

### Undergraduate Unofficial Transcript

Name: **Rouso, David**  
 Student ID: **20565731**  
 Ontario Education Nbr: **733701320**

#### Degrees Awarded

Degree: Bachelor of Applied Science  
 Confer Date: 06/15/2019  
 Degree Honours: With Distinction  
 Degree Honours: Dean's Honours List  
 Nanotechnology Engineering, Honours, Co-operative Program

#### Beginning of Undergraduate Record

##### Fall 2014

Program: Nanotechnology Engineering, Honours, Co-operative Program  
 Level: 1A Load: Full-Time Form Of Study: Enrolment

Course	Description	Attempted	Earned	Grade
MATH 117	Calculus 1 for Engineering	0.50	0.50	96
NE 100	Introduction to Nanotechnology Engineering	0.50	0.50	100
NE 111	Introduction to Engineering Computing	0.25	0.25	100
NE 112	Linear Algebra for Nanotechnology Engineers	0.50	0.50	100
NE 115	Probability and Statistics	0.50	0.50	95
NE 121	Chemical Principles	0.50	0.50	100
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	98.36 Term Totals	2.75	2.75	
Cumulative GPA	98.36 Cumulative Totals	2.75	2.75	
Academic Standing:	Excellent standing Effective 12/31/2014			
Term Honours:	Term Dean's Honours List			

##### Winter 2015

Program: Nanotechnology Engineering, Honours, Co-operative Program  
 Level: 1B Load: Full-Time Form Of Study: Enrolment

Course	Description	Attempted	Earned	Grade
MATH 119	Calculus 2 for Engineering	0.50	0.50	100
NE 102	Introduction to Nanomaterials Health Risk; Nanotechnology Engineering Practice <i>Degree Requirement, Not in Fail Count</i>	0.15	0.15	CR
NE 113	Introduction to Computational Methods	0.50	0.50	99
NE 122	Organic Chemistry for Nanotechnology Engineers	0.50	0.50	93
NE 125	Introduction to Materials Science and Engineering	0.50	0.50	96
NE 131	Physics for Nanotechnology Engineering	0.50	0.50	100
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	97.60 Term Totals	2.65	2.65	
Cumulative GPA	98.00 Cumulative Totals	5.25	5.40	
Academic Standing:	Excellent standing Effective 04/30/2015			
Term Honours:	Term Dean's Honours List			

##### Spring 2015

Program: Nanotechnology Engineering, Honours, Co-operative Program  
 Level: 1B Load: Part-Time 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
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	0.00 Term Totals	1.00	0.50	
Cumulative GPA	98.00 Cumulative Totals	5.25	5.90	

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#### Fall 2015

Program: Nanotechnology Engineering, Honours, Co-operative Program  
Level: 2A Load: Full-Time Form Of Study: Enrolment

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
NE	201	Nanotoxicology; Nanotechnology Engineering Practice <i>Degree Requirement, Not in Avg, Not in Fail Count</i>	0.15	0.15	CR
NE	216	Advanced Calculus 1 for Nanotechnology Engineering	0.50	0.50	96
NE	220L	Materials Science and Engineering Laboratory	0.25	0.25	94
NE	224	Biochemistry for Nanotechnology Engineers	0.50	0.50	95
NE	232	Quantum Mechanics	0.50	0.50	100
NE	241	Electromagnetism	0.50	0.50	100
STV	100	Society, Technology and Values: Introduction	0.50	0.50	89
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		95.82 Term Totals	2.90	2.90	
Cumulative GPA		97.25 Cumulative Totals	8.00	8.80	
Academic Standing: Excellent standing Effective 12/31/2015					
Term Honours: Term Dean's Honours List					

#### Winter 2016

Program: Nanotechnology Engineering, Honours, Co-operative Program  
Level: 2A Load: Part-Time 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	21	Engineering Workplace Skills II: Developing Effective Plans	0.50	0.50	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		0.00 Term Totals	1.00	0.50	
Cumulative GPA		97.25 Cumulative Totals	8.00	9.30	

