

## UNIVERSITY OF WATERLOO UNDERGRADUATE UNOFFICIAL TRANSCRIPT

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Date Produced: Sep 16, 2017

Ontario Education Nbr: 602700163

Fall 2017 3B Full-Time

Program: Mechatronics Engineering, Honours, Co-operative Program

		<i>Units</i>					
<i>Course</i>	<i>Description</i>	<i>Attempt/Earn</i>	<i>Grade</i>	<i>Credit</i>	<i>InGPA</i>	<i>Desig</i>	<i>DesGrd</i>
KOREA 101R	First-Year Korean 1	0.50/0.00					
ME 351	Fluid Mechanics 1	0.50/0.00					
MSCI 261	Engineering Economics:	0.50/0.00					
	Financial Management for						
	Engineers						
MTE 322	Electromechanical	0.50/0.00					
	Machine Design						
MTE 360	Automatic Control Systems	0.50/0.00					
MTE 380	Mechatronics Engineering	0.50/0.00					
	Design Workshop						
WKRPT 300	Work-term Report	0.13/0.00				DRNA	

Term summary statistics available on Jan 19, 2018

**Spring 2017      3A      Part-Time****Co-op Work**

Program: Mechatronics Engineering, Honours, Co-operative Program

<i>Units</i>							
<i>Course</i>	<i>Description</i>	<i>Attempt/Earn</i>	<i>Grade</i>	<i>Credit</i>	<i>InGPA</i>	<i>Desig</i>	<i>DesGrd</i>
COOP 4	Co-operative Work Term		CR	N	N		
PD 8	Intercultural Skills	0.50/0.50	CR	Y	N		

Term summary statistics available on Sep 22, 2017

**Winter 2017      3A      Full-Time**

Program: Mechatronics Engineering, Honours, Co-operative Program

<i>Units</i>							
<i>Course</i>	<i>Description</i>	<i>Attempt/Earn</i>	<i>Grade</i>	<i>Credit</i>	<i>InGPA</i>	<i>Desig</i>	<i>DesGrd</i>
ME 321	Kinematics and Dynamics of Machines	0.50/0.50	94	Y	Y		
MTE 309	Introduction to Thermodynamics and Heat Transfer	0.50/0.50	95	Y	Y		
MTE 320	Actuators & Power Electronics	0.50/0.50	92	Y	Y		
MTE 325	Microprocessor Systems and Interfacing for	0.50/0.50	95	Y	Y		

## Mechatronics Engineering

SYDE 351      Systems Models 1                      0.50/0.50      86              Y              Y

Term Avg	92.40	Term Units In Avg	2.50	Term Units Earned	2.50
Cumulative Avg	91.37	Total Units In Avg	13.50	Total Units Earned	15.13
Total Units Taken	13.50	Total Units Passed	13.50		
		Total Transfer Units	0.00		

**Academic Standing:**              **Excellent standing**

**Honours:**                      **Term Dean's Honours List**

**Fall 2016              2B      Part-Time**

**Co-op Work**

Program: Mechatronics Engineering, Honours, Co-operative Program

*Units*

<i>Course</i>	<i>Description</i>	<i>Attempt/Earn</i>	<i>Grade</i>	<i>Credit</i>	<i>InGPA</i>	<i>Desig</i>	<i>DesGrd</i>
COOP 3	Co-operative Work Term		CR	N	N		
PD 5	Project Management	0.50/0.50	CR	Y	N		

Term Avg	0.00	Term Units In Avg	0.00	Term Units Earned	0.50
Cumulative Avg	91.14	Total Units In Avg	11.00	Total Units Earned	12.63
Total Units Taken	11.00	Total Units Passed	11.00		
		Total Transfer Units	0.00		

**Spring 2016      2B      Full-Time**

Program: Mechatronics Engineering, Honours, Co-operative Program

		<i>Units</i>					
<i>Course</i>	<i>Description</i>	<i>Attempt/Earn</i>	<i>Grade</i>	<i>Credit</i>	<i>InGPA</i>	<i>Desig</i>	<i>DesGrd</i>
MTE 203	Advanced Calculus	0.50/0.50	97	Y	Y		
MTE 204	Numerical Methods	0.50/0.50	89	Y	Y		
MTE 220	Sensors and Instrumentation	0.50/0.50	82	Y	Y		
MTE 241	Introduction to Computer Structures & Real-Time Systems	0.50/0.50	97	Y	Y		
SYDE 252	Linear Systems and Signals	0.50/0.50	80	Y	Y		
WKRPT 200	Work-term Report	0.13/0.13	75	Y	N	DRNA	
Term Avg	89.00	Term Units In Avg	2.50	Term Units Earned			2.63
Cumulative Avg	91.14	Total Units In Avg	11.00	Total Units Earned			12.13
Total Units Taken	11.00	Total Units Passed	11.00				
		Total Transfer Units	0.00				

