

Foundation Progression Requirements (2018-19) - Engineering & Physical Sciences

These requirements apply to student completing the foundation programme in the academic year 2018-19. 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		
Engineering BEng Civil Engineering BEng Civil and Railway Engineering BEng Electronic and Electrical Engineering BEng Electrical and Railway Engineering BEng Mechanical Engineering BEng Mechanical Engineering (Automotive) BEng Mechatronic and Robotic Engineering BEng 4 year programmes including MEng degrees are available, you would normally transfer to these programme during your undergraduate study, subject to academic performance, 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 Mathematics and Computer Science 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 performance, 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 50% in Introductory Computer Science 60% in Introductory Mathematics 60% in Further Mathematics

School of Metallurgy and Materials

Materials Science and Engineering BEng
 Mechanical and Materials Engineering BEng
 Aerospace 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 performance, see:

<http://www.birmingham.ac.uk/schools/metallurgy-materials/undergraduate-courses/index.aspx>

Nuclear Engineering MEng

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

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

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

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 performance, 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 performance, 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 and Theoretical Physics and Applied Mathematics BSc programmes are available. You would normally transfer to these programme at the end of the 1st year of the undergraduate BSc Physics programme, subject to academic performance.

School of Chemical Engineering

Chemical Engineering BEng

4 year programmes including MEng degrees are available, you would normally transfer to these programme during your undergraduate study, subject to academic performance, 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 performance, 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