

Full Education Profile

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Last Updated: November 22, 2020

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1 Degree: Coventry University



Ongoing
BSc Mathematics and Statistics
from Coventry University.
September 2018 — 2021 (exp.)

For my degree, I am currently a student at Coventry University, studying Mathematics and Statistics in the Engineering, Environment and Computing faculty. In my first year, and my grades so far in second year, I am on course to obtain a first class degree, with an overall percentage over 80% currently. In addition to my studying, I am a member of Coventry University Cricket Club, playing in the BUCS indoor and outdoor competitions, and undertook the role of club secretary in my second year.

Each year, I had to complete 120 credits, with normal modules counting for 20. The Professional & Academic skills modules in my first two years counted for 10. Also, I had to complete a yearly Advantage module, unrelated to my core course content. This was also worth 10 credits.

First Year modules:

<i>Module</i>	<i>Grade</i>	<i>Notes</i>
101MP: Algebra	88.20%	
102MP: Calculus	80.90%	
130MP: Professional & Academic Skills	87.00%	Use of MATLAB and L ^A T _E X
A169ACC: Introduction to Book-Keeping	79.00%	Additional Advantage Module.
<i>Semester One Average:</i>	<i>83.78%</i>	
103MP: Mathematical and Numerical Analysis	77.85%	Use of MATLAB for Numerical Analysis
110MP: Mathematical Modelling	80.80%	Split into Mechanics and Modelling. Use of Excel for Modelling
120MP: Statistics	75.10%	Use of Minitab
<i>Semester Two Average:</i>	<i>77.92%</i>	
Final Year Average:	80.85%	

During the second semester of my second year, the Covid-19 Pandemic caused disruption in the latter half, with lectures moving to online-based, and exams changing from a usual 2 hour closed-book format to a 4 hour open-book format. There was also an anti-detriment policy introduced, meaning the University would take the highest between my full year average, and just my semester one average (this would also come into affect for my final degree grade, after my third year is complete).

Second Year modules:

<i>Module</i>	<i>Grade</i>	<i>Notes</i>
201MP: Further Algebra & Calculus	78.61%	
221MP: Statistical Computing	87.74%	Use of SPSS and R
230MP: Professional & Academic Skills	74.33%	Use of Python
A241MS: MATLAB and Simulink for Research in Industry	55.00%	Use of MATLAB and Simulink
<i>Semester One Average:</i>	<i>77.01%</i>	
201CEM: Operational Research Techniques	—	Use of MATLAB for Excel
203MP: Discrete Mathematics	—	Graph Theory and Stochastic Statistics
220MP: Linear Statistical Models	—	Use of Minitab
<i>Semester Two Average:</i>	—	<i>Not marked yet.</i>
Final Year Average:	77.01%	

During my third year, I will complete modules including Statistical Design & Modelling, Advanced Topics in Statistics, and Optimisation, as well as completing a project.

2 A Levels: Hutton Grammar Sixth Form



A - Mathematics (with Statistics)

A - Chemistry

C - Physics

from Hutton Grammar School Sixth Form.

September 2016 — June 2018

I studied **Mathematics** through the AQA board, with the modules C1, C2, C3, C4 (core mathematics) and S1 and S2 (statistics), achieving an A grade. I also achieved an A grade in **Chemistry** and a C in **Physics**, both through AQA. In addition, I completed the Extended Project Qualification with the topic title "*Will there be supersonic transport again by 2030, and if so will it be sustainable?*", which involved a 5,000 word report and 15 minute presentation with questions. In this, I recieved an A grade.

Final Grades:

<i>Subject</i>	<i>Grade</i>	<i>Notes</i>
Mathematics and Statistics	A	
Chemistry	A	With Practical Endorsement
Physics	C	With Practical Endorsement
Extended Project Qualification	A	Half UCAS Points
General Studies	C	Half UCAS Points

Both the EPQ and General Studies are worth half UCAS points of a full A-Level

3 GCSEs: Hutton Grammar School



3 A*, 6 A, 4 B

Including English Language (A), English Literature (A) and Mathematics (A).

from Hutton Grammar Church of England School.

September 2011 — June 2016

Whilst at Hutton Grammar, I achieved 13 GCSEs and equivalents, all of which at a B grade or higher. Whilst at Hutton, I represented the school at cricket, playing for the First XI in my last two years, as well as playing for the Under 16's and Under 15's A teams, and captaining the B sides for three years (ages 12-15).

I also competed in the UK Mathematics Trust Schools Maths Challenge at Intermediate level (Years 11 or below), achieving a Silver award.

Final Grades:

<i>Subject</i>	<i>Grade</i>	<i>Notes</i>
Mathematics	A*	TLM GCSE Equivalents†
I.C.T.	2 A*'s	
English Literature	A	
English Language	A	
Biology	A	
Computing	A	
Chemistry	A	
Physics	A	
Further Mathematics	B	
German	B	
Geography	B	
Religious Studies	B	

† The TLM grades were Distinctions, equivalent to a GCSE A*.

4 Other Qualifications

Duke of Edinburgh Award

I was a member of the Air Training Corps (Air Cadets) for four years, during which time I achieved the Bronze Duke of Edinburgh Award, which taught me a lot about working as both a team member and leader, verbal communication, perseverance and following instructions.

BTEC Aviation Studies

In addition to the DofE Award, I also studied for a BTEC in Aviation Studies whilst at Air Cadets. Once I had achieved the qualification (at a Pass level), I then went on the *Method of Instruction* course, allowing me to instruct newer cadets.

FCSEs

Prior to starting my GCSEs in Year 10 at Hutton, I completed Foundation Certificates of Secondary Education (FCSE) in German (Distinction) and French (Pass).