

UNIVERSITY OF SUSSEX
DEPARTMENT OF PHYSICS AND ASTRONOMY
MSC IN PARTICLE PHYSICS
MODULE CHOICES FOR THEORETICAL PARTICLE PHYSICS 2024-25

- **Email this form to mps_pgtooffice@sussex.ac.uk by Friday 20th September 2024 at 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	Modules	Credit (Level)	Tick here
Semester One <i>You will take the following core modules:</i>			
877F3	Quantum Field Theory (Core)	15 (7)	√
Semester Two <i>The following modules are recommended:</i>			
882F3	Advanced Quantum Field Theory (Semester Two) PRE REQUISITE 877F3	15 (7)	
901F3	Beyond the Standard Model (Semester Two) PRE REQUISITE 877F3	15 (7)	
Plus select THREE of the following recommended options. You should have selected a total of FIVE optional 15-credit modules for the year.			
890F3	Data Analysis Techniques (Semester One)	15 (7)	
F3221	Nuclear and Particle Physics (Semester One)	15 (6)	
900F3	Cosmology (Semester One)	15 (7)	
881F3	General Relativity (Semester One)	15 (7)	
823G5	Programming through Python	15 (7)	
895F3	Quantum Optics and Quantum Information (Semester One)	15 (7)	
878F3	Symmetry and the Standard Model (Semester One)	15 (7)	
F3214	Particle Physics (Semester Two)	15 (6)	
894F3	Frontiers in Particle Physics (Semester Two)	15 (7)	
880F3	Particle Physics Detector Technology (Semester Two)	15 (7)	
879F3	Advanced Cosmology (Semester Two)	15 (7)	
865G1	Monte Carlo Simulations (Semester Two)	15 (7)	
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 (including the two core modules) should be taken over two semesters, either four in semester one and two in semester two or three in each of the semesters. 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 *Examination & Assessment Handbook* 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

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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