Undergraduate Unofficial Transcript

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

Beginning of Undergraduate Record

	Fall 2022			
	Engineering, Honours, Co-operative Program Form Of Study: Enrolment			
Course CHE 102 MATH 115 MATH 116 MTE 100 MTE 121 MTHEL 99 Course Topic: Term GPA Cumulative GPA	Description Chemistry for Engineers Linear Algebra for Engineering Calculus 1 for Engineering Mechatronics Engineering Digital Computation First-Year Mathematics Readiness First year readiness 95.36 Term Totals 95.36 Cumulative Totals	Attempted 0.50 0.50 0.50 0.75 0.50 0.00 In GPA 2.75 2.75	Earned 0.50 0.50 0.50 0.75 0.50 0.00 Earned 2.75 2.75	Grade 97 94 100 91 97 CR
	ellent Standing Effective 01/19/2023 m Dean's Honours List			
	Winter 2023 Engineering, Honours, Co-operative Program Form Of Study: Enrolment			
Course MATH 118 MTE 111 MTE 119 MTE 120 MTE 140 Term GPA Cumulative GPA	Description Calculus 2 for Engineering Structure and Properties of Materials Statics Circuits Algorithms and Data Structures 93.73 Term Totals 94.54 Cumulative Totals	Attempted 0.50 0.50 0.50 0.75 0.50 In GPA 2.75 5.50	Earned 0.50 0.50 0.50 0.75 0.50 Earned 2.75 5.50	<u>Grade</u> 95 91 91 95 96
	ellent Standing Effective 05/19/2023 m Dean's Honours List			
	Spring 2023 Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term			
Course COOP 1 PD 19 Term GPA	Description Co-operative Work Term Tactics for Workplace Success 0.00 Term Totals	Attempted 0.50 0.50 In GPA 1.00	Earned 0.00 0.50 Earned 0.50	<u>Grade</u> CR CR
	94.54 Cumulative Totals Fall 2023 Engineering, Honours, Co-operative Program Form Of Study: Enrolment	5.50	6.00	
Course ECON 102 MTE 201 MTE 202 MTE 219 MTE 262 SYDE 182 Term GPA Cumulative GPA Academic Standing: Exception	Description Introduction to Macroeconomics Experimental Measurement and Statistical Analysis Ordinary Differential Equations Mechanics of Deformable Solids Introduction to Microprocessors and Digital Logic Physics 2: Dynamics 91.17 Term Totals 93.35 Cumulative Totals tellent Standing Effective 01/18/2024	Attempted 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.5	Earned 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.5	Grade 87 90 94 95 92 89

