

**Carleton**  
**UNIVERSITY**

1125 Colonel By Drive,  
Ottawa, ON Canada K1S 5B6  
carleton.ca

# Official Transcript

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SUZANNE BLANCHARD  
UNIVERSITY REGISTRAR

**Joynes, Ian**

02-MAR

100680431

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Department and Course Title	Course Number	Credit Value	Grade	Point	Comments
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Fall 2005 (September-December)  
BACHELOR OF ENGINEERING (MECHANICAL) CO-OPERATIVE EDUCATION  
Engrin.: Mechanics I ECOR 1101 0.50 A+ 6.00  
Engrin.: Introduction to Engineering ECOR 1010 0.50 A 5.50  
Math/Stats: Calculus (Eng.) MATH 1004 0.50 A+ 6.00  
Sociology: Introduction to Sociology SOCI 1001 0.50 B+ 4.50  
Chem.: Chemistry for Engineers CHEM 1101 0.50 A- 5.00

Winter 2006 (January-April)  
BACHELOR OF ENGINEERING (MECHANICAL) CO-OPERATIVE EDUCATION  
Language Stud.: Communication Skills ALSS 1000 0.50 B 4.00  
Engrin.: Problem Solving and Computers ECOR 1606 0.50 A+ 6.00  
Math/Stats: Diff. Eqs. & Series (Eng.) MATH 1005 0.50 A+ 6.00  
Phys.: Electromagnetism & Wave Motion PHYS 1004 0.50 A- 5.00  
Math/Stats: Linear Algebra I (Eng./C) MATH 1104 0.50 A+ 6.00

Good Standing

Fall 2006 (September-December)  
BACHELOR OF ENGINEERING (MECHANICAL) CO-OPERATIVE EDUCATION  
Mech/Aero: Engineering Dynamics MAAE 2101 0.50 A 5.50  
Geo./Env.St.: People, Places & Environment GEOG 1020 0.50 B+ 4.50  
Mech/Aero: Mechanics of Solids I MAAE 2202 0.50 A+ 6.00  
Mech/Aero: Thermodynamics & Heat Transfer MAAE 2400 0.50 B+ 4.50  
Math/Stats: Multivariable Calc. Eng. or MATH 2004 0.50 A+ 6.00

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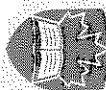
Winter 2007 (January-April)  
BACHELOR OF ENGINEERING (MECHANICAL) CO-OPERATIVE EDUCATION  
Mech/Aero: Engineering Graphical Des. MAAE 2001 0.50 A+ 6.00  
Math/Stats: Mathematical Methods I MATH 3705 0.50 A 5.50  
Engrin.: Numerical Methods ECOR 2606 0.50 A+ 6.00  
Mech/Aero: Fluid Mechanics I MAAE 2300 0.50 B 4.00  
Mech/Aero: Engineering Materials MAAE 2700 0.50 A- 5.00

Good Standing

Fall 2007 (September-December)  
BACHELOR OF ENGINEERING (MECHANICAL) CO-OPERATIVE EDUCATION  
Mech/Aero: Dynamics of Machinery MAAE 3004 0.50 B+ 4.50  
Mech/Aero: Mechanics of Solids II MAAE 3202 0.50 A- 5.00  
Mech/Aero: Fluid Mechanics II MAAE 3300 0.50 A+ 6.00  
Mech/Aero: Mech. & Aero Engineering I MAAE 3901 0.50 B 4.00  
Elect.: Electrical Engineering ELEC 3605 0.50 A- 5.00

Winter 2008 (January-April)  
BACHELOR OF ENGINEERING (MECHANICAL) CO-OPERATIVE EDUCATION  
Mechanical: Machine Design and Fract. MECH 3002 0.50 A- 5.00  
Mechanical: Principles of Manufacture MECH 3700 0.50 A 5.50  
Statistics: Probability and Statistics STAT 3502 0.50 B+ 4.50  
Mech/Aero: Applied Thermodynamics MAAE 3400 0.50 A 5.50  
SysComp: Eng. Systems and Simulation SYSC 3600 0.50 A+ 6.00

