

UNIVERSITY OF SUSSEX
DEPARTMENT OF PHYSICS AND ASTRONOMY

MSC IN QUANTUM TECHNOLOGY
MODULE CHOICES 2022-23

- **Email this form to mps_pgtoffice@sussex.ac.uk by Friday 23rd September 2022 by 12 noon.**
- **If at any point you wish to change a module you must complete a new version of this form.**
- **Please note that the Department reserves the right to withdraw any of these modules.**

Student's first name Year of Entry

Student's last name

Code	Module Title	Credit/ Level	Tick here
Semester One			
Compulsory core modules			
895F3	Quantum Optics and Quantum Information (Core)	15 (7)	√
Semester Two			
Compulsory core modules			
893F3	Practical Quantum Technologies (Core)	15 (7)	√
Optional Modules – Semester One and Two You must select TWO of these recommended options:			
890F3	Data Analysis Techniques (Semester 1)	15 (7)	
897F3	Atom Light Interactions (Semester 1)	15 (7)	
885F3	Further Quantum Mechanics (Semester 1)	15 (7)	
823G5	Programming through Python (Semester 1)	15 (7)	
898F3	Programming in C++ (Semester 1)	15 (7)	
877F3	Quantum Field Theory 1 (Semester 1)	15 (7)	
F1047	Computational Chemistry (Semester 1)	15 (6)	
979G5	Quantum Computing (Semester 1)	15 (7)	
F3231	Advanced Condensed State Physics (Semester 2)	15 (6)	
F3218	Lasers and Photonics (Semester 2)	15 (6)	
888F3	Electrons, Cold Atoms & Quantum Circuits PRE REQUISITE 897F3	15 (7)	
865G1	Monte Carlo Simulations (Semester 2)	15 (7)	
907F3	Introduction to Nano-materials and Nano-characterisation (Semester 2)	15 (7)	
All Year			
903F3	Project MSc (Quantum Technology)	90 (7)	√
Note: A recommended module can be exchanged for a different module if the supervisor considers it appropriate. If the substitute module is given by a different department then the course convenor must sign off on the module (in addition to the supervisor). Six modules should be taken over two semesters, either four in Sem 1 and two in Sem 2 or three in each semester. No more than 30 credits to be taken at level 6. Credits must total 180. You will not be allowed to change modules after week 2 of the semester that the module is given. Supervisor/Convenor's Signature			

Declaration • I understand the terms 'Collusion', 'Plagiarism' and 'Fabrication of Results' as defined in the <i>Examination & Assessment Handbook</i> at http://www.sussex.ac.uk/adqe/standards/examsandassessment • I declare that all work submitted for assessment will be solely my work and that reference to the work of others will be properly acknowledged by me. Student's Signature
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I agree that this student can take the following module(s) that are not on the 'recommended' list above.

Supervisor's Signature

For office use only:

Entered by:	Date:
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