Undergraduate Unofficial Transcript

Name: Moogk, Owen Student ID: 21006256

Ontario Education Nbr: 861252310

Academic Standing: Excellent Standing Effective 05/20/2025

		Winter 2024			
Program: Level:		Engineering, Honours, Co-operative Program 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	Strategies for Career Success	0.50	0.50	CR
		-	<u>In GPA</u>	<u>Earned</u>	
Term GPA	4	0.00 Term Totals	1.00	0.50	
Cumulativ	e GPA	93.35 Cumulative Totals	8.50	9.50	
Program:	Machatronics	Spring 2024 Engineering, Honours, Co-operative Program			
Level:		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	0.50	0.50	87
CVDE	050	Systems	0.50	0.50	0.4
SYDE WKRPT	252 100	Linear Systems and Signals	0.50	0.50	94 89
WKKPI	100	Work-term Report	0.13	0.13	69
		Degree Requirement, Not in Average	In GPA	Earned	
Term GPA	1	92.40 Term Totals	2.63	2.63	
Cumulativ		93.14 Cumulative Totals	11.00	12.13	
		ellent Standing Effective 09/12/2024	11.00	12.10	
Term Hon	•	m Dean's Honours List			
Program: Level:		Fall 2024 Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term			
Program: Level:		Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term	Attempted	Farned	Grade
Program: Level:	2B F	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description	Attempted 0.50	Earned 0.00	<u>Grade</u> CR
Program: Level: Course COOP	2B F	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term	0.50	0.00	CR
Program: Level:	2B F	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term Communication			
Program: Level: Course COOP PD	2B F	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term	0.50 0.50	0.00 0.00	CR CR
Program: Level: Course COOP PD	2B F	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term Communication	0.50 0.50 0.50	0.00 0.00 0.00	CR CR
Program: Level: Course COOP PD PD	2B F 3 3 5	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term Communication Project Management	0.50 0.50 0.50 <u>In GPA</u>	0.00 0.00 0.00 <u>Earned</u>	CR CR
Program: Level: Course COOP PD PD Term GPA Cumulativ	2B F 3 3 5	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term Communication Project Management 0.00 Term Totals 93.14 Cumulative Totals Winter 2025	0.50 0.50 0.50 <u>In GPA</u> 1.50	0.00 0.00 0.00 <u>Earned</u> 0.00	CR CR
Program: Level: COURSE COOP PD PD	2B F 3 3 5 4 e GPA Mechatronics	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term Communication Project Management 0.00 Term Totals 93.14 Cumulative Totals	0.50 0.50 0.50 <u>In GPA</u> 1.50	0.00 0.00 0.00 <u>Earned</u> 0.00	CR CR
Program: Level: Course COOP PD PD Term GPA Cumulativ	2B F 3 3 5 4 e GPA Mechatronics	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term Communication Project Management 0.00 Term Totals 93.14 Cumulative Totals Winter 2025 Engineering, Honours, Co-operative Program	0.50 0.50 0.50 <u>In GPA</u> 1.50	0.00 0.00 0.00 <u>Earned</u> 0.00	CR CR
Program: Level: Course COOP PD PD Term GPA Cumulativ Program: Level:	2B F 3 3 5 A e GPA Mechatronics 3A F	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term Communication Project Management 0.00 Term Totals 93.14 Cumulative Totals Winter 2025 Engineering, Honours, Co-operative Program Form Of Study: Enrolment	0.50 0.50 0.50 In GPA 1.50 11.00	0.00 0.00 0.00 <u>Earned</u> 0.00 12.13	CR CR CR
Program: Level: Course COOP PD PD Term GPA Cumulativ Program: Level: Course MTE MTE	2B F 3 3 5 A e GPA Mechatronics 3A F	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term Communication Project Management 0.00 Term Totals 93.14 Cumulative Totals Winter 2025 Engineering, Honours, Co-operative Program Form Of Study: Enrolment Description	0.50 0.50 0.50 In GPA 1.50 11.00 Attempted 0.50 0.50	0.00 0.00 0.00 Earned 0.00 12.13	CR CR CR Sa 84 87
Program: Level: Course COOP PD PD Term GPA Cumulativ Program: Level: Course MTE MTE MTE	2B F 3 3 5 A 4 6 GPA Mechatronics 3A F 309 320 321	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term Communication Project Management 0.00 Term Totals 93.14 Cumulative Totals Winter 2025 Engineering, Honours, Co-operative Program Form Of Study: Enrolment Description Introduction to Thermodynamics and Heat Transfer	0.50 0.50 0.50 In GPA 1.50 11.00 Attempted 0.50 0.50 0.50	0.00 0.00 0.00 Earned 0.00 12.13	CR CR CR 84 87 84
Program: Level: Course COOP PD PD Term GPA Cumulativ Program: Level: Course MTE MTE	2B F 3 3 5 A e GPA Mechatronics 3A F	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term Communication Project Management 0.00 Term Totals 93.14 Cumulative Totals Winter 2025 Engineering, Honours, Co-operative Program Form Of Study: Enrolment Description Introduction to Thermodynamics and Heat Transfer Actuators and Power Electronics Design and Dynamics of Machines Microprocessor Systems and Interfacing for	0.50 0.50 0.50 In GPA 1.50 11.00 Attempted 0.50 0.50	0.00 0.00 0.00 Earned 0.00 12.13	CR CR CR Sa 84 87
