University of Waterloo
200 University Ave. West
Waterloo Ontario Canada N2L3G1

Undergraduate Unofficial Transcript

Name: Kalia, Chetan
Student ID: 20771400
Ontario Education Nbr: 132642117

Degrees Awarded

Degree:	Bachelor of Applied Science
Confer Date:	06/05/2023
Degree Honours:	With Distinction
	Systems Design Engineering, Honours, Co-operative Program

Beginning of Undergraduate Record

Fall 2018

Program: Systems Design Engineering, Honours, Co-operative Program
Level: 1A   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
SYDE	101	Introduction to Systems Design Engineering	0.25	0.25	67
SYDE	101L	Graphics Laboratory	0.25	0.25	64
SYDE	111	Fundamental Engineering Math 1	0.50	0.50	62
SYDE	113	Matrices and Linear Systems	0.25	0.25	53
SYDE	121	Digital Computation	0.50	0.50	61
SYDE	161	Introduction to Design	0.50	0.50	61
SYDE	181	Physics 1 (Statics)	0.50	0.50	52
			In GPA	Earned	
Term GPA		59.64 Term Totals	2.75	2.75	
Cumulative GPA		59.64 Cumulative Totals	2.75	2.75	

Academic Standing: Satisfactory standing Effective 01/18/2019

Winter 2019

Program: Systems Design Engineering, Honours, Co-operative Program
Level: 1A   Form Of Study: Co-op Work Term

Course		Description	Attempted	Earned	Grade
COOP	1	Co-operative Work Term	0.50	0.00	CR
PD	20	Engineering Workplace Skills I: Developing Reasoned Conclusions	0.50	0.50	CR
			In GPA	Earned	
Term GPA		0.00 Term Totals	1.00	0.50	
Cumulative GPA		59.64 Cumulative Totals	2.75	3.25	

Spring 2019

Program: Systems Design Engineering, Honours, Co-operative Program
Level: 1B   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
ECON	101	Introduction to Microeconomics	0.50	0.50	81
SYDE	112	Fundamental Engineering Math 2	0.50	0.50	75
SYDE	114	Numerical and Applied Calculus	0.25	0.25	69
SYDE	162	Human Factors in Design	0.50	0.50	82
SYDE	182	Physics 2 (Dynamics)	0.50	0.50	75
SYDE	192	Digital Systems	0.50	0.50	88
SYDE	192L	Digital Systems Laboratory	0.25	0.25	71
			In GPA	Earned	
Term GPA		78.50 Term Totals	3.00	3.00	
Cumulative GPA		69.48 Cumulative Totals	5.75	6.25	

Academic Standing: Good standing Effective 09/18/2019

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Fall 2019

Program: Systems Design Engineering, Honours, Co-operative Program
Level: 1B   Form Of Study: Co-op Work Term

Course		Description	Attempted	Earned	Grade
COOP	2	Co-operative Work Term	0.50	0.00	CR
PD	21	Engineering Workplace Skills II: Developing Effective Plans	0.50	0.50	CR
			In GPA	Earned	
Term GPA		0.00 Term Totals	1.00	0.50	
Cumulative GPA		69.48 Cumulative Totals	5.75	6.75	

Winter 2020

Program: Systems Design Engineering, Honours, Co-operative Program
Level: 2A   Form Of Study: Enrolment

COVID-19 impacted assessment methods and performance in many courses this term.

Course		Description	Attempted	Earned	Grade
SYDE	211	Advanced Engineering Math 1	0.50	0.50	83
SYDE	223	Data Structures and Algorithms	0.50	0.50	81
SYDE	261	Design, Systems, and Society	0.50	0.50	79
SYDE	283	Physics 3 (Electricity, Magnetism and Optics)	0.50	0.50	91
SYDE	285	Materials Chemistry	0.50	0.50	80
			In GPA	Earned	
Term GPA		82.80 Term Totals	2.50	2.50	
Cumulative GPA		73.52 Cumulative Totals	8.25	9.25	

Academic Standing: Excellent standing Effective 05/27/2020

Spring 2020

Program: Systems Design Engineering, Honours, Co-operative Program
Level: 2A   Form Of Study: Co-op Work Term

Course		Description	Attempted	Earned	Grade
COOP	3	Co-operative Work Term	0.50	0.00	CR
PD	8	Intercultural Skills	0.50	0.50	CR
			In GPA	Earned	
Term GPA		0.00 Term Totals	1.00	0.50	
Cumulative GPA		73.52 Cumulative Totals	8.25	9.75	

Fall 2020

Program: Systems Design Engineering, Honours, Co-operative Program
Level: 2B   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
PSYCH	101	Introductory Psychology	0.50	0.50	87
SYDE	212	Probability and Statistics	0.50	0.50	87
SYDE	252	Linear Systems and Signals	0.50	0.50	91
SYDE	262	Engineering Economics of Design	0.50	0.50	91
SYDE	286	Mechanics of Deformable Solids	0.50	0.50	73
SYDE	292	Circuits, Instrumentation, and Measurements	0.50	0.50	90
SYDE	292L	Circuits, Instrumentation, and Measurements Laboratory	0.25	0.25	91
WKRPT	200	Work-term Report	0.13	0.13	65
		Degree Requirement, Not in Average			
			In GPA	Earned	
Term GPA		86.85 Term Totals	3.38	3.38	
Cumulative GPA		77.28 Cumulative Totals	11.50	13.13	

