

# UNOFFICIAL TRANSCRIPT OF STUDIES AT THE UNIVERSITY OF VICTORIA

## FOR Ashwin Muruganandam (V00927283) AS OF 13 Sep 2023

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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									
WINTER 2018-2019									
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)									
SUMMER 2019									
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)									
WINTER 2019-2020									
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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### Course History at the University of Victoria

SESSION	COURSE	DESCRIPTION	UNIT VALUE	GRADE	GRADE POINT	AWARDED UNITS	NOTE	COMPARATIVE MEAN	SIZE
<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)									
SUMMER 2023									
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		86%	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)									
CUMULATIVE GPA: 7.73									
WINTER 2023-2024									
First Term: Sep - Dec 2023									
ENGINEERING B.ENG.									
COMPUTER ENGINEERING									
(CO-OP ENGINEERING)									
ECE	403	OPTIMIZATION FOR MACHINE LEARNING	1.5	CONTINUING					
ECE	463	DESIGN AND ANALYSIS OF COMPUTER NETWORKS	1.5	CONTINUING					
ECE	484	AUDIO SIGNAL PROCESSING	1.5	CONTINUING					
ECE	496B	SELECTED TOPICS IN ECE: MODERN COMPUTER ARITHMETIC	1.5	CONTINUING					
ENGR	446	TECHNICAL REPORT	1.0	CONTINUING					

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COMPUTER ENGINEERING									
(CO-OP ENGINEERING)									
	ECE 406	APPLIED CRYPTOGRAPHY	1.5	REGISTERED					
	ECE 435	MEDICAL IMAGE PROCESSING	1.5	REGISTERED					
	ECE 455	REAL TIME COMPUTER SYSTEMS DESIGN PROJECT	1.5	REGISTERED					
	ECE 470	ARTIFICIAL INTELLIGENCE	1.5	REGISTERED					
	ECE 471	COMPUTER VISION	1.5	REGISTERED					
	ENGR 446	TECHNICAL REPORT	1.0	REGISTERED					

-----END OF TRANSCRIPT-----