Name: Navajeevayokan, Tharseken

Student ID: 20726092

Ontario Education Nbr: 849750914

Beginning of Undergraduate Record

Fall 2017

Program: Level:		neering, Honours, Co-operative Program Load: Full-Time	Form Of Study: Enrolment		
Course CHE ECE ECE ECE MATH MATH Term GPA Cumulativ Academic	e GPA	Description Chemistry for Engineers Classical Mechanics Fundamentals of Programming Engineering Profession and Practice Linear Algebra for Engineering Calculus 1 for Engineering 76.36 Term Totals 76.36 Cumulative Totals d standing Effective 12/31/2017	0 0 0 0 0 <u>In G</u> 2	0.50 0.50 0.50 0.50 0.50 0.50 0.25 0.25 0.50 0.50 0.50 0.50	66 76 84 90 73 76
			ter 2018		
Program: Level:		ineering, Honours, Co-operative Program Load: Part-Time	Form Of Study: Co-op Work	Term	
Course COOP PD	1 20	<u>Description</u> Co-operative Work Term Engineering Workplace Skills I: Devel Conclusions	oping Reasoned 0	0.50 0.00 0.50 0.50	CR CR
Term GPA Cumulativ		0.00 Term Totals 76.36 Cumulative Totals		GPA Earned .00 0.50 2.75 3.25	
Program:		ineering, Honours, Co-operative Program	ing 2018		
Course ECE ECE ECE ECE MATH Term GPA Cumulativ	1B 106 108 108 124 140 119	ineering, Honours, Co-operative Program Load: Full-Time Description Electricity and Magnetism Discrete Mathematics and Logic 1 Digital Circuits and Systems Linear Circuits Calculus 2 for Engineering 75.00 Term Totals 75.71 Cumulative Totals	Form Of Study: Enrolment Attemp 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50	71 71 73 86 74
Course ECE ECE ECE ECE MATH Term GPA Cumulativ	1B 106 108 108 124 140 119	ineering, Honours, Co-operative Program Load: Full-Time Description Electricity and Magnetism Discrete Mathematics and Logic 1 Digital Circuits and Systems Linear Circuits Calculus 2 for Engineering 75.00 Term Totals 75.71 Cumulative Totals d standing Effective 09/19/2018	Form Of Study: Enrolment Attemp 0 0 0 0 0 1 0 1 1 2 5	0.50 0.50 0.50 0.50 <t< td=""><td>71 71 73 86 74</td></t<>	71 71 73 86 74
Course ECE ECE ECE ECE MATH Term GPA Cumulativ	1B 106 108 108 124 140 119 A e GPA Standing: Goo	ineering, Honours, Co-operative Program Load: Full-Time Description Electricity and Magnetism Discrete Mathematics and Logic 1 Digital Circuits and Systems Linear Circuits Calculus 2 for Engineering 75.00 Term Totals 75.71 Cumulative Totals d standing Effective 09/19/2018	Form Of Study: Enrolment Attemp 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 2.50 0.50 2.50 0.52 5.75	71 71 73 86 74
Level: Course ECE ECE ECE MATH Term GPA Cumulativ Academic	1B 106 108 108 124 140 119 A e GPA Standing: Goo	ineering, Honours, Co-operative Program Load: Full-Time Description Electricity and Magnetism Discrete Mathematics and Logic 1 Digital Circuits and Systems Linear Circuits Calculus 2 for Engineering 75.00 Term Totals 75.71 Cumulative Totals d standing Effective 09/19/2018 Faineering, Honours, Co-operative Program	Form Of Study: Enrolment Attemp 0 0 0 0 0 0 0 0 1n G 2 5 II 2018 Form Of Study: Co-op Work Attemp	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 Earned 0.50 2.50 Term ted Earned 0.50 0.50 0.50 0.50	71 71 73 86 74 Grade CR CR

Name: Navajeevayokan, Tharseken Student ID: 20726092 Ontario Education Nbr: 849750914

