



YUAN-SHUO KELVIN HSU  
SID 311215068

OFFICIAL ACADEMIC RECORD

**AWARDS**

Bachelor of Engineering (Mechatronic Engineering) (Space)  
Stream: Bachelor of Engineering (Mechatronic (Space)) and Bachelor of Science (Advanced Mathematics)  
Conferred on 29 April 2016 Final result: Honours Class I and the University Medal

Bachelor of Science (Advanced Mathematics)  
Stream: Bachelor of Engineering (Mechatronic (Space)) and Bachelor of Science (Advanced Mathematics)  
Major: Mathematics and Financial Mathematics and Statistics  
Conferred on 29 April 2016 Final result: Pass

**COURSE HISTORY**

**Details of Bachelor of Engineering and Bachelor of Commerce**

**2011 Bachelor of Engineering and Bachelor of Commerce**

		Grade	Marks	Units
Semester 1				
ECOF1003	Understanding Business	CR	71.0	6.0
ELEC1103	Fundamentals of Elec and Electronic Eng	HD	96.0	6.0
MATH1902	Linear Algebra (Advanced)	HD	92.0	3.0
MATH1906	Mathematics (Special Studies Program) A	HD	94.0	3.0
MTRX1701	Mechatronics Engineering Introductory	HD	92.0	6.0
Semester 2				
AMME1550	Dynamics 1	HD	93.0	6.0
ECOF1004	The Business Environment	CR	65.0	6.0
ENGG1061	Advanced Engineering 1A	HD	87.0	6.0
ENGG1802	Engineering Mechanics	HD	98.0	6.0
MATH1903	Integral Calculus and Modelling Advanced	HD	91.0	3.0
MATH1905	Statistics (Advanced)	DI	82.0	3.0
		Course total	54.0	

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Details of Bachelor of Engineering and Bachelor of Science

Credit from other studies

		Grade	Marks	Units
The University of Sydney				
AMME1550	Dynamics 1		6.0	
ECOF1003	Understanding Business		6.0	
ECOF1004	The Business Environment		6.0	
ELEC1103	Fundamentals of Elec and Electronic Eng		6.0	
ENGG1061	Advanced Engineering 1A		6.0	
ENGG1802	Engineering Mechanics		6.0	
MATH1902	Linear Algebra (Advanced)		3.0	
MATH1903	Integral Calculus and Modelling Advanced		3.0	
MATH1905	Statistics (Advanced)		3.0	
MATH1906	Mathematics (Special Studies Program) A		3.0	
MTRX1701	Mechatronic Engineering Introductory		6.0	
		Credit total	54.0	

2012 Bachelor of Engineering and Bachelor of Science

		Grade	Marks	Units
Semester 1				
AMME2302	Materials 1	HD	85.0	6.0
AMME2500	Engineering Dynamics	DI	83.0	6.0
ENGG1801	Engineering Computing	HD	98.0	6.0
MATH2916	Working Seminar A (SSP)	HD	93.0	3.0
MATH2961	Linear Mathematics and Vector Calculus Adv	HD	91.0	6.0
Semester 2				
ELEC2104	Electronic Devices and Circuits	HD	96.0	6.0
MATH2965	Partial Differential Equations Intro Adv	HD	95.0	6.0
MATH2970	Optimisation and Financial Mathematics Adv	HD	87.0	6.0
MTRX1702	Mechatronics 1	HD	90.0	6.0

2013 Bachelor of Engineering and Bachelor of Science

Admitted by the Dean to the Talented Student Program

		Grade	Marks	Units
Semester 1				
ELEC3404	Electronic Circuit Design	HD	96.0	6.0
MATH3963	Differential Equations and Biomaths (Adv)	HD	91.0	6.0
MTRX2700	Mechatronics 2	DI	79.0	6.0
STAT2911	Probability and Statistical Models (Adv)	HD	92.0	6.0
Semester 2				
AERO2705	Space Engineering 1	DI	84.0	6.0
AMME2301	Mechanics of Solids	HD	91.0	6.0
ENGG3062	Technology Education (Advanced)	HD	90.0	6.0
MATH3978	PDEs and Waves (Advanced)	HD	100.0	6.0
STAT2912	Statistical Tests (Advanced)	HD	89.0	6.0

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**2014 Bachelor of Engineering and Bachelor of Science**  
Admitted by the Dean to the Talented Student Program

		Grade	Marks	Units
Semester 1				
	AMME3500	System Dynamics and Control	HD	91.0
	ENGG4000	Practical Experience	SR	0.0
	MECH3660	Manufacturing Engineering	DI	83.0
	SCTP3925	TSP Showcase Project Leader Physics	HD	93.0
	STAT3911	Stochastic Processes and Time Series Adv	HD	93.0
	STAT3912	Applied Linear Models (Advanced)	DI	79.0
Semester 2				
	AERO3760	Space Engineering 2	DI	84.0
	ENGG4064	Advanced Engineering Design A	HD	90.0
	MATH3977	Lagrangian and Hamiltonian Dynamics (Adv)	HD	87.0
	MTRX3700	Mechatronics 3	HD	86.0

