

## Undergraduate Unofficial Transcript

Name: Zhang, Matthew  
Student ID: 20901534  
Ontario Education Nbr: 618321210

### Beginning of Undergraduate Record

#### Fall 2020

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

Course		Description	Attempted	Earned	Grade
SYDE	101	Communications in Systems Design Engineering-Written and Oral	0.25	0.25	92
SYDE	101L	Communications in Systems Design Engineering-Visualization	0.25	0.25	92
SYDE	111	Fundamental Engineering Math 1	0.50	0.50	89
SYDE	113	Matrices and Linear Systems	0.25	0.25	95
SYDE	121	Digital Computation	0.50	0.50	92
SYDE	161	Introduction to Design	0.50	0.50	81
SYDE	181	Physics 1 (Statics)	0.50	0.50	97
			<u>In GPA</u>	<u>Earned</u>	
Term GPA			2.75	2.75	
Cumulative GPA			2.75	2.75	
Academic Standing: Excellent Standing Effective 01/21/2021					

#### Winter 2021

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	19	Tactics for Workplace Success	0.50	0.50	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA			1.00	0.50	
Cumulative GPA			2.75	3.25	

#### Spring 2021

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	95
SYDE	112	Fundamental Engineering Math 2	0.50	0.50	82
SYDE	114	Numerical and Applied Calculus	0.25	0.25	93
SYDE	162	Human Factors in Design	0.50	0.50	84
SYDE	192	Digital Systems	0.50	0.50	90
SYDE	192L	Digital Systems Laboratory	0.25	0.25	90
SYDE	223	Data Structures and Algorithms	0.50	0.50	91
			<u>In GPA</u>	<u>Earned</u>	
Term GPA			3.00	3.00	
Cumulative GPA			5.75	6.25	
Academic Standing: Excellent Standing Effective 09/14/2021					

#### Fall 2021

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	20	Engineering Workplace Skills I: Developing Reasoned Conclusions	0.50	0.50	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA			1.00	0.50	
Cumulative GPA			5.75	6.75	

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### Winter 2022

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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
SYDE	182	Physics 2 (Dynamics)	0.50	0.50	87
SYDE	211	Calculus 3	0.50	0.50	73
SYDE	261	Design, Systems, and Society	0.50	0.50	85
SYDE	263	Engineering Prototyping	0.25	0.25	CR
SYDE	283	Physics 3 (Electricity, Magnetism and Optics)	0.50	0.50	80
SYDE	285	Materials Chemistry	0.50	0.50	68
			<u>In GPA</u>	<u>Earned</u>	
Term GPA			78.60	Term Totals	2.75
Cumulative GPA			86.36	Cumulative Totals	2.75
Academic Standing: Good Standing Effective 05/19/2022			8.25		9.50

### Spring 2022

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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
COOP	3	Co-operative Work Term	0.50	0.00	CR
PD	4	Teamwork	0.50	0.50	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA			0.00	Term Totals	1.00
Cumulative GPA			86.36	Cumulative Totals	0.50
			8.25		10.00

### Fall 2022

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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
SYDE	212	Probability and Statistics	0.50	0.50	77
SYDE	252	Linear Systems and Signals	0.50	0.50	84
SYDE	262	Engineering Economics of Design	0.50	0.50	88
SYDE	286	Mechanics of Deformable Solids	0.50	0.50	92
SYDE	292	Circuits, Instrumentation, and Measurements	0.50	0.50	87
SYDE	292L	Circuits, Instrumentation, and Measurements Laboratory	0.25	0.25	77
WKRPT	200	Work-term Report	0.13	0.13	89
			<i>Degree Requirement, Not in Average</i>		
			<u>In GPA</u>	<u>Earned</u>	
Term GPA			84.82	Term Totals	2.88
Cumulative GPA			85.98	Cumulative Totals	2.88
Academic Standing: Excellent Standing Effective 01/19/2023			11.00		12.88

### Winter 2023

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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
COOP	4	Co-operative Work Term	0.50	0.00	CR
PD	5	Project Management	0.50	0.50	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA			0.00	Term Totals	1.00
Cumulative GPA			85.98	Cumulative Totals	0.50
			11.00		13.38

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### Spring 2023

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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
SYDE	311	Advanced Engineering Math 2	0.50	0.50	94
SYDE	351	Systems Models 1	0.50	0.50	61
SYDE	361	Systems Design Methods 1: Needs Analysis and Prototyping	0.50	0.50	84
SYDE	381	Thermodynamics	0.50	0.50	68
SYDE	383	Fluid Mechanics	0.50	0.50	66
WKRPT	300	Work-term Report	0.13	0.13	75
<i>Degree Requirement, Not in Average</i>					
			<u>In GPA</u>	<u>Earned</u>	
Term GPA 74.60 Term Totals			2.63	2.63	
Cumulative GPA 83.87 Cumulative Totals			13.50	16.01	
Academic Standing: Good Standing Effective 09/14/2023					

### Fall 2023

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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
COOP	5	Co-operative Work Term	0.50	0.00	CR
PD	9	Ethical Decision Making	0.50	0.50	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA 0.00 Term Totals			1.00	0.50	
Cumulative GPA 83.87 Cumulative Totals			13.50	16.51	

### Winter 2024

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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
MSCI	446	Introduction to Machine Learning	0.50	0.50	80
MUSIC	140	Popular Music and Culture	0.50	0.50	77
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	84
SYDE	362	Systems Design Methods 2: Testing, Verification, and Validation	0.50	0.50	74
			<u>In GPA</u>	<u>Earned</u>	
Term GPA 77.64 Term Totals			2.75	2.75	
Cumulative GPA 82.82 Cumulative Totals			16.25	19.26	
Academic Standing: Good Standing Effective 05/16/2024					

### Spring 2024

Program: Systems Design Engineering, Honours, Co-operative Program  
Level: 3B Form Of Study: Co-op Work Term

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
COOP	6	Co-operative Work Term	0.50	0.00	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA 0.00 Term Totals			0.50	0.00	
Cumulative GPA 82.82 Cumulative Totals			16.25	19.26	

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**Fall 2024**

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

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
CLAS	104	Classical Mythology			
SCI	206	The Physics of How Things Work			
SYDE	411	Optimization and Numerical Methods			
SYDE	461	Systems Design Capstone Project 1			
SYDE	543	Cognitive Ergonomics			
WKRPT	400	Work-term Report			
<i>Degree Requirement, Not in Average</i>					

### Milestones

<u>Date Completed</u>	<u>Description</u>	<u>Status</u>
11/30/2020	Workplace Hazardous Materials Information System	Completed
12/31/2020	Undergraduate Communication Requirement	Completed
04/30/2021	Work Term 1	Completed
12/31/2021	Work Term 2	Completed
08/31/2022	Work Term 3	Completed
12/31/2022	Work Report 2	Completed
04/30/2023	Work Term 4	Completed
08/31/2023	Work Report 3	Completed
12/31/2023	Work Term 5	Completed
08/31/2024	Work Term 6	Completed

### Scholarships and Awards

2021 University of Waterloo President's Scholarship of Distinction

**End of Undergraduate Unofficial Transcript**