Full Education Profile

Joseph Pym

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1 Bachelor's Degree: Coventry University

First Class Degree
BSc (Hons.) Mathematics and Statistics
from Coventry University.
2018 — 2021

Completed a Bachelor's Degree with Honours at Coventry University, studying Mathematics and Statistics in the School of Computing, Engineering & Mathematics in the Engineering, Environment & Computing faculty.

120 credits were required to pass each year, with the majority of 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; and a yearly 'Addvantage' (†) module, unrelated to the core course content, counted for 10 credits. In the final year, the final year project (dissertation) counted for 30 credits.

Gained experience using the following programs: R, Python, MATLAB, Microsoft Excel, SPSS, Simulink, Minitab.

Third year project: titled 'Assessing the Accuracy of Betting Odds in European Football,' supervised by Dr. Maha Moustafa and Dr. Alun Owen.

Module	*Grade (%)*
First Year	
Algebra	88.20
Calculus	80.90
Mathematical Modelling (Mechanics)	80.80
Mathematical & Numerical Analysis	77.85
Statistics	75.10
Professional & Academic Skills I	87.00
Introduction to Book-keeping †	79.00
Second Year	
Discrete Mathematics	100.00
Statistical Computing	87.74
Further Calculus & Algebra	78.61
Operational Research Techniques	75.00
Linear Statistical Models	69.60
Professional & Academic Skills II	74.33
MATLAB & Simulink for Research in Industry †	55.00
Third Year	
Project	77.00
Optimisation	97.25
Advanced Topics in Statistics	90.50
Coding & Cryptography	78.20
Statistical Modelling	66.20
Advanced Linear Algebra and its Applications	78.50
Students' Union Work Experience	70.00

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.

Subject	*Grade*	*Notes*
Mathematics	A	With Statistics modules
Chemistry	A	With Practical Endorsement
Physics	C	With Practical Endorsement

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

Subject	*Grade*	*Notes*
Mathematics	A*	
I.C.T.	2 A*'s	TLM GCSE Equivalents†
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.