Program: Level:		gineering, Honours, Co-operative Program Load: Full-Time	Form Of Study: Enro	lment		
Course ECE ECE	204 205	Description Numerical Methods Advanced Calculus 1 for Electrical a	and Computer	Attempted 0.50 0.50	Earned 0.50 0.50	<u>Grade</u> 80 95
ECE ECE ECE ECE	222 240 250 290	Digital Computers Electronic Circuits 1 Algorithms and Data Structures Engineering Profession, Ethics, and	l Law	0.50 0.50 0.50 0.50 <u>In GPA</u> 3.00	0.50 0.50 0.50 0.50 <u>Earned</u> 3.00	75 84 86 83
Cumulativ	re GPA	78.67 Cumulative Totals ellent standing Effective 05/22/2019		8.25	9.25	
Program: Level:		Sigineering, Honours, Co-operative Program Load: Part-Time	pring 2019 Form Of Study: Co-c	pp Work Term		
Course COOP PD	3 3	Description Co-operative Work Term Communication		Attempted 0.50 0.50 In GPA	Earned 0.00 0.50 Earned	<u>Grade</u> CR CR
Cumulativ		0.00 Term Totals 78.67 Cumulative Totals		1.00 8.25	0.50 9.75	
			F-11 0040			
Program: Level:		gineering, Honours, Co-operative Program Load: Full-Time	Fall 2019 Form Of Study: Enro	lment		
0		gineering, Honours, Co-operative Program	Form Of Study: Enro	Attempted 0.50 0.50 0.50 0.50 0.25 0.50	Earned 0.50 0.50 0.50 0.50 0.25 0.50	Grade 79 87 85 87 93 87
Course ECE ECE ECE ECE ECC ECC ECU Term GPA Cumulativ	2B 207 208 224 252 298 101	gineering, Honours, Co-operative Program Load: Full-Time Description Signals and Systems Discrete Mathematics and Logic 2 Embedded Microprocessor Systems Systems Programming and Concur Instrumentation and Prototyping Lal	Form Of Study: Enro	Attempted 0.50 0.50 0.50 0.50 0.50 0.25	0.50 0.50 0.50 0.50 0.25	79 87 85 87 93
Course ECE ECE ECE ECE ECC ECC ECU ECU ECU ECU	2B 207 208 224 252 298 101 A re GPA Standing: Exce	Description Signals and Systems Discrete Mathematics and Logic 2 Embedded Microprocessor Systems Systems Programming and Concurr Instrumentation and Prototyping Lal Introduction to Microeconomics 85.73 Term Totals 80.43 Cumulative Totals ellent standing Effective 01/21/2020	Form Of Study: Enro s rency boratory	Attempted 0.50 0.50 0.50 0.50 0.25 0.50 In GPA 2.75	0.50 0.50 0.50 0.50 0.25 0.50 <u>Earned</u> 2.75	79 87 85 87 93
Course ECE ECE ECE ECE ECC ECC ECU Term GPA Cumulativ	2B 207 208 224 252 298 101 A re GPA : Standing: Exce	Description Signals and Systems Discrete Mathematics and Logic 2 Embedded Microprocessor Systems Systems Programming and Concur Instrumentation and Prototyping Lal Introduction to Microeconomics 85.73 Term Totals 80.43 Cumulative Totals ellent standing Effective 01/21/2020	Form Of Study: Enro s rency boratory	Attempted 0.50 0.50 0.50 0.50 0.50 0.25 0.25 0.50 In GPA 2.75 11.00	0.50 0.50 0.50 0.50 0.25 0.50 <u>Earned</u> 2.75	79 87 85 87 93
Level: Course ECE ECE ECE ECE ECON Term GPA Cumulativ Academic	2B 207 208 224 252 298 101 A re GPA Standing: Excel 2B 4 5	Description Signals and Systems Discrete Mathematics and Logic 2 Embedded Microprocessor Systems Systems Programming and Concur Instrumentation and Prototyping Lal Introduction to Microeconomics 85.73 Term Totals 80.43 Cumulative Totals ellent standing Effective 01/21/2020 Wigneering, Honours, Co-operative Program	Form Of Study: Enro s rency boratory	Attempted 0.50 0.50 0.50 0.50 0.50 0.25 0.25 0.50 In GPA 2.75 11.00	0.50 0.50 0.50 0.50 0.25 0.50 <u>Earned</u> 2.75	79 87 85 87 93