Program: Level: COURSE COOP PD PD Term GPA Cumulativ Program: Level: Course MTE MTE MTE MTE MTE	2B F 3 3 5 4 e GPA Mechatronics 3A F 309 320 321 325	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term Communication Project Management 0.00 Term Totals 93.14 Cumulative Totals Winter 2025 Engineering, Honours, Co-operative Program Form Of Study: Enrolment Description Introduction to Thermodynamics and Heat Transfer Actuators and Power Electronics Design and Dynamics of Machines Microprocessor Systems and Interfacing for Mechatronics Engineering	0.50 0.50 0.50 In GPA 1.50 11.00 Attempted 0.50 0.50 0.50 0.50	0.00 0.00 0.00 Earned 0.00 12.13 Earned 0.50 0.50 0.50 0.50	Grade 84 87 84 85
Program: Level: Course COOP PD PD Term GPA Cumulativ Program: Level: Course MTE MTE MTE MTE MTE	2B F 3 3 5 A e GPA Mechatronics 3A F 309 320 321 325 351	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term Communication Project Management 0.00 Term Totals 93.14 Cumulative Totals Winter 2025 Engineering, Honours, Co-operative Program Form Of Study: Enrolment Description Introduction to Thermodynamics and Heat Transfer Actuators and Power Electronics Design and Dynamics of Machines Microprocessor Systems and Interfacing for Mechatronics Engineering Systems Models 1	0.50 0.50 0.50 In GPA 1.50 11.00 Attempted 0.50 0.50 0.50 0.50	0.00 0.00 0.00 Earned 0.00 12.13 Earned 0.50 0.50 0.50 0.50	CR CR CR S4 84 87 84 85
Program: Level: COURSE COOP PD PD Term GPA Cumulativ Program: Level: Course MTE MTE MTE MTE MTE	2B F 3 3 5 4 e GPA Mechatronics 3A F 309 320 321 325	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term Communication Project Management 0.00 Term Totals 93.14 Cumulative Totals Winter 2025 Engineering, Honours, Co-operative Program Form Of Study: Enrolment Description Introduction to Thermodynamics and Heat Transfer Actuators and Power Electronics Design and Dynamics of Machines Microprocessor Systems and Interfacing for Mechatronics Engineering Systems Models 1 Work-term Report	0.50 0.50 0.50 In GPA 1.50 11.00 Attempted 0.50 0.50 0.50 0.50	0.00 0.00 0.00 Earned 0.00 12.13 Earned 0.50 0.50 0.50 0.50	Grade 84 87 84 85
Program: Level: Course COOP PD PD Term GPA Cumulativ Program: Level: Course MTE MTE MTE MTE MTE	2B F 3 3 5 A e GPA Mechatronics 3A F 309 320 321 325 351	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term Communication Project Management 0.00 Term Totals 93.14 Cumulative Totals Winter 2025 Engineering, Honours, Co-operative Program Form Of Study: Enrolment Description Introduction to Thermodynamics and Heat Transfer Actuators and Power Electronics Design and Dynamics of Machines Microprocessor Systems and Interfacing for Mechatronics Engineering Systems Models 1	0.50 0.50 0.50 In GPA 1.50 11.00 Attempted 0.50 0.50 0.50 0.50 0.50 0.50	0.00 0.00 0.00 Earned 0.00 12.13 Earned 0.50 0.50 0.50 0.50 0.50	CR CR CR S4 84 87 84 85
Program: Level: Course COOP PD PD Term GPA Cumulativ Program: Level: Course MTE MTE MTE MTE MTE WKRPT	2B F 3 3 5 A e GPA Mechatronics 3A F 309 320 321 325 351 200	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term Communication Project Management 0.00 Term Totals 93.14 Cumulative Totals Winter 2025 Engineering, Honours, Co-operative Program Form Of Study: Enrolment Description Introduction to Thermodynamics and Heat Transfer Actuators and Power Electronics Design and Dynamics of Machines Microprocessor Systems and Interfacing for Mechatronics Engineering Systems Models 1 Work-term Report Degree Requirement, Not in Average	0.50 0.50 0.50 In GPA 1.50 11.00 Attempted 0.50 0.50 0.50 0.50 0.13 In GPA	0.00 0.00 0.00 Earned 0.00 12.13 Earned 0.50 0.50 0.50 0.50 0.13	CR CR CR S4 84 87 84 85
Program: Level: Course COOP PD PD Term GPA Cumulativ Program: Level: Course MTE MTE MTE MTE MTE	2B F 3 3 5 A e GPA Mechatronics 3A F 309 320 321 325 351 200	Engineering, Honours, Co-operative Program Form Of Study: Co-op Work Term Description Co-operative Work Term Communication Project Management 0.00 Term Totals 93.14 Cumulative Totals Winter 2025 Engineering, Honours, Co-operative Program Form Of Study: Enrolment Description Introduction to Thermodynamics and Heat Transfer Actuators and Power Electronics Design and Dynamics of Machines Microprocessor Systems and Interfacing for Mechatronics Engineering Systems Models 1 Work-term Report	0.50 0.50 0.50 In GPA 1.50 11.00 Attempted 0.50 0.50 0.50 0.50 0.50 0.50	0.00 0.00 0.00 Earned 0.00 12.13 Earned 0.50 0.50 0.50 0.50 0.50	CR CR CR S4 84 87 84 85

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

Undergraduate Unofficial Transcript

Name: Moogk, Owen Student ID: 21006256

Ontario Education Nbr: 861252310

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>	Earned	<u>Grade</u>
COOP	4	Co-operative Work Term			

COOP 4 Co-operative Work Term
PD 10 Professional Responsibility in Computing

Milestones

Date Completed	<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