

# UNOFFICIAL TRANSCRIPT OF STUDIES AT THE UNIVERSITY OF VICTORIA

## FOR Ashwin Muruganandam (V00927283) AS OF 10 Jul 2024

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### Course History at the University of Victoria

SESSION	COURSE	DESCRIPTION	UNIT VALUE	GRADE	GRADE POINT	AWARDED UNITS	NOTE	COMPARATIVE MEAN	SIZE
ACADEMIC RECORD FOR UNDERGRADUATE STUDIES EXCLUDING LAW PROGRAMS									
<b>WINTER 2018-2019</b>									
Second Term: Jan - Apr 2019									
ENGINEERING B.SC.									
	CSC 111	FUNDAMENTALS OF PROGRAMMING WITH ENGINEERING APPLICATIONS	1.5	77% B+	6	1.5		58%	66
	ENGL 135	ACADEMIC READING AND WRITING	1.5	74% B	5	1.5		68%	28
	MATH 109	INTRODUCTION TO CALCULUS	1.5	74% B	5	1.5		54%	168
	PHYS 110	INTRODUCTORY PHYSICS I	1.5	55% D	1	1.5		58%	144
SESSIONAL GPA = 4.25 (30APR2019)									
CREDIT IN 6.0 UNITS									
IN GOOD ACADEMIC STANDING (30APR2019)									
<b>SUMMER 2019</b>									
Summer Session: May - Aug 2019									
ENGINEERING B.SC.									
	CHEM 101	FUNDAMENTALS OF CHEMISTRY FROM ATOMS TO MATERIALS	1.5	76% B	5	1.5		66%	73
	MATH 101	CALCULUS II	1.5	82% A-	7	1.5		63%	128
	MATH 211	MATRIX ALGEBRA I	1.5	83% A-	7	1.5		71%	73
	STAT 260	INTRODUCTION TO PROBABILITY AND STATISTICS I	1.5	97% A+	9	1.5		80%	134
SESSIONAL GPA = 7.00 (26AUG2019)									
CREDIT IN 6.0 UNITS									
IN GOOD ACADEMIC STANDING (26AUG2019)									
<b>WINTER 2019-2020</b>									
First Term: Sep - Dec 2019									
ENGINEERING B.SC.									
(CO-OP COMPUTER SCIENCE)									
	CSC 116	FUNDAMENTALS OF PROGRAMMING WITH ENGINEERING APPLICATIONS II	1.5	83% A-	7	1.5		68%	124
	MATH 200	CALCULUS III	1.5	83% A-	7	1.5		74%	204
	PHYS 110	INTRODUCTORY PHYSICS I	1.5	75% B	5	0.0	DUP	66%	86
Second Term: Jan - Apr 2020									
ENGINEERING B.SC.									
(CO-OP COMPUTER SCIENCE)									
DISRUPTION OF STUDIES DUE TO COVID19									
	BIOC 102	BIOCHEMISTRY AND HUMAN HEALTH	1.5	87% A	8	1.5			
	COM 220	ORGANIZATIONAL BEHAVIOUR	1.5	87% A	8	1.5			
	ENGL 225	TECHNICAL COMMUNICATIONS: WRITTEN AND VERBAL	1.5	80% A-	7	1.5			
	MATH 204	CALCULUS IV	1.5	90% A+	9	1.5			
	PHYS 111	INTRODUCTORY PHYSICS II	1.5	78% B+	6	1.5			
SESSIONAL GPA = 7.13 (15MAY2020)									
CREDIT IN 10.5 UNITS									
IN GOOD ACADEMIC STANDING (01JUN2020)									