Name: Navajeevayokan, Tharseken Student ID: 20726092 Ontario Education Nbr: 849750914

Spring 2020

			pring 2020			
Program: Level:		jineering, Honours, Co-operative Program Load: Full-Time	Form Of Study: Enrol	ment		
Course		Description		Attempted	Earned	Grade
ECE	306	Probability Theory and Statistics		0.50	0.50	95
ECE	327	Digital Hardware Systems		0.50	0.50	95
ECE	351	Compilers		0.50	0.50	100
ECE	380	Analog Control Systems		0.50	0.50	96
SCI	238	Introductory Astronomy		0.50	0.50	90
WKRPT	201	Work-term Report		0.13	0.13	95
VVIXIXI	201	Degree Requirement, Not in Avg, N	lot in Fail Count	0.13	0.13	90
		Degree Requirement, Not in Avg, N	ioi iii r aii Courii	<u>In GPA</u>	Earned	
Term GPA		95.20 Term Totals		2.63	2.63	
Cumulative		83.17 Cumulative Totals		13.50	15.63	
		ellent standing Effective 09/15/2020		13.30	15.65	
	J	•				
Term Hone	ours: Terr	n Dean's Honours List				
_			Fall 2020			
Program:		gineering, Honours, Co-operative Program		\\\ . .		
Level:	3A I	Load: Part-Time	Form Of Study: Co-o	p Work Term		
Course		<u>Description</u>		<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
COOP	5	Co-operative Work Term		0.50	0.00	CR
PD	6	Problem Solving		0.50	0.50	CR
WKRPT	301	Work-term Report		0.13	0.13	89
		Degree Requirement, Not in Avg, N	lot in Fail Count			
WKRPT	401	Work-term Report		0.13	0.13	95
		Degree Requirement, Not in Avg, N	lot in Fail Count			
		3 , , , , , , , , , , , , , , , , , , ,		In GPA	Earned	
Term GPA		0.00 Term Totals		1.26	0.76	
Cumulative		83.17 Cumulative Totals		13.50	16.39	
Drogram:	Computer Eng		/inter 2021			
Program:		ineering, Honours, Co-operative Program				
Level:	2D I					
	3B I	Load: Full-Time	Form Of Study: Enrol	ment		
Course	3B I	Load: Full-Time	Form Of Study. Enroi		Formed	Crada
Course		Load: Full-Time Description	Form Of Study. Enfor	Attempted	Earned	<u>Grade</u>
ECE	350	Load: Full-Time Description Real-Time Operating Systems	Form Of Study. Enrol	Attempted 0.50	0.50	94
ECE ECE	350 356	Load: Full-Time Description Real-Time Operating Systems Database Systems	Form Of Study. Enfor	Attempted 0.50 0.50	0.50 0.50	94 95
ECE ECE ECE	350 356 358	Load: Full-Time Description Real-Time Operating Systems Database Systems Computer Networks	·	Attempted 0.50 0.50 0.50	0.50 0.50 0.50	94 95 95
ECE ECE	350 356	Load: Full-Time Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar	·	Attempted 0.50 0.50	0.50 0.50	94 95
ECE ECE ECE ECE	350 356 358 390	Load: Full-Time Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar Society	nd Impact on	Attempted 0.50 0.50 0.50 0.50	0.50 0.50 0.50 0.50	94 95 95 96
ECE ECE ECE	350 356 358	Load: Full-Time Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar	nd Impact on	Attempted 0.50 0.50 0.50 0.50 0.50	0.50 0.50 0.50 0.50 0.50	94 95 95
ECE ECE ECE ECE	350 356 358 390 405	Load: Full-Time Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar Society Introduction to Quantum Mechanics	nd Impact on	Attempted 0.50 0.50 0.50 0.50 0.50 In GPA	0.50 0.50 0.50 0.50 0.50 Earned	94 95 95 96
ECE ECE ECE ECE Term GPA	350 356 358 390 405	Load: Full-Time Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar Society Introduction to Quantum Mechanics 95.00 Term Totals	nd Impact on	Attempted 0.50 0.50 0.50 0.50 0.50 0.50 In GPA 2.50	0.50 0.50 0.50 0.50 0.50 <u>Earned</u> 2.50	94 95 95 96
