University of Birmingham Foundation Progression Requirements - Engineering & Physical Sciences

Upon successful completion of the Engineering & Physical Sciences Pathway you will be guaranteed a place on one of the following degree programmes, subject to meeting the progression requirements listed below. Unless otherwise stated, the undergraduate degrees listed below are 3 year programmes (you would therefore study for a total of 4 years including the Foundation year). It is possible to progress to one of our four-year undergraduate programmes, for example, an MEng or MSci. Students wishing to progress to a 4-year UG programme would transfer at the end of the foundation year or during their UG degree and will need to apply for an extension of their studies.

* You will be assigned an appropriate English module once you have started the course and you will need to gain the listed mark in this module to progress. ^Your average is based on all modules taken and weighted according to the credit value of the module.

Degree Programme	Modules	Progression Requirements
School of Engineering		
Civil Engineering BEng Civil and Energy Engineering BEng Civil and Railway Engineering BEng Electronic and Electrical Engineering BEng Electrical and Energy Engineering BEng Electrical and Railway Engineering BEng Mechanical Engineering BEng Mechanical Engineering (Automotive) BEng 4 year programmes including MEng degrees are available, you would normally transfer to these programme during your undergraduate study, subject to academic perfomance, see: http://www.birmingham.ac.uk/schools/civil-engineering/undergraduate/index.aspx http://www.birmingham.ac.uk/schools/eese/undergraduate/index.aspx http://www.birmingham.ac.uk/schools/mechanical-engineering/undergraduate/index.aspx	Introductory Mathematics (10) Properties of Matter (10) Mechanics & Waves (20) Further Mathematics (20) Foundation Electronic & Electrical Engineering (20) **Plus** Academic English and Study Skills (40)* **or** Advanced Academic English and Study Skills (40)* **or** Advanced Academic Skills for Foundation Sciences and Engineering (40)*	At least **100** credits **and** at least: **55%** in Academic English and Study Skills* **60%** in Introductory Mathematics **60%** in Further Mathematics
School of Computer Science		
Computer Science BSc Artificial Intelligence and Computer Science BSc Computer Science with Business Management BSc Computer Science and Software Engineering MEng (4 year) 4 year programmes including MSci degrees are available, you would normally transfer to these programme during your undergraduate study, subject to academic perfomance, see: http://www.cs.bham.ac.uk/admissions/undergraduate/	Introductory Mathematics (10) Properties of Matter (10) Introductory Computer Science (20) Further Mathematics (20) Foundation Electronic & Electrical Engineering (20) **Plus** Academic English and Study Skills (40)* **or** Advanced Academic English and Study Skills (40)* **or** Advanced Academic Skills for Foundation Sciences and Engineering (40)*	At least 100 credits **and** at least: **55%** in Academic English and Study Skills* **60%** in Introductory Computer Science **60%** in Introductory Mathematics **50%** in Further Mathematics

Degree Programme	Modules	Progression Requirements
School of Metallurgy and Materials		
Materials Science and Energy Engineering BEng Materials Science and Engineering with Business Management BEng Materials Science and Technology BEng Mechanical and Materials Engineering BEng Metallurgy BEng 4 year programmes including MEng degrees are available, you would normally transfer to these programme during your undergraduate study, subject to academic perfomance, see: http://www.birmingham.ac.uk/schools/metallurgy-materials/undergraduate-courses/index.aspx	Introductory Mathematics (10) Properties of Matter (10) Mechanics & Waves (20) Further Mathematics (20) Foundation Electronic & Electrical Engineering (20) **Plus** Academic English and Study Skills (40)* **or** Advanced Academic English and Study Skills (40)* **or** Advanced Academic Skills for Foundation Sciences and Engineering (40)*	At least **100** credits **and** at least: **55%** in Academic English and Study Skills* **60%** in Introductory Mathematics **60%** in Further Mathematics **40%** in Properties of Matter
Nuclear Engineering MEng (4 years) **Note:** this is a four year programme for which students require an ATAS certificate, students would normally register for the 1-year foundation programme and then transfer to the MEng degree. For information about the ATAS certificate see: http://www.birmingham.ac.uk/International/students/visas/atas.aspx		
Nuclear Science and Materials BSc		At least **100** credits **and** at least: **55%** in Academic English and Study Skills* **60%** in Introductory Mathematics **60%** in Further Mathematics **40%** in Mechanics and Waves
Sports and Materials Science BSc		At least **100** credits **and** at least: **55%** in Academic English and Study Skills* **50%** in Introductory Mathematics **50%** in Further Mathematics **40%** in Properties of Matter