**Academic Standing:      Excellent standing****Winter 2016      2A      Part-Time****Co-op Work**

Program: Mechatronics Engineering, Honours, Co-operative Program

<i>Units</i>							
<i>Course</i>	<i>Description</i>	<i>Attempt/Earn</i>	<i>Grade</i>	<i>Credit</i>	<i>InGPA</i>	<i>Desig</i>	<i>DesGrd</i>
COOP 2	Co-operative Work Term		CR	N	N		
PD 21	Engineering Workplace Skills II: Developing Effective Plans	0.50/0.50	CR	Y	N		
Term Avg	0.00	Term Units In Avg	0.00	Term Units Earned			0.50
Cumulative Avg	91.77	Total Units In Avg	8.50	Total Units Earned			9.50
Total Units Taken	8.50	Total Units Passed	8.50				
		Total Transfer Units	0.00				

**Fall 2015      2A      Full-Time**

Program: Mechatronics Engineering, Honours, Co-operative Program

<i>Units</i>							
<i>Course</i>	<i>Description</i>	<i>Attempt/Earn</i>	<i>Grade</i>	<i>Credit</i>	<i>InGPA</i>	<i>Desig</i>	<i>DesGrd</i>
INTST 101	Introduction to International Studies	0.50/0.50	89	Y	Y		
MTE 201	Experimental Measurement & Statistical Analysis	0.50/0.50	92	Y	Y		
MTE 202	Ordinary Differential Equations	0.50/0.50	87	Y	Y		
MTE 219	Mechanics of Deformable Solids	0.50/0.50	93	Y	Y		



**Winter 2015      1B      Full-Time**

Program: Mechatronics Engineering, Honours, Co-operative Program

		<i>Units</i>					
<i>Course</i>	<i>Description</i>	<i>Attempt/Earn</i>	<i>Grade</i>	<i>Credit</i>	<i>InGPA</i>	<i>Desig</i>	<i>DesGrd</i>
MATH 118	Calculus 2 for Engineering	0.50/0.50	90	Y	Y		
MTE 111	Structure and Properties of Materials	0.50/0.50	94	Y	Y		
MTE 119	Statics	0.50/0.50	100	Y	Y		
MTE 120	Circuits	0.75/0.75	89	Y	Y		
MTE 140	Algorithms and Data Structures	0.50/0.50	95	Y	Y		
Term Avg	93.18	Term Units In Avg	2.75	Term Units Earned	2.75		
Cumulative Avg	91.46	Total Units In Avg	5.50	Total Units Earned	5.50		
Total Units Taken	5.50	Total Units Passed	5.50				
		Total Transfer Units	0.00				

**Academic Standing:          Excellent standing****Honours:                      Term Dean's Honours List**

**Fall 2014      1A      Full-Time**

Program: Mechatronics Engineering, Honours, Co-operative Program

		<i>Units</i>					
<i>Course</i>	<i>Description</i>	<i>Attempt/Earn</i>	<i>Grade</i>	<i>Credit</i>	<i>InGPA</i>	<i>Desig</i>	<i>DesGrd</i>
CHE 102	Chemistry for Engineers	0.50/0.50	95	Y	Y		
GENE 121	Digital Computation	0.50/0.50	88	Y	Y		
MATH 115	Linear Algebra for Engineering	0.50/0.50	90	Y	Y		
MATH 116	Calculus 1 for Engineering	0.50/0.50	93	Y	Y		
MTE 100	Mechatronics Engineering	0.75/0.75	85	Y	Y		
Term Avg	89.73	Term Units In Avg	2.75	Term Units Earned			2.75
Cumulative Avg	89.73	Total Units In Avg	2.75	Total Units Earned			2.75
Total Units Taken	2.75	Total Units Passed	2.75				
		Total Transfer Units	0.00				

**Academic Standing:      Excellent standing****Honours:      Term Dean's Honours List****Non-Course Milestones**

English Proficiency	Completed	March 26, 2015
Work Report 2	Completed	August 30, 2016
Work Term 1	Completed	August 30, 2015
Work Term 2	Completed	April 30, 2016
Work Term 3	Completed	December 30, 2016



Work Term 4	Completed	August 30, 2017
Workplace Hazardous Materials	Completed	September 17, 2014

**Scholarships & Awards**

2014-2015	University of Waterloo President's Scholarship
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