ECE ECE ECE ECE Term GPA Cumulative	350 356 358 390 405	Load: Full-Time Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar Society Introduction to Quantum Mechanics 95.00 Term Totals 85.02 Cumulative Totals	nd Impact on	Attempted 0.50 0.50 0.50 0.50 0.50 In GPA	0.50 0.50 0.50 0.50 0.50 Earned	94 95 95 96
ECE ECE ECE ECE Cumulative Academic	350 356 358 390 405 e GPA Standing: Exce	Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar Society Introduction to Quantum Mechanics 95.00 Term Totals 85.02 Cumulative Totals ellent Standing Effective 05/19/2021	nd Impact on	Attempted 0.50 0.50 0.50 0.50 0.50 0.50 In GPA 2.50	0.50 0.50 0.50 0.50 0.50 <u>Earned</u> 2.50	94 95 95 96
ECE ECE ECE ECE Cumulative Academic	350 356 358 390 405 e GPA Standing: Exce	Load: Full-Time Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar Society Introduction to Quantum Mechanics 95.00 Term Totals 85.02 Cumulative Totals	nd Impact on	Attempted 0.50 0.50 0.50 0.50 0.50 0.50 In GPA 2.50	0.50 0.50 0.50 0.50 0.50 <u>Earned</u> 2.50	94 95 95 96
ECE ECE ECE ECE Cumulative Academic	350 356 358 390 405 e GPA Standing: Exce	Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar Society Introduction to Quantum Mechanics 95.00 Term Totals 85.02 Cumulative Totals ellent Standing Effective 05/19/2021 In Dean's Honours List	nd Impact on	Attempted 0.50 0.50 0.50 0.50 0.50 0.50 In GPA 2.50	0.50 0.50 0.50 0.50 0.50 <u>Earned</u> 2.50	94 95 95 96
ECE ECE ECE ECE Term GPA Cumulative Academic Term Hono	350 356 358 390 405 e GPA Standing: Excepturs: Terr	Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar Society Introduction to Quantum Mechanics 95.00 Term Totals 85.02 Cumulative Totals ellent Standing Effective 05/19/2021 In Dean's Honours List	nd Impact on	Attempted 0.50 0.50 0.50 0.50 0.50 0.50 In GPA 2.50	0.50 0.50 0.50 0.50 0.50 <u>Earned</u> 2.50	94 95 95 96
ECE ECE ECE ECE Term GPA Cumulative Academic Term Hono	350 356 358 390 405 e GPA Standing: Excepturs: Terr	Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar Society Introduction to Quantum Mechanics 95.00 Term Totals 85.02 Cumulative Totals ellent Standing Effective 05/19/2021 In Dean's Honours List Sgineering, Honours, Co-operative Program	nd Impact on	Attempted 0.50 0.50 0.50 0.50 0.50 In GPA 2.50 16.00	0.50 0.50 0.50 0.50 0.50 <u>Earned</u> 2.50	94 95 95 96
ECE ECE ECE ECE Term GPA Cumulative Academic Term Hono	350 356 358 390 405 e GPA Standing: Excepturs: Terr	Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar Society Introduction to Quantum Mechanics 95.00 Term Totals 85.02 Cumulative Totals ellent Standing Effective 05/19/2021 In Dean's Honours List	nd Impact on	Attempted 0.50 0.50 0.50 0.50 0.50 In GPA 2.50 16.00	0.50 0.50 0.50 0.50 0.50 <u>Earned</u> 2.50	94 95 95 96
ECE ECE ECE ECE Term GPA Cumulative Academic Term Hono	350 356 358 390 405 e GPA Standing: Excepturs: Terr	Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar Society Introduction to Quantum Mechanics 95.00 Term Totals 85.02 Cumulative Totals ellent Standing Effective 05/19/2021 In Dean's Honours List Signeering, Honours, Co-operative Program Load: Part-Time	nd Impact on	Attempted	0.50 0.50 0.50 0.50 0.50 <u>Earned</u> 2.50 18.89	94 95 95 96 95
ECE ECE ECE ECE Term GPA Cumulative Academic Term Hono Program: Level: Course	350 356 358 390 405 e GPA Standing: Excepturs: Terror	Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar Society Introduction to Quantum Mechanics 95.00 Term Totals 85.02 Cumulative Totals ellent Standing Effective 05/19/2021 In Dean's Honours List Signeering, Honours, Co-operative Program Load: Part-Time Description	nd Impact on	Attempted	0.50 0.50 0.50 0.50 0.50 <u>Earned</u> 2.50 18.89	94 95 95 96 95