Degree Programme	Modules	Progression Requirements
School of Mathematics		
Mathematics BSc Mathematics with Business Management BSc 4 year programmes including MSci degrees are available, you would normally transfer to these programme during your undergraduate study, subject to academic perfomance, see: http://www.birmingham.ac.uk/schools/mathematics/undergraduate/index.aspx	Introductory Mathematics (10) Properties of Matter (10) Mechanics & Waves (20) Further Mathematics (20) Foundation Electronic & Electrical Engineering (20) **Plus** Academic English and Study Skills (40)* **or** Advanced Academic English and Study Skills (40)* **or** Advanced Academic Skills for Foundation Sciences and Engineering (40)*	At least **100** credits **and** at least: **55%** in Academic English and Study Skills* **70%** in Introductory Mathematics **70%** in Further Mathematics **40%** in Mechanics and Waves
School of Physics and Astronomy		
Physics BSc Physics and Astrophysics BSc Physics with Particle Physics and Cosmology BSc Nuclear Science and Materials BSc 4 year programmes including MSci degrees are available, you would normally transfer to these programme during your undergraduate study, subject to academic perfomance, see: http://www.birmingham.ac.uk/schools/physics/undergraduate/index.aspx	Introductory Mathematics (10) Properties of Matter (10) Mechanics & Waves (20) Further Mathematics (20) Foundation Electronic & Electrical Engineering (20) **Plus** Academic English and Study Skills (40)* **or** Advanced Academic English and Study Skills (40)* **or** Advanced Academic Skills for Foundation Sciences and Engineering (40)*	At least **100** credits **and** at least: **55%** in Academic English and Study Skills* **60%** in Introductory Mathematics **60%** in Further Mathematics **40%** in Mechanics and Waves
Theoretical Physics BSc Theoretical Physics and Applied Mathematics BSc 4 year programmes including MSci degrees are available, you would normally transfer to these programme during your undergraduate study, subject to academic perfomance, see: http://www.birmingham.ac.uk/schools/physics/undergraduate/index.aspx		At least **100** credits **and** at least: **55%** in Academic English and Study Skills* **70%** in Introductory Mathematics **70%** in Further Mathematics **40%** in Mechanics and Waves

Degree Programme	Modules	Progression Requirements
School of Chemical Engineering		
Chemical Engineering BEng Chemical and Energy Engineering BEng Chemical Engineering with Business Management BEng 4 year programmes including MEng degrees are available, you would normally transfer to these programme during your undergraduate study, subject to academic perfomance, see: http://www.birmingham.ac.uk/schools/chemical-engineering/undergraduate/degree-courses.aspx	Introductory Mathematics (10) Introductory Organic Chemistry (10) Mechanics & Waves (20) Further Mathematics (20) Physical Chemistry (20) **Plus** Academic English and Study Skills (40)* **or** Advanced Academic English and Study Skills (40)* **or** Advanced Academic Skills for Foundation Sciences and Engineering (40)*	At least **100** credits **and** at least: **55%** in Academic English and Study Skills* **60%** in Introductory Mathematics **60%** in Further Mathematics **40%** in Introductory Organic Chemistry **40%** in Mechanics and Waves **40%** in Physical Chemistry
School of Chemistry		
Chemistry BSc Chemistry with Business Management BSc Chemistry with Pharmacology BSc 4 year programmes including MSci degrees are available, you would normally transfer to these programme during your undergraduate study, subject to academic perfomance, see: http://www.birmingham.ac.uk/schools/chemistry/undergraduate/undergraduate-degree-courses.aspx	Introductory Mathematics (10) Introductory Chemistry (10) The Periodic Table (10) Introductory Organic Chemistry (10) Organic Spectroscopy (10) Physical Chemistry (20) Practical Chemistry (10) **Plus** Academic English and Study Skills (40)* **or** Advanced Academic English and Study Skills (40)* **or** Advanced Academic Skills for Foundation Sciences and Engineering (40)*	At least 100 credits **and** an overall weighted average of **55%** **and** a mark of at least **55%** in Academic English and Study Skills*