

Year 2 (FHEQ Level 5) 2024/25

Theoretical Physics

BSc Theoretical Physics[F341]
MPhys Theoretical Physics[F340]

Compulsory Modules

Semester 1 Modules	Semester 2 Modules
PH-204 Computational Physics I 10 Credits Dr JE Bateman	PH-224 Thermal and statistical physics 20 Credits Prof M Piai
PH-223 Electromagnetism 20 Credits Prof C Nunez	PH-225 Quantum Mechanics II 20 Credits Prof DC Thompson
PH-232 Mathematics for Physicists III 20 Credits Prof DC Dunbar	
Total 120 Credits	

Optional Modules

Choose exactly 10 credits

PH-210	Laboratory Physics 2 and Group Projects	Dr WA Bryan/Prof DP Van Der Werf	TB1	10
PH-210C	Ffiseg Labordy 2 a Phrosiectau Grwp	Dr WA Bryan/Prof DP Van Der Werf	TB1	10

And

Choose exactly 20 credits

PH-211	Laboratory Physics 2	Dr WA Bryan/Prof PR Dunstan	TB2	10
PH-211C	Ffiseg Labordy 2	Dr WA Bryan/Prof DP Van Der Werf	TB1+2	10
PH-216	Professional Development and Career Planning	Mrs S Gill	TB1	0
PH-217	Science Communication	Dr WE Harris/Dr RH Meara/Dr SG Roberts/..	TB2	10
PH-220	Stellar Astrophysics	Prof SP Kumar	TB2	10

Year 2 (FHEQ Level 5) 2024/25
Theoretical Physics
 BSc Theoretical Physics with a Year in Industry[F636]

Compulsory Modules

Semester 1 Modules	Semester 2 Modules
PH-204 Computational Physics I 10 Credits Dr JE Bateman	PH-224 Thermal and statistical physics 20 Credits Prof M Piai
PH-216 Professional Development and Career Planning 0 Credits Mrs S Gill	PH-225 Quantum Mechanics II 20 Credits Prof DC Thompson
PH-223 Electromagnetism 20 Credits Prof C Nunez	
PH-232 Mathematics for Physicists III 20 Credits Prof DC Dunbar	
Total 120 Credits	

Optional Modules

Choose exactly 10 credits

Choose at least one module

PH-210	Laboratory Physics 2 and Group Projects	Dr WA Bryan/Prof DP Van Der Werf	TB1	10
PH-210C	Ffiseg Labordy 2 a Phrosiectau Grwp	Dr WA Bryan/Prof DP Van Der Werf	TB1	10

And

Choose exactly 20 credits

PH-211	Laboratory Physics 2	Dr WA Bryan/Prof PR Dunstan	TB2	10
PH-211C	Ffiseg Labordy 2	Dr WA Bryan/Prof DP Van Der Werf	TB1+2	10
PH-217	Science Communication	Dr WE Harris/Dr RH Meara/Dr SG Roberts/..	TB2	10
PH-220	Stellar Astrophysics	Prof SP Kumar	TB2	10

Year 2 (FHEQ Level 5) 2024/25
Theoretical Physics
 MPhys Theoretical Physics with a Year in Industry[F857]

Compulsory Modules

Semester 1 Modules	Semester 2 Modules
PH-204 Computational Physics I 10 Credits Dr JE Bateman	PH-224 Thermal and statistical physics 20 Credits Prof M Piai
PH-216 Professional Development and Career Planning 0 Credits Mrs S Gill	PH-225 Quantum Mechanics II 20 Credits Prof DC Thompson
PH-223 Electromagnetism 20 Credits Prof C Nunez	
PH-232 Mathematics for Physicists III 20 Credits Prof DC Dunbar	
Total 120 Credits	

Optional Modules

Choose exactly 10 credits

PH-210	Laboratory Physics 2 and Group Projects	Dr WA Bryan/Prof DP Van Der Werf	TB1	10
PH-210C	Ffiseg Labordy 2 a Phrosiectau Grwp	Dr WA Bryan/Prof DP Van Der Werf	TB1	10

And

Choose exactly 20 credits

PH-211	Laboratory Physics 2	Dr WA Bryan/Prof PR Dunstan	TB2	10
PH-211C	Ffiseg Labordy 2	Dr WA Bryan/Prof DP Van Der Werf	TB1+2	10
PH-217	Science Communication	Dr WE Harris/Dr RH Meara/Dr SG Roberts/..	TB2	10
PH-220	Stellar Astrophysics	Prof SP Kumar	TB2	10