#### Spring 2016

Program: Nanotechnology Engineering, Honours, Co-operative Program  
Level: 2B Load: Full-Time Form Of Study: Enrolment

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
MSCI	261	Engineering Economics: Financial Management for Engineers	0.50	0.50	97
NE	202	Nanotechnology Environmental and Occupational Health; Nanotechnology Engineering Practice <i>Degree Requirement, Not in Avg, Not in Fail Count</i>	0.15	0.15	CR
NE	217	Advanced Calculus 2 for Nanotechnology Engineering	0.50	0.50	99
NE	225	Structure and Properties of Nanomaterials	0.50	0.50	97
NE	226	Characterization of Materials	0.50	0.50	94
NE	226L	Laboratory Characterization Methods	0.25	0.25	93
NE	242	Semiconductor Physics and Devices	0.50	0.50	96
WKRPT	200	Work-term Report <i>Degree Requirement, Not in Average</i>	0.13	0.13	75
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		96.27 Term Totals	3.03	3.03	
Cumulative GPA		97.00 Cumulative Totals	10.75	12.33	
Academic Standing: Excellent standing Effective 08/31/2016					
Term Honours: Term Dean's Honours List					

#### Fall 2016

Program: Nanotechnology Engineering, Honours, Co-operative Program  
Level: 2B Load: Part-Time 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	5	Project Management	0.50	0.50	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		0.00 Term Totals	1.00	0.50	
Cumulative GPA		97.00 Cumulative Totals	10.75	12.83	

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#### Winter 2017

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 Level: 2B Load: Part-Time 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	8	Intercultural Skills	0.50	0.50	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		0.00 Term Totals	1.00	0.50	
Cumulative GPA		97.00 Cumulative Totals	10.75	13.33	

#### Spring 2017

Program: Nanotechnology Engineering, Honours, Co-operative Program  
 Level: 3A Load: Full-Time Form Of Study: Enrolment

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
CLAS	104	Classical Mythology	0.50	0.50	98
NE	301	Nanomaterials and Human Risks, Benefits; Nanotechnology Engineering Practice	0.15	0.15	CR
		<i>Degree Requirement, Not in Avg, Not in Fail Count</i>			
NE	318	Continuum Mechanics for Nanotechnology Engineering	0.50	0.50	99
NE	320L	Characterization of Materials Laboratory	0.25	0.25	79
NE	333	Macromolecular Science	0.50	0.50	97
NE	334	Statistical Thermodynamics	0.50	0.50	100
NE	343	Microfabrication and Thin-film Technology	0.50	0.50	100
NE	344	Electronic Circuits and Integration	0.50	0.50	100
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		97.46 Term Totals	3.40	3.40	
Cumulative GPA		97.11 Cumulative Totals	14.00	16.73	
Academic Standing:	Excellent standing Effective 08/31/2017				
Term Honours:	Term Dean's Honours List				

#### Fall 2017

Program: Nanotechnology Engineering, Honours, Co-operative Program  
 Level: 3B Load: Full-Time Form Of Study: Study Abroad

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>
GENE	22D	Topics for List D Complementary Studies Courses	0.50	0.50	CR
		Taken on Exchange by Engineering Students			
Course Topic:		Judgement and Decision Making			
NE	307	Introduction to Nanosystems Design	0.25	0.25	CR
NE	336	Micro and Nanosystem Computer-aided Design	0.50	0.50	CR
NE	345	Photonic Materials and Devices	0.50	0.50	CR
NE	353	Nanoprobng and Lithography	0.50	0.50	CR
NE	469	Special Topics in Micro and Nano-instrumentation	0.50	0.50	CR
WKRPT	300	Work-term Report	0.13	0.13	75
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		0.00 Term Totals	2.88	2.88	
Cumulative GPA		97.11 Cumulative Totals	14.00	19.61	
Academic Standing:	Decision not applicable Effective 01/10/2018				
	<i>Courses taken on exchange at Hong Kong University of Science and Technology.</i>				

