

MSc IN QUANTUM TECHNOLOGY
MODULE CHOICES 2024-25

- **Email this form to mps_pgtooffice@sussex.ac.uk by Friday 20th September 2024 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			
<i>Compulsory core modules</i>			
895F3	Quantum Optics and Quantum Information (Core)	15 (7)	√
Semester Two			
<i>Compulsory core modules</i>			
893F3	Practical Quantum Technologies (Core)	15 (7)	√
Optional Modules – Semester One and Two			
<i>You must select Four of these recommended options:</i>			
890F3	Data Analysis Techniques (Semester 1)	15 (7)	
897F3	Atom Light Interactions (Semester 1)	15 (7)	
823G5	Programming through Python (Semester 1)	15 (7)	
877F3	Quantum Field Theory (Semester 1)	15 (7)	
F1047	Computational Chemistry (Semester 1)	15 (6)	
979G5	Quantum Computing (Semester 1)	15 (7)	
878F3	Symmetry and the Standard Model (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)	
901F3	Beyond the Standard Model (Semester 2)	15 (7)	
All Year			
919F3	MSc Project Research Skills	30 (7)	√
920F3	MSc Project P&A	60 (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			

<p>Declaration</p> <ul style="list-style-type: none"> • 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. <p>Student's Signature</p>
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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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