University of St Andrews | FOUNDED 1413

Student record 210000258/1

Owain Thorp

Module grades

Total SCOTCAT credits awarded 635
SCOTCAT (Scottish Credit Accumulation and Transfer) is the credit scheme used in the Scottish Credit and Qualifications Framework (SCQF).

Total ECTS credits awarded 317.5
ECTS (European Credit Transfer and Accumulation System) is the credit transfer scheme used across higher education in Europe. 2 SCOTCAT credits equate to 1 ECTS credit.

Total RPL/ASC credits awarded 120
Recognition of Prior Learning (RPL) / Advanced Standing Credits (ASC). Please review our policy documents for clarification of these terms.

Semester codes
S1 Semester 1
S2 Semester 2
Y1 Whole year

Result codes
E External Assessment
P Passed assessment

2024/25 *MPhys (Hons) Mathematics and Theoretical Physics*

Period	Module code and title	SCOTCAT Possible	SCOTCAT Gained	ECTS Gained	Grade and result Attempt 1	Attempt 2
S1	**AS5001** *Advanced Data Analysis*	15	15	7.5	**19.7** **P**	
S1	**MT3503** *Complex Analysis*	15	15	7.5	**19** **P**	
S1	**MT4514** *Graph Theory*	15	15	7.5	**18.4** **P**	
S2	**MT4512** *Automata, Languages and Complexity*	15	15	7.5	**17.2** **P**	
S2	**MT5870** *Hyperbolic Geometry*	15	15	7.5	**17.8** **P**	
S2	**MT5867** *Mathematical Logic and Set Theory*	15	15	7.5	**18.1** **P**	
S2	**VP5138** *Vertically Integrated Project: Using Artificial Intelligence for Decision Making*	15	15	7.5	**19** **P**	
Y1	**MT5599** *Advanced Project in Mathematics / Statistics*	30	30	15	**18.7** **P**	
		135	**135**	**67.5**		

2023/24 *MPhys (Hons) Mathematics and Theoretical Physics*

Period	Module code and title	SCOTCAT Possible	SCOTCAT Gained	ECTS Gained	Grade and result Attempt 1		Attempt 2
S1	**MT5868** *Advanced Ring Theory*	15	15	7.5	**17.8**	**P**	
S1	**MT5865** *Measure Theory*	15	15	7.5	**20**	**P**	
S1	**PH4040** *Nuclear and Particle Physics with Advanced Skills*	15	15	7.5	**18.3**	**P**	
S1	**PH4032** *Special Relativity and Fields*	15	15	7.5	**17.6**	**P**	
S2	**MT5877** *Ergodic Theory and Dynamical Systems*	15	15	7.5	**19.3**	**P**	
S2	**MT4003** *Groups*	15	15	7.5	**18.7**	**P**	
S2	**PH3012** *Thermal and Statistical Physics*	15	15	7.5	**16.5**	**P**	
S2	**MT4526** *Topology*	15	15	7.5	**17.2**	**P**	
		120	**120**	**60.0**			

2022/23 *MPhys (Hons) Mathematics and Theoretical Physics*

Period	Module code and title	SCOTCAT Possible	SCOTCAT Gained	ECTS Gained	Grade and result Attempt 1		Attempt 2
S1	**MT3501** *Linear Mathematics 2*	15	15	7.5	**19.3**	**P**	
S1	**PH3081** *Mathematics for Physicists*	15	15	7.5	**19.6**	**P**	
S1	**PH3080** *Computational Physics*	10	10	5	**19.2**	**P**	
S1	**PH3061** *Quantum Mechanics 1*	10	10	5	**19.3**	**P**	
S1	**MT3502** *Real Analysis*	15	15	7.5	**19**	**P**	
S2	**MT3505** *Algebra: Rings and Fields*	15	15	7.5	**20**	**P**	
S2	**PH3007** *Electromagnetism*	15	15	7.5	**18.9**	**P**	
S2	**PH4038** *Lagrangian and Hamiltonian Dynamics*	15	15	7.5	**17.9**	**P**	
S2	**PH3062** *Quantum Mechanics 2*	10	10	5	**19.6**	**P**	
		120	**120**	**60.0**			

2021/22 *MPhys (Hons) Mathematics and Theoretical Physics*

Period	Module code and title	SCOTCAT Possible	SCOTCAT Gained	ECTS Gained	Grade and result Attempt 1		Attempt 2
EX	**EXA120** *** Advanced standing credits 120*	120	120	60		**E**	
S1	**MT2502** *Analysis*	15	15	7.5	**19**	**P**	
S1	**MT2501** *Linear Mathematics*	15	15	7.5	**20**	**P**	
S1	**PH2011** *Physics 2A*	30	30	15	**19.6**	**P**	
S2	**MT2505** *Abstract Algebra*	15	15	7.5	**17**	**P**	
S2	**MT2503** *Multivariate Calculus*	15	15	7.5	**19**	**P**	
S2	**PH2012** *Physics 2B*	30	30	15	**19.3**	**P**	
S2	**PY1012** *Reasoning*	20	20	10	**18.9**	**P**	
		260	**260**	**130.0**			

Qualification aim	Master in Physics (Honours)
Qualification achieved	Master in Physics (Honours)
Classification achieved	First Class
Supervising academic schools	School of Mathematics and Statistics School of Physics and Astronomy
St Andrews GPA	18.6
Further information	
Status of award	Qualification awarded
Date of award	3 July 2025
Time of St Andrews graduation	Thursday, 3 July 2025 02:00 pm