#### Winter 2018

Program: Nanotechnology Engineering, Honours, Co-operative Program  
 Level: 3B Load: Part-Time 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	6	Problem Solving	0.50	0.50	CR
			<u>In GPA</u>	<u>Earned</u>	
Term GPA		0.00 Term Totals	1.00	0.50	
Cumulative GPA		97.11 Cumulative Totals	14.00	20.11	

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#### Fall 2018

Program: Nanotechnology Engineering, Honours, Co-operative Program  
Level: 4A Load: Full-Time Form Of Study: Enrolment

Course	Description	Attempted	Earned	Grade
ECE 484	Digital Control Applications	0.50	0.50	96
INTST 101	Introduction to International Studies	0.50	0.50	90
NE 330L	Macromolecular Science Laboratory	0.25	0.25	90
	<i>Degree Requirement, Not in Average</i>			
NE 340L	Microfabrication and Thin-film Technology Laboratory	0.25	0.25	88
	<i>Degree Requirement, Not in Average</i>			
NE 408	Nanosystems Design Project	0.50	0.50	92
NE 451	Simulation Methods	0.50	0.50	95
NE 454A	Nano-instrumentation Laboratory 1	0.25	0.25	90
NE 454B	Nano-electronics Laboratory 1	0.25	0.25	99
NE 471	Nano-electronics	0.50	0.50	100
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	94.58 Term Totals	3.50	3.50	
Cumulative GPA	96.66 Cumulative Totals	17.00	23.61	
Academic Standing:	Excellent standing Effective 01/18/2019			
Term Honours:	Term Dean's Honours List			

#### Winter 2019

Program: Nanotechnology Engineering, Honours, Co-operative Program  
Level: 4B Load: Full-Time Form Of Study: Enrolment

Course	Description	Attempted	Earned	Grade
ECE 677	Quantum Electronics and Photonics	0.50	0.50	93
MUSIC 140	Popular Music and Culture	0.50	0.50	97
NE 409	Nanosystems Design Project and Symposium	0.50	0.50	95
NE 455A	Nano-instrumentation Laboratory 2	0.25	0.25	91
NE 455B	Nano-electronics Laboratory 2	0.25	0.25	95
NE 469	Special Topics in Micro and Nano-instrumentation	0.50	0.50	91
Course Topic:	Tactile Sensors			
SYDE 372	Introduction to Pattern Recognition	0.50	0.50	100
WKRPT 400	Work-term Report	0.13	0.13	75
		<u>In GPA</u>	<u>Earned</u>	
Term GPA	94.83 Term Totals	3.13	3.13	
Cumulative GPA	96.39 Cumulative Totals	20.00	26.74	
Academic Standing:	Excellent standing Effective 05/22/2019			
Term Honours:	Term Dean's Honours List Governor General's Academic Medal Sandford Fleming Fdn Academic Achievement Award			

#### Milestones

Date Completed	Description	Status
01/23/2015	English Proficiency	Completed
08/30/2015	Work Term 1	Completed
04/30/2016	Work Term 2	Completed
08/30/2016	Work Report 2	Completed
12/30/2016	Work Term 3	Completed
04/30/2017	Work Term 4	Completed
12/30/2017	Work Report 3	Completed
04/30/2018	Work Term 5	Completed
10/02/2018	Workplace Hazardous Materials	Completed
04/30/2019	Work Report 4	Completed

#### Scholarships and Awards

2015	University of Waterloo President's Scholarship of Distinction
2016	President's International Experience Award
2016	David Johnston International Experience Award
2016	First in Class Engineering Scholarship
2017	President's International Experience Award
2017	University of Waterloo 50th Anniversary Scholarship
2018	J.R. Coutts International Experience Award

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2018	First in Class Engineering Scholarship
2018	Ontario Professional Engineers Foundation Undergraduate Scholarship
2019	Nanotechnology Engineering Design Symposium Award
2019	First in Class Engineering Scholarship

**End of Undergraduate Unofficial Transcript**