

## BEng Polymer Materials Science and Engineering

Year 1	Modules						Chinese Studies
<b>Semester 1</b>	Personal Development Planning 1 QXU3111	English Language 1 QXU3101	Advanced Maths 1 NXC3000	General Physics NXC3001	Linear Algebra NXC3002	Introduction to Engineering Materials QXU4011	Military Training
		<b>Semester 2</b>	English Language 2 QXU3102	Advanced Maths 2 NXC3004	Mathematical Modelling and Computing NXC3005		
Physical Education (1)							
		Essentials of Chinese Modern History					
	Ethics and Fundamentals of Law						
	Physical Education (2)						
Year 2	Modules						Chinese Studies
<b>Semester 1</b>	Personal Development Planning 2 QXU4111	MS 1 Structure and Properties QXU4000	Engineering Design Methods NXC4008	Experiments in Materials 1 QXU4007	Mechanical Modelling NXC4012		Situation and Policy
		<b>Semester 2</b>	MS 2 Processing and Applications QXU4006	Molecules to Materials QXU4001	Introduction to Functional Materials NXC4010		Thermodynamics and Fluid Mechanics NXC4122
Physical Education (3)							
		The Fundamentals of Mao Zedong Thought					
	Physical Education (4)						
Year 3	Modules						
<b>Semester 1</b>	Personal Development Planning 3 QXU5111	Physical Properties of Polymers QXU5032	Surfaces and Interfaces QXU5010	Polymer Chemistry QXU5031	Polymer Degradation NXC5028		Elective subjects
<b>Semester 2</b>		Composite Materials QXU5030	Experiments in Materials 2 QXU5017	Polymer Characterisation NXC5013	Elastomer Materials NXC5014		Elective subjects
Year 4	Modules						
<b>Semester 1</b>		Materials Selection in Design QXU6002	Failure of Polymers NXC6019	Advanced Polymer Synthesis QXU7033	Polymer Processing NXC6018		Elective subjects
<b>Semester 2</b>		Environmental Properties of Materials QXU6007	Polymer Product Design NXC6020	Functional Polymers QXU6034	Polymer Engineering Project QXU6035		Elective subjects