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Fall 2008 (September-December)					
BACHELOR OF ENGINEERING (MECHANICAL)	CO-OPERATIVE EDUCATION				
Mechanical: Engineering Project	MECH 4907	0.00	C/N		
Mechanical: Finite Element Methods	MECH 4604	0.50	A+	6.00	
Mech/Aero: Materials: Strength & Fract	MAAE 4102	0.50	B+	4.50	
Mechanical: Heat Transfer	MECH 4406	0.50	A-	5.00	
Mech/Aero: Feedback Control Systems	MAAE 4500	0.50	A-	5.00	
Mechanical: Mechanical Systems Design	MECH 4003	0.50	A-	5.00	

Winter 2009 (January-April)					
BACHELOR OF ENGINEERING (MECHANICAL)					
Aerospace: Computational Fluid Dynam	AERO 4304	0.50	A	5.50	
Engin.: Engineering Economics	ECOR 3800	0.50	A-	5.50	
Mechanical: Vibration Analysis	MECH 4104	0.50	A	5.50	
Mechanical: Mechatronics	MECH 4806	0.50	A-	5.00	
Engin.: Professional Practice	ECOR 4995	0.50	B-	3.50	
Mechanical: Engineering Project	MECH 4907	1.00	A-	10.00	

**Bachelor of Engineering (Mechanical)**  
With High Distinction  
Conferred May, 2009

Fall 2009 (September-December)					
MASTER OF APPLIED SCIENCE (MECHANICAL)					
Mechanical: Spec Topics in Mech & Aer	MECH 5809	0.50	B+	4.50	
Mechanical: Fundamentals of Fluid Dyn	MECH 5000	0.50	A-	5.00	
Mech/Stats: Numerical Analysis	MATH 5806	0.50	B	4.00	

Winter 2010 (January-April)					
MASTER OF APPLIED SCIENCE (MECHANICAL)					
Mech/Aero: Nuclear Engineering	MAAE 4906	0.50	A	5.50	
Mechanical: Computational Fluid Dynar	MECH 5304	0.50	A+	6.00	
Mechanical: Finite Element Analysis	MECH 5605	0.50	A+	6.00	

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Summer 2010 (May-August)					
MASTER OF APPLIED SCIENCE (MECHANICAL)					
Mechanical: M.A.Sc. Thesis	MECH 5909	0.00	INP		

Fall 2010 (September-December)					
MASTER OF APPLIED SCIENCE (MECHANICAL)					
Mechanical: M.A.Sc. Thesis	MECH 5909	0.00	INP		

Winter 2011 (January-April)					
MASTER OF APPLIED SCIENCE (MECHANICAL)					
Mechanical: M.A.Sc. Thesis	MECH 5909	0.00	INP		

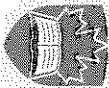
Summer 2011 (May-August)					
MASTER OF APPLIED SCIENCE (MECHANICAL)					
Mechanical: M.A.Sc. Thesis	MECH 5909	0.00	INP		

Fall 2011 (September-December)					
MASTER OF APPLIED SCIENCE (MECHANICAL)					
Mechanical: M.A.Sc. Thesis	MECH 5909	0.00	INP		

Winter 2012 (January-April)					
MASTER OF APPLIED SCIENCE (MECHANICAL)					
Mechanical: M.A.Sc. Thesis	MECH 5909	0.00	INP		

Fall 2013 (September-December)					
MASTER OF APPLIED SCIENCE (MECHANICAL)					
Mechanical: M.A.Sc. Thesis	MECH 5909	2.50	SAT		

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### Thesis Titles

2013 Proof-of-Concept Inverse Micro-Scale Dispersion Modelling  
for Fugitive Emissions Quantification in Industrial  
Facilities

### Student Scholarships

2005 Carleton University Entrance Scholarship  
2006 Clarence C. Gibson Scholarship  
2006 Deans' Honour List  
2007 J. Lorne Gray Scholarship  
2007 Deans' Honour List  
2008 A. Davidson Dunton Scholarship  
2008 Deans' Honour List  
2009 Deans' Honour List  
2010 Graduate Scholarship  
2011 Graduate Scholarship

\*\*\*\*\* End of transcript \*\*\*\*\*

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