ECE ECE ECE ECE Term GPA Cumulative Academic Term Hono	350 356 358 390 405 e GPA Standing: Excepturs: Terr	Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar Society Introduction to Quantum Mechanics 95.00 Term Totals 85.02 Cumulative Totals ellent Standing Effective 05/19/2021 In Dean's Honours List Signeering, Honours, Co-operative Program Load: Part-Time	nd Impact on	Attempted	0.50 0.50 0.50 0.50 0.50 <u>Earned</u> 2.50 18.89	94 95 95 96 95
ECE ECE ECE ECE Term GPA Cumulative Academic Term Hono Program: Level: Course COOP	350 356 358 390 405 e GPA Standing: Excepture: Terror	Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar Society Introduction to Quantum Mechanics 95.00 Term Totals 85.02 Cumulative Totals ellent Standing Effective 05/19/2021 m Dean's Honours List Sgineering, Honours, Co-operative Program Load: Part-Time Description Co-operative Work Term	nd Impact on	Attempted	0.50 0.50 0.50 0.50 0.50 <u>Earned</u> 2.50 18.89	94 95 95 96 95
ECE ECE ECE ECE Term GPA Cumulative Academic Term Hono Program: Level: Course COOP Term GPA	350 356 358 390 405 e GPA Standing: Excepture: Terror Computer Engular 1	Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar Society Introduction to Quantum Mechanics 95.00 Term Totals 85.02 Cumulative Totals ellent Standing Effective 05/19/2021 m Dean's Honours List Sgineering, Honours, Co-operative Program Load: Part-Time Description Co-operative Work Term 0.00 Term Totals	nd Impact on	Attempted	0.50 0.50 0.50 0.50 0.50 <u>Earned</u> 2.50 18.89 <u>Earned</u> 0.00 <u>Earned</u>	94 95 95 96 95
ECE ECE ECE ECE Term GPA Cumulative Academic Term Hono Program: Level: Course COOP	350 356 358 390 405 e GPA Standing: Excepture: Terror Computer Engular 1	Description Real-Time Operating Systems Database Systems Computer Networks Engineering Design, Economics, ar Society Introduction to Quantum Mechanics 95.00 Term Totals 85.02 Cumulative Totals ellent Standing Effective 05/19/2021 m Dean's Honours List Sgineering, Honours, Co-operative Program Load: Part-Time Description Co-operative Work Term	nd Impact on	Attempted	0.50 0.50 0.50 0.50 0.50 <u>Earned</u> 2.50 18.89	94 95 95 96 95

Navajeevayokan, Tharseken Name:

Student ID: 20726092

Ontario Education Nbr: 849750914

			Fall 2021
Program:	Compu	ter Engineering, Honours, Co-operative Pr	ogram
Level:	4B	Load: Full-Time	Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
CLAS	104	Classical Mythology			
ECE	451	Software Requirements Specification and Analysis			
ECE	498A	Engineering Design Project			
MSCI	331	Introduction to Optimization			
MSCI	432	Production and Service Operations Management			

Milestones

Date Completed	<u>Description</u>	<u>Status</u>
09/18/2017	Workplace Hazardous Materials	Completed
12/05/2017	English Proficiency	Completed
04/30/2018	Work Term 1	Completed
12/30/2018	Work Term 2	Completed
08/31/2019	Work Term 3	Completed
04/30/2020	Work Term 4	Completed
08/31/2020	Work Report 2	Completed
12/31/2020	Work Report 3	Completed
12/31/2020	Work Report 4	Completed
12/31/2020	Work Term 5	Completed
08/31/2021	Work Term 6	Completed

Scholarships and Awards

2018 University of Waterloo President's Scholarship

End of Undergraduate Unofficial Transcript