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<b>WINTER 2020-2021</b>									
First Term: Sep - Dec 2020									
ENGINEERING B.ENG.									
COMPUTER ENGINEERING									
(CO-OP ENGINEERING)									
THIS TERM TOOK PLACE DURING THE COVID-19 PANDEMIC									
ECE	241	DIGITAL DESIGN	1.5	90% A+	9	1.5		82%	77
ECE	250	LINEAR CIRCUITS I	1.5	91% A+	9	1.5		75%	185
ECE	255	INTRODUCTION TO COMPUTER ARCHITECTURE	1.5	99% A+	9	1.5		82%	127
ECON	180	INTRODUCTION TO ECONOMICS AND FINANCIAL PROJECT EVALUATION	1.5	93% A+	9	1.5		84%	141
ENGR	112	DESIGN I	1.0	87% A	8	1.0		82%	30
ENGR	130	INTRODUCTION TO PROFESSIONAL PRACTICE	0.5	95% A+	9	0.5		86%	85
Second Term: Jan - Apr 2021									
ENGINEERING B.ENG.									
COMPUTER ENGINEERING									
(CO-OP ENGINEERING)									
THIS TERM TOOK PLACE DURING THE COVID-19 PANDEMIC									
CSC	349A	NUMERICAL ANALYSIS	1.5	95% A+	9	1.5		80%	238
ECE	458	COMMUNICATION NETWORKS	1.5	97% A+	9	1.5		91%	87
ENGR	121	DESIGN II	1.0	100% A+	9	1.0		93%	16
ENGR	141	ENGINEERING MECHANICS	1.5	93% A+	9	1.5		74%	100
ENGR	297	TECHNOLOGY AND SOCIETY	1.5	91% A+	9	1.5		83%	130
SESSIONAL GPA = 8.93 (04MAY2021)									
CREDIT IN 14.5 UNITS									
IN GOOD ACADEMIC STANDING (04MAY2021)									
<b>SUMMER 2021</b>									
Summer Session: May - Aug 2021									
ENGINEERING B.ENG.									
COMPUTER ENGINEERING									
(CO-OP ENGINEERING)									
THIS TERM TOOK PLACE DURING THE COVID-19 PANDEMIC									
ECE	216	ELECTRICITY AND MAGNETISM	1.5	87% A	8	1.5		76%	129
ECE	220	ELECTRICAL PROPERTIES OF MATERIALS	1.5	94% A+	9	1.5		82%	67
ECE	242	DISCRETE STRUCTURES IN ENGINEERING	1.5	93% A+	9	1.5		82%	22
ECE	260	CONTINUOUS-TIME SIGNALS AND SYSTEMS	1.5	92% A+	9	1.5		68%	82
ECE	299	INTRODUCTION TO ELECTRICAL AND COMPUTER ENGINEERING DESIGN	1.5	97% A+	9	1.5		89%	67
SESSIONAL GPA = 8.80 (01SEP2021)									
CREDIT IN 7.5 UNITS									
IN GOOD ACADEMIC STANDING (01SEP2021)									

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<b>WINTER 2021-2022</b>									
First Term: Sep - Dec 2021									
ENGINEERING B.ENG.									
COMPUTER ENGINEERING									
(CO-OP ENGINEERING)									
Work Term: 30AUG2021 - 31DEC2021									
UNIVERSITY OF VICTORIA VICTORIA, BC CANADA									
	ENGR 001	WORK TERM 1	4.5	COM				N/A	
Second Term: Jan - Apr 2022									
ENGINEERING B.ENG.									
COMPUTER ENGINEERING									
(CO-OP ENGINEERING)									
	ECE 300	LINEAR CIRCUITS II	1.5	78% B+	6	1.5		71%	94
	ECE 310	DIGITAL SIGNAL PROCESSING I	1.5	97% A+	9	1.5		81%	123
	ECE 320	ELECTRONIC DEVICES I	1.5	65% C+	3	1.5		61%	83
	ECE 330	ELECTRONIC CIRCUITS I	1.5	89% A	8	1.5		80%	98
	ECE 340	APPLIED ELECTROMAGNETICS AND PHOTONICS	1.5	86% A	8	1.5		77%	94
SESSIONAL GPA = 6.80 (03MAY2022)									
CREDIT IN 7.5 UNITS									
IN GOOD ACADEMIC STANDING (03MAY2022)									
<b>SUMMER 2022</b>									
Summer Session: May - Aug 2022									
ENGINEERING B.ENG.									
COMPUTER ENGINEERING									
(CO-OP ENGINEERING)									
Work Term: 01MAY2022 - 31AUG2022									
SYNCRUDE CANADA FORT MCMURRAY, AB CANADA									
	ENGR 002	WORK TERM 2	4.5	COM				N/A	
IN GOOD ACADEMIC STANDING (01NOV2022)									
<b>WINTER 2022-2023</b>									
First Term: Sep - Dec 2022									
ENGINEERING B.ENG.									
COMPUTER ENGINEERING									
(CO-OP ENGINEERING)									
	ECE 355	MICROPROCESSOR-BASED SYSTEMS	1.5	88% A	8	1.5		83%	145
	ECE 356	ENGINEERING SYSTEM SOFTWARE	1.5	92% A+	9	1.5		82%	20
	ECE 360	CONTROL THEORY AND SYSTEMS I	1.5	96% A+	9	1.5		80%	78
	ECE 370	ELECTROMECHANICAL ENERGY CONVERSION	1.5	90% A+	9	1.5		80%	72
	ECE 399	DESIGN PROJECT I	1.5	91% A+	9	1.5		88%	84

