

FOUNDATION STUDIES

Dr Nicola Jennings

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Open Day

30th June & 1st July 2023



Foundation Studies

This session starts at 11.15

Inspiring Winners since 1909



www.lboro.ac.uk/school-college-liaison



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The Foundation programme is part of a 4 (or 5) year integrated degree aimed broadly at two groups of students:

- Students who want to study a Science or Engineering subject but do not have the 'correct' A-level subjects.
- Students who have studied the 'correct' A-level subjects but who have faced some adverse circumstances in their life and hence did not achieve the grades necessary to come to Loughborough University as planned. This could be due a bereavement, an accident or hospitalisation that took the student away from studying for a period of time, or a long-term health condition.

The International Foundation programme delivered by OnCampus. More information can be found here:

<https://www.lboro.ac.uk/study/undergraduate/international-foundation-programme/>

- Aeronautical Engineering
- Automotive Engineering
- Bioengineering
- Biological Sciences
- Business for Elite Athletes
- Chemical Engineering
- Chemistry
- Civil Engineering and Architectural Eng.
- Computer Science
- Economics for Elite Athletes
- Electronic and Electrical Engineering
- Engineering Management
- Geography
- Human Biology
- Materials Engineering
- Mathematics
- Mechanical Engineering
- Natural Sciences
- Physics
- Product Design and Technology
- Product Design Engineering
- Psychology for Elite Athletes
- Social Science & Humanities
- Sport for Elite Athletes
- Sports Technology

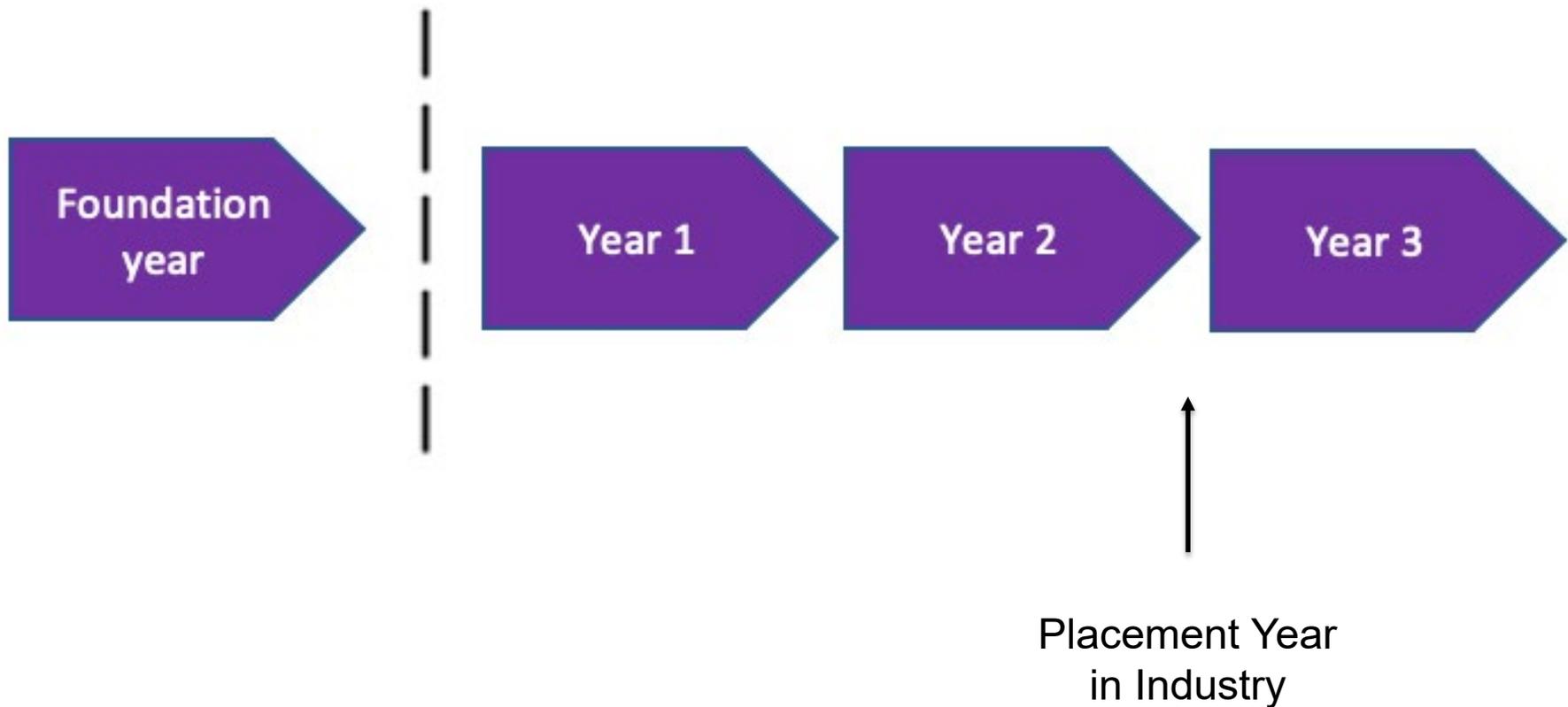
All pathways are with a Foundation Year

- **Engineering, Maths and Physical Sciences (approx. 110)**
Aero/auto, BioEngineering, Chemical, Civil, Electrical, Engineering Management, Manufacturing, Materials, Mechanical, Product Design, Robotics, Computer Science, Physics, Mathematics, Natural Sciences
- **Life Sciences (approx. 20)**
Chemistry, Human Biology, Geography, Biological Sciences, Natural Sciences
- **Business, Social Science & Humanities (approx. 20)**
Social science & Humanities (including English-related, Politics, International Relations and Liberal Arts)
- **Sport Science (approx. 20) Elite Athlete only**
Sport Science

