

Full Education Profile

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1 Coventry University



Ongoing, expected grade: First Class
BSc Mathematics and Statistics
from Coventry University.
September 2018 — 2021 (exp.)

Currently a student at Coventry University, studying Mathematics and Statistics in the School of Computing, Engineering & Mathematics in the Engineering, Environment & Computing faculty.

120 credits are required to pass each year, with course modules counting for 20. The Professional & Academic skills modules in the first and second years, and the Advanced Linear Algebra module in the third year counted for 10 credits; I also had to complete a yearly 'Addvantage' (†) module, unrelated to my core course content, 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
A169ACC: Introduction to Book-Keeping	79.00%	†
103MP: Mathematical and Numerical Analysis	77.85%	Use of MATLAB
110MP: Mathematical Modelling	80.80%	(Mechanics); Use of Excel
120MP: Statistics	75.10%	Use of Minitab
Year One Average:	80.85%	

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
201CEM: Operational Research Techniques	75.00%	Use of Excel
203MP: Discrete Mathematics	100%	Graph Theory and Stochastic Statistics
220MP: Linear Statistical Models	69.60%	Use of Minitab
Year Two Average:	79.27%	

Third Year modules:

<i>Module</i>	<i>Grade</i>	<i>Notes</i>
3005CEM: Advanced Linear Algebra	78.50%	
302MP: Coding & Cryptography	78.20%	Use of Python and MATLAB
320MP: Statistical Design & Modelling	66.20%	Use of R and Minitab
A306CSU: Students' Union Work Experience	70.00%	†
321MP: Advanced Topics in Statistics	—	Use of R and Excel
322MP: Optimisation	—	Use of Python
331MP: <i>Project</i>	—	Use of R
Year Three Average:	—	
Final University Average:	—	

Third year project:

“Assessing the Accuracy of Betting Odds in European Football”

Using R for the coding, with dissertation wrote in L^AT_EX submitted.

2 A Levels: Hutton Grammar Sixth Form



A—Mathematics;
A—Chemistry;
C—Physics
from Hutton Grammar Sixth Form.
2016—2018

Mathematics studied with the statistics (S1, S2) modules alongside the core modules (C1, C2, C3, C4)

Also 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, achieving an A.

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

3 GCSEs: Hutton Grammar School



3 A*, 6 A, 4 B

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

from Hutton Grammar School.

2011—2016

<u>Final Grades:</u>		
<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; equivalent to four GCSEs), I then went on the *Method of Instruction* course, allowing me to instruct newer cadets.