**2015 Bachelor of Engineering and Bachelor of Science**  
Admitted by the Dean to the Talented Student Program

		Grade	Marks	Units
Semester 1				
	AERO4701	Space Engineering 3	HD	91.0
	AMME4111	Thesis A	HD	88.0
	AMME5520	Advanced Control and Optimisation	HD	97.0
	MECH4601	Professional Engineering 2	DI	82.0
Semester 2				
	AMME4112	Thesis B	HD	88.0
	MATH3969	Measure Theory and Fourier Analysis (Adv)	HD	92.0
	MATH3975	Financial Mathematics (Advanced)	HD	86.0
	STAT3013	Statistical Inference	HD	97.0
			Course total	258.0

**Details of Doctor of Philosophy**

Department: Information Technologies  
Thesis title: Informative Field Exploration

**2016 Doctor of Philosophy**

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OFFICIAL ACADEMIC RECORD

**PRIJES AND SCHOLARSHIPS BASED ON ACADEMIC RESULTS**

**ACADEMIC PRIZES**

**2011 Bachelor of Engineering and Bachelor of Commerce**

Awarded the Dean's List of Excellence in Academic Performance and  
Awarded the University of Sydney Academic Merit Prize

**2012 Bachelor of Engineering and Bachelor of Science**

Awarded the Dean's List of Excellence in Academic Performance and  
Awarded the University of Sydney Academic Merit Prize

**2013 Bachelor of Engineering and Bachelor of Science**

Awarded the Dean's List of Excellence in Academic Performance and  
Awarded the University of Sydney Academic Merit Prize

**2014 Bachelor of Engineering and Bachelor of Science**

Awarded the Dean's List of Excellence in Academic Performance and  
Awarded the University of Sydney Academic Merit Prize

**2015 Bachelor of Engineering and Bachelor of Science**

Awarded the Dean's List of Excellence in Academic Performance and  
Awarded the University of Sydney Academic Merit Prize

Professor Tyrone M Carlin

Deputy Vice-Chancellor (Registrar)

29 April 2016

*Entries below this line are invalid.*



<b>GRADING</b>		
85 and over		HIGH DISTINCTION
75 to 84		DISTINCTION
65 to 74		CREDIT
50 to 64		PASS
<b>FLEXSIS</b>		
<b>CODE</b>	<b>SYDNEY STUDENT CODE</b>	<b>RESULT CODE DESCRIPTION</b>
A	PX	PASS (A, B, C SCALE)
AF	AF	ABSENT - FAIL
AX	AX	ABSENT - FAIL, SUPPLEMENTARY EXAMINATION AWARDED
B	PY	PASS (A, B, C SCALE)
C	PZ	PASS (A, B, C SCALE)
CP	CP	CONCESSIONAL PASS
CR	CR	CREDIT
CRA	CA	CREDIT (AEGROTAT)
D	DI	DISTINCTION
DA	DA	DISTINCTION (AEGROTAT)
DF	DF	DISCONTINUED - FAIL
DISC	DS	DISCONTINUED
DNF	DC	DISCONTINUED - NOT TO COUNT AS FAILURE
DP	DP	DISCONTINUED WITH PERMISSION
E	EX	EXEMPT
EH1	K1	EQUIVALENT TO HONOURS CLASS I
EH21	K2	EQUIVALENT TO HONOURS CLASS II, DIVISION 1
EH22	K3	EQUIVALENT TO HONOURS CLASS II, DIVISION 2
EH3	K4	EQUIVALENT TO HONOURS CLASS III
F	FA	FAIL
FMP	FP	FAIL, MAY PROCEED
FR	FR	FAILED REQUIREMENTS
H1	1H	HONOURS CLASS I
H1M	1M	HONOURS CLASS I AND UNIVERSITY MEDAL
H1MS	M2	HONOURS CLASS I AND UNIVERSITY MEDAL (SHARED)
H21	2U	HONOURS CLASS II, DIVISION 1
H22	2L	HONOURS CLASS II, DIVISION 2
H3	3H	HONOURS CLASS III
HD	HD	HIGH DISTINCTION
HSAT	HS	HIGHLY SATISFACTORY
INC	IC	INCOMPLETE
INEL	IE	INELIGIBLE
M	TO	TERMINATING PASS, OPTIONAL SUPPLEMENTARY EXAMINATION
MC	TS	TERMINATING PASS, SUPPLEMENTARY EXAMINATION (CONCESSIONAL)
MINC	J2	INCOMPLETE
NE	NE	NOT EXAMINABLE
OUTS	OU	OUTSTANDING
P	PS	PASS
PA	PA	PASS (AEGROTAT)
PC	PC	PASS WITH CREDIT
PCON	PN	PASS (CONCESSIONAL)
PH	PH	PASS AT HONOURS LEVEL
PM	PM	PASS WITH MERIT
R	SR	SATISFIED REQUIREMENTS
RINC	RI	INCOMPLETE
SATS	SA	SATISFACTORY
T	TP	TERMINATING PASS
TC	TC	TERMINATING PASS (CONCESSIONAL)
UCN	UC	UNIT OF STUDY CONTINUING
USAT	US	UNSATISFACTORY
X	SU	FAIL - SUPPLEMENTARY EXAMINATION AWARDED
XC	FS	FAIL - CONCESSIONAL SUPPLEMENTARY EXAMINATION
XTCA	SC	SUPPLEMENTARY EXAMINATION TO COUNT AS ANNUAL