

## Undergraduate Unofficial Transcript

Name: Moogk, Owen  
Student ID: 21006256  
Ontario Education Nbr: 861252310

### Beginning of Undergraduate Record

#### Fall 2022

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

Course	Description	Attempted	Earned	Grade
CHE 102	Chemistry for Engineers	0.50	0.50	97
MATH 115	Linear Algebra for Engineering	0.50	0.50	94
MATH 116	Calculus 1 for Engineering	0.50	0.50	100
MTE 100	Mechatronics Engineering	0.75	0.75	91
MTE 121	Digital Computation	0.50	0.50	97
MTHL 99	First-Year Mathematics Readiness	0.00	0.00	CR
Course Topic: First year readiness				
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	95.36 Term Totals	2.75	2.75	
Cumulative GPA	95.36 Cumulative Totals	2.75	2.75	
Academic Standing: Excellent Standing Effective 01/19/2023				
Term Honours: Term Dean's Honours List				

#### Winter 2023

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

Course	Description	Attempted	Earned	Grade
MATH 118	Calculus 2 for Engineering	0.50	0.50	95
MTE 111	Structure and Properties of Materials	0.50	0.50	91
MTE 119	Statics	0.50	0.50	91
MTE 120	Circuits	0.75	0.75	95
MTE 140	Algorithms and Data Structures	0.50	0.50	96
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	93.73 Term Totals	2.75	2.75	
Cumulative GPA	94.54 Cumulative Totals	5.50	5.50	
Academic Standing: Excellent Standing Effective 05/19/2023				
Term Honours: Term Dean's Honours List				

#### Spring 2023

Program: Mechatronics Engineering, Honours, Co-operative Program  
Level: 1B 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	0.00 Term Totals	1.00	0.50	
Cumulative GPA	94.54 Cumulative Totals	5.50	6.00	

#### Fall 2023

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

Course	Description	Attempted	Earned	Grade
ECON 102	Introduction to Macroeconomics	0.50	0.50	87
MTE 201	Experimental Measurement and Statistical Analysis	0.50	0.50	90
MTE 202	Ordinary Differential Equations	0.50	0.50	94
MTE 219	Mechanics of Deformable Solids	0.50	0.50	95
MTE 262	Introduction to Microprocessors and Digital Logic	0.50	0.50	92
SYDE 182	Physics 2: Dynamics	0.50	0.50	89
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	91.17 Term Totals	3.00	3.00	
Cumulative GPA	93.35 Cumulative Totals	8.50	9.00	
Academic Standing: Excellent Standing Effective 01/18/2024				

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### Winter 2024

Program: Mechatronics 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	2	Co-operative Work Term	0.50	0.00	CR
PD	20	Strategies for Career Success	0.50	0.50	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		0.00 Term Totals	1.00	0.50	
Cumulative GPA		93.35 Cumulative Totals	8.50	9.50	

### Spring 2024

Program: Mechatronics 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>
MTE	203	Advanced Calculus	0.50	0.50	90
MTE	204	Numerical Methods	0.50	0.50	96
MTE	220	Sensors and Instrumentation	0.50	0.50	95
MTE	241	Introduction to Computer Structures and Real-Time Systems	0.50	0.50	87
SYDE	252	Linear Systems and Signals	0.50	0.50	94
WKRPT	100	Work-term Report	0.13	0.13	89
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		92.40 Term Totals	2.63	2.63	
Cumulative GPA		93.14 Cumulative Totals	11.00	12.13	
Academic Standing: Excellent Standing Effective 09/12/2024					
Term Honours: Term Dean's Honours List					

### Fall 2024

Program: Mechatronics 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	3	Co-operative Work Term	0.50	0.00	CR
PD	3	Communication	0.50	0.00	CR
PD	5	Project Management	0.50	0.00	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		0.00 Term Totals	1.50	0.00	
Cumulative GPA		93.14 Cumulative Totals	11.00	12.13	

### Winter 2025

Program: Mechatronics 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>
MTE	309	Introduction to Thermodynamics and Heat Transfer	0.50	0.50	84
MTE	320	Actuators and Power Electronics	0.50	0.50	87
MTE	321	Design and Dynamics of Machines	0.50	0.50	84
MTE	325	Microprocessor Systems and Interfacing for Mechatronics Engineering	0.50	0.50	85
MTE	351	Systems Models 1	0.50	0.50	86
WKRPT	200	Work-term Report	0.13	0.13	65
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		85.20 Term Totals	2.63	2.63	
Cumulative GPA		91.67 Cumulative Totals	13.50	14.76	
Academic Standing: Excellent Standing Effective 05/20/2025					

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#### Spring 2025

**Program:** Mechatronics 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	4	Co-operative Work Term			
PD	10	Professional Responsibility in Computing			

#### Milestones

<u>Date Completed</u>	<u>Description</u>	<u>Status</u>
09/14/2022	Workplace Hazardous Materials Information System	Completed
12/31/2022	Undergraduate Communication Requirement	Completed
08/31/2023	Work Term 1	Completed
04/30/2024	Work Term 2	Completed
12/31/2024	Work Term 3	Completed
04/30/2025	Work Report 2	Completed

#### Scholarships and Awards

2023	University of Waterloo President's Scholarship of Distinction
2025	Douglas T. Wright International Co-op Award
2025	President's International Experience Award

**End of Undergraduate Unofficial Transcript**