.33	Total Units In Avg	10.00	Total Units Earned	10.00
Total Units Taken	10.00	Total Units Passed	10.00		
		Total Transfer Units	0.00		

Faculty Average 90.08 Calculated On Jan 06, 2015

Academic Standing: **Excellent standing**

Honours: **Term Dean's Honours List**

Notes: S&P Sept 30/14 Petition to enrol in seven courses for the fall 2014 term after the deadline, granted. ms

Winter 2014 1B Full-Time

Program: Mathematics, Honours, Co-operative Program

		Units					
Course	Description	Attempt/Earn	Grade	Credit	InGPA	Desig	DesGrd
BIOL 239	Genetics	0.50/0.50	87	Y	Y		
CHEM 123	Chemical Reactions,	0.50/0.50	90	Y	Y		
	Equilibria and Kinetics						
CHEM 123L	Chemical Reaction	0.25/0.25	91	Y	Y		
	Laboratory 2						
CS 146	Elementary Algorithm	0.50/0.50	70	Y	Y		

Design and Data

Abstraction (Advanced
Level)

MATH 146	Linear Algebra 1 (Advanced level)	0.50/0.50	80	Y	Y
MATH 148	Calculus 2 (Advanced Level)	0.50/0.50	98	Y	Y
PHYS 122	Waves, Electricity and Magnetism	0.50/0.50	100	Y	Y
PHYS 124	Modern Physics	0.50/0.50	97	Y	Y

Term Avg	89.00	Term Units In Avg	3.75	Term Units Earned	3.75
Cumulative Avg	91.73	Total Units In Avg	6.50	Total Units Earned	6.50
Total Units Taken	6.50	Total Units Passed	6.50		
		Total Transfer Units	0.00		

Faculty Average 89.50 Calculated On May 05, 2014

Academic Standing: **Excellent standing**

Honours: **Term Dean's Honours List**

Notes: *S&P Feb 4/14 Petition to enrol in seven courses for the winter
2014 term, granted. ms*

Fall 2013 1A Full-Time

Program: Mathematics, Honours, Co-operative Program

Units

<i>Course</i>	<i>Description</i>	<i>Attempt/Earn</i>	<i>Grade</i>	<i>Credit</i>	<i>InGPA</i>	<i>Desig</i>	<i>DesGrd</i>
CHEM 120	Physical and Chemical Properties of Matter	0.50/0.50	90	Y	Y		
CHEM 120L	Chemical Reaction Laboratory 1	0.25/0.25	92	Y	Y		

CS 145	Designing Functional Programs (Advanced Level)	0.50/0.50	90	Y	Y
MATH 145	Algebra (Advanced Level)	0.50/0.50	100	Y	Y
MATH 147	Calculus 1 (Advanced Level)	0.50/0.50	99	Y	Y
PHYS 121	Mechanics	0.50/0.50	100	Y	Y

Term Avg	95.46	Term Units In Avg	2.75	Term Units Earned	2.75
Cumulative Avg	95.46	Total Units In Avg	2.75	Total Units Earned	2.75
Total Units Taken	2.75	Total Units Passed	2.75		
		Total Transfer Units	0.00		

Faculty Average 96.33 Calculated On Jan 06, 2014

Academic Standing: Excellent standing

Honours: Term Dean's Honours List

Non-Course Milestones

English Proficiency	Completed	September 04, 2013
Work Report 1	Completed	August 30, 2015
Work Report 2	Completed	December 30, 2015
Work Report 3	Completed	August 30, 2016
Work Term 1	Completed	August 30, 2015
Work Term 2	Completed	December 30, 2015
Work Term 3	Completed	August 30, 2016
Work Term 4	Completed	August 30, 2017
Workplace Hazardous Materials	Completed	September 23, 2013

Scholarships & Awards

2013-2014	Ronald G. Scoins National Scholarship
2013-2014	University of Waterloo President's Scholarship of Distinction

2014-2015	Ronald G. Scoins National Scholarship
2015-2016	Computational Mathematics Upper Year Scholarship
2015-2016	R.A. Wentzell Memorial Scholarship
2015-2016	Ronald G. Scoins National Scholarship
2016-2017	Computational Mathematics Upper Year Scholarship
2016-2017	Electrohome 75th Anniversary Scholarship
2016-2017	President's Research Award
2016-2017	Ronald G. Scoins National Scholarship

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