Academic Standing: Excellent Standing Effective 01/21/2021

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Winter 2021

Program: Systems Design Engineering, Honours, Co-operative Program
Artificial Intelligence Option
Level: 2B   Form Of Study: Co-op Work Term

Course		Description	Attempted	Earned	Grade
COOP	4	Co-operative Work Term	0.50	0.00	CR
PD	5	Project Management	0.50	0.50	CR
			In GPA	Earned	
Term GPA		0.00 Term Totals	1.00	0.50	
Cumulative GPA		77.28 Cumulative Totals	11.50	13.63	

Spring 2021

Program: Systems Design Engineering, Honours, Co-operative Program
Artificial Intelligence Option
Level: 3A   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
SYDE	311	Advanced Engineering Math 2	0.50	0.50	86
SYDE	351	Systems Models 1	0.50	0.50	70
SYDE	361	Systems Design Methods 1: Needs Analysis and Prototyping	0.50	0.50	79
SYDE	381	Thermodynamics	0.50	0.50	91
SYDE	383	Fluid Mechanics	0.50	0.50	80
WKRPT	300	Work-term Report	0.13	0.13	89
		Degree Requirement, Not in Average			
			In GPA	Earned	
Term GPA		81.20 Term Totals	2.63	2.63	
Cumulative GPA		77.98 Cumulative Totals	14.00	16.26	

Academic Standing: Excellent Standing Effective 09/14/2021

Fall 2021

Program: Systems Design Engineering, Honours, Co-operative Program
Artificial Intelligence Option
Level: 3A   Form Of Study: Co-op Work Term

Course		Description	Attempted	Earned	Grade
COOP	5	Co-operative Work Term	0.50	0.00	CR
PD	6	Problem Solving	0.50	0.50	CR
			In GPA	Earned	
Term GPA		0.00 Term Totals	1.00	0.50	
Cumulative GPA		77.98 Cumulative Totals	14.00	16.76	

Winter 2022

Program: Systems Design Engineering, Honours, Co-operative Program
Artificial Intelligence Option
Level: 3B   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
MSCI	432	Production and Service Operations Management	0.50	0.50	84
SYDE	312	Applied Linear Algebra	0.50	0.50	76
SYDE	352	Introduction to Control Systems	0.50	0.50	78
SYDE	352L	Control Systems Laboratory	0.25	0.25	95
SYDE	362	Systems Design Methods 2: Testing, Verification, and Validation	0.50	0.50	76
SYDE	572	Introduction to Pattern Recognition	0.50	0.50	85
			In GPA	Earned	
Term GPA		81.18 Term Totals	2.75	2.75	
Cumulative GPA		78.51 Cumulative Totals	16.75	19.51	

Academic Standing: Excellent Standing Effective 05/19/2022

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Fall 2022

Program: Systems Design Engineering, Honours, Co-operative Program
               Artificial Intelligence Option
Level: 4A   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
INTEG	210	Making Collaboration Work	0.50	0.50	87
MSCI	551	Quality Management and Control	0.50	0.50	88
SYDE	411	Optimization and Numerical Methods	0.50	0.50	91
SYDE	461	Systems Design Capstone Project 1	0.50	0.50	74
SYDE	542	Interface Design	0.50	0.50	87
WKRPT	400	Work-term Report	0.13	0.13	65
		Degree Requirement, Not in Average			

			In GPA	Earned	
Term GPA	85.40	Term Totals	2.63	2.63	
Cumulative GPA	79.40	Cumulative Totals	19.25	22.14	

Academic Standing: Excellent Standing Effective 01/19/2023

Winter 2023

Program: Systems Design Engineering, Honours, Co-operative Program
Level: 4B   Form Of Study: Enrolment

Course		Description	Attempted	Earned	Grade
BET	210	Business Technology and Infrastructure	0.50	0.50	99
ECE	452	Software Design and Architectures	0.50	0.50	95
INTEG	440	Computational Social Science	0.50	0.50	99
MSCI	446	Introduction to Machine Learning	0.50	0.50	88
SYDE	462	Systems Design Capstone Project 2	0.50	0.50	73

			In GPA	Earned	
Term GPA	90.80	Term Totals	2.50	2.50	
Cumulative GPA	80.71	Cumulative Totals	21.75	24.64	

Academic Standing: Excellent Standing Effective 05/19/2023
Term Honours: Term Dean's Honours List

Milestones

Date Completed	Description	Status
10/29/2018	English Proficiency	Completed
01/14/2019	Workplace Hazardous Materials	Completed
04/30/2019	Work Term 1	Completed
12/31/2019	Work Term 2	Completed
08/31/2020	Work Term 3	Completed
12/31/2020	Work Report 2	Completed
04/30/2021	Work Term 4	Completed
08/31/2021	Work Report 3	Completed
12/31/2021	Work Term 5	Completed
12/31/2022	Work Report 4	Completed

Scholarships and Awards

2019   University of Waterloo President's Scholarship of Distinction

End of Undergraduate Unofficial Transcript