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Second Term: Jan - Apr 2023									
ENGINEERING B.ENG.									
COMPUTER ENGINEERING (CO-OP ENGINEERING)									
Work Term: 01JAN2023 - 30APR2023									
STANTEC CONSULTING VANCOUVER, BC CANADA									
	ENGR 003	WORK TERM 3	4.5	COM					N/A
SESSIONAL GPA = 8.80 (30JUN2023)									
CREDIT IN 7.5 UNITS									
IN GOOD ACADEMIC STANDING (17APR2023)									
<b>SUMMER 2023</b>									
Summer Session: May - Aug 2023									
ENGINEERING B.ENG.									
COMPUTER ENGINEERING (CO-OP ENGINEERING)									
	ECE 441	DESIGN OF DIGITAL AND VLSI SYSTEMS	1.5	91% A+	9	1.5		85%	60
	ECE 466	SYSTEM-ON-CHIP ENGINEERING FOR SIGNAL PROCESSING	1.5	87% A	8	1.5		77%	47
	ECE 499	DESIGN PROJECT II	1.5	95% A+	9	1.5		87%	83
	SENG 440	EMBEDDED SYSTEMS	1.5	94% A+	9	1.5		85%	92
SESSIONAL GPA = 8.75 (28AUG2023)									
CREDIT IN 6.0 UNITS									
IN GOOD ACADEMIC STANDING (28AUG2023)									
<b>WINTER 2023-2024</b>									
First Term: Sep - Dec 2023									
ENGINEERING B.ENG.									
COMPUTER ENGINEERING (CO-OP ENGINEERING)									
	ECE 403	OPTIMIZATION FOR MACHINE LEARNING	1.5	95% A+	9	1.5		82%	24
	ECE 463	DESIGN AND ANALYSIS OF COMPUTER NETWORKS	1.5	93% A+	9	1.5		83%	29
	ECE 496B	SELECTED TOPICS IN ECE: MODERN COMPUTER ARITHMETIC	1.5	92% A+	9	1.5		79%	18
	MECH 458	MECHATRONICS	1.5	93% A+	9	1.5		83%	63

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COMPUTER ENGINEERING									
(CO-OP ENGINEERING)									
	ENGR 004	WORK TERM 4	4.5	COM					N/A
	ENGR 446	TECHNICAL REPORT	1.0	86% A	8	1.0		81%	49
SESSIONAL GPA = 8.86 (06MAY2024)									
CREDIT IN 7.0 UNITS									
IN GOOD ACADEMIC STANDING (29APR2024)									
CREDENTIAL GRANTED:									
23 MAY 2024 BACHELOR OF ENGINEERING WITH DISTINCTION									
COMPUTER ENGINEERING									
(CO-OP ENGINEERING)									
2023W CUMULATIVE GPA: 7.84									

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