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**Claire Salter**  
Head of Student Records and Data

13 July 2016

Ref: 00746622

## TO WHOM IT MAY CONCERN

Surname: McGaw  
Forenames: Quentin Douglas

This is to certify that the above named student was registered at this College in the Department of Electrical and Electronic Engineering as a Full Time Undergraduate student.

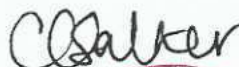
Course: Electrical & Electronic Engineering with Management (MEng 4YFT)

Period of Study: 29 September 2012 to 24 June 2016

Qualification Obtained and Awarding Body: MEng degree of Imperial College London and the Associateship of the City and Guilds of London Institute (ACGI) with Second Class Honours (Upper Division)

Date of Award: 1 August 2016

Imperial College London became a university in its own right with its own degree-awarding powers in July 2007, and accordingly appears in the United Kingdom Department for Business Innovation & Skills list of "recognised bodies" at [www.bis.gov.uk/policies/higher-education/recognised-uk-degrees](http://www.bis.gov.uk/policies/higher-education/recognised-uk-degrees).



Claire Salter



**Programme Details:**

<b>2012/2013 Year 1 Electrical &amp; Electronic Engineering with Management</b>			
Overall Year Result: Pass			
Course Title	Mark	Result	ECTS
Mathematics 1 (E-stream and I-stream)	77	N/A	
Mathematics 2 (E-stream and I-stream)	79	N/A	
Professional Engineering	62	Pass	5
Mathematics Aggregate Year 1	78	Pass	10
Analysis of Circuits	49	Pass	5
Software Engineering 1: Introduction to Computing	68	Pass	5
Introduction to Signals and Communications	66	Pass	5
Coursework	64.04	Pass	10
Digital Electronics 1	54	Pass	5
Semiconductor Devices	63	Pass	5
Analogue Electronics 1	56	Pass	5
Energy Conversion	56	Pass	5
Examinations Aggregate	62.91	N/A	
Electrical Engineering Aggregate	59.14	N/A	
Part 1 Total	63.19	N/A	
<b>2013/2014 Year 2 Electrical &amp; Electronic Engineering with Management</b>			
Overall Year Result: Pass			
Course Title	Mark	Result	ECTS
Algorithms and Data Structures	60	N/A	
Introduction to Computer Architecture	33	N/A	
Mathematics Aggregate Year 2	56	Pass	8
Devices	42	N/A	
Algorithms and Complexity	49	N/A	
EE2-10 Aggregate	46	Pass	6
Digital Electronics 2	53	Pass	4
Mathematics 2a (E-stream and I-stream)	74	N/A	
Coursework	70.35	Pass	16
Mathematics 2b (E-stream and I-stream)	38	N/A	
Analogue Electronics 2	52	Pass	4
Power Engineering	62	Pass	4
Communication Systems	55	Pass	4
Signals and Linear Systems	51	Pass	4
Control Engineering	48	Pass	4
Algorithms and Data Structures/Computer Architecture	47	Pass	6
Examinations Aggregate	51.97	N/A	
Electrical Engineering Aggregate	50.86	N/A	
Part II Total	57.49	N/A	
<b>2014/2015 Year 3 Electrical &amp; Electronic Engineering with Management</b>			
Overall Year Result: Pass			
Course Title	Mark	Result	ECTS
Digital Signal Processing	39	N/A	6
Advanced Signal Processing	48	N/A	6
Artificial Intelligence	53	N/A	6
Communication Networks	39	N/A	6
Real-time Digital Signal Processing	69	N/A	6
Accounting	57	N/A	6
Entrepreneurship/Business Plan Competition	63	N/A	6
Project Management	69	N/A	6
Technical Examinations Aggregate	49.62	Pass	0
Non-Technical Examinations Aggregate	62.86	Pass	0
Examinations Aggregate	54.58	Pass	0
Part III Total	54.58	N/A	
<b>2015/2016 Year 4 Electrical &amp; Electronic Engineering with Management</b>			
Overall Year Result: Pass Award			
Course Title	Mark	Result	ECTS
High Performance Computing for Engineers	60	N/A	5
Coding Theory	48	N/A	5
Third Year Industrial Placement	79.65	Pass	42
Managing Innovation	63	N/A	6
Corporate Finance	67	N/A	6
Managerial Economics	68	N/A	6
Individual Project	72.33	Pass	24
Technical Examinations Aggregate	56.68	N/A	
Non-Technical Examinations Aggregate	66	N/A	
Examinations Aggregate	60.67	N/A	
Part I Total	63.19	N/A	
Network and Web Security	54	N/A	5
Mobile healthcare and machine learning	65	N/A	0
Part II Total	57.49	N/A	
Part III Total	54.58	N/A	
Part IV Total	67.72	N/A	
Overall M.Eng Result	61.31	N/A	

**Mode of Study:** Full Time**Dates of Study:** 29-Sep-2012 to 24-Jun-2016**Programme Requirements:**

Bachelor's degrees have an ECTS value of at least 180. Integrated Master's degrees have a value between 240 - 270. 1 ECTS reflects 25-30 hours of work undertaken towards achieving a learning outcome.

Students who are awarded the degree of MEng have achieved at the end of their third year of study the academic level required for a Bachelor's degree. 180 ECTS are completed by the end of the third year with the fourth year comprising at least 60 ECTS at Master's level. The Bachelor's degree is not formally awarded as a separate qualification however the MEng degree diploma indicates that these awards incorporate the Bachelor's level study.

The Associate of the City and Guilds Institute (ACGI) is awarded to undergraduates who receive a BEng or MEng degree from a programme within the following departments: Aeronautics, Bioengineering, Chemical Engineering, Civil & Environmental Engineering, Computing, Electrical & Electronic Engineering and Mechanical Engineering.

**Grading Scheme and, if available, grade distribution guidance:**

Assessment is carried out by a combination of examinations, coursework and research project.

Honours classification of degrees is according to the following range of marks:

- First class Honours 70 - 100
- Second class Honours (upper division) 60 - 69.9
- Second class Honours (lower division) 50 - 59.9
- Third class Honours 40 - 49.9

**CERTIFICATION OF THE SUPPLEMENT**

VALID ONLY IF STAMPED WITH THE COLLEGE CREST

Mr McGaw was awarded an additional 15 ECTS for completing an 12 week placement at STMicroelectronics at the end of his 2nd year in 2013/14.

David Ashton  
Academic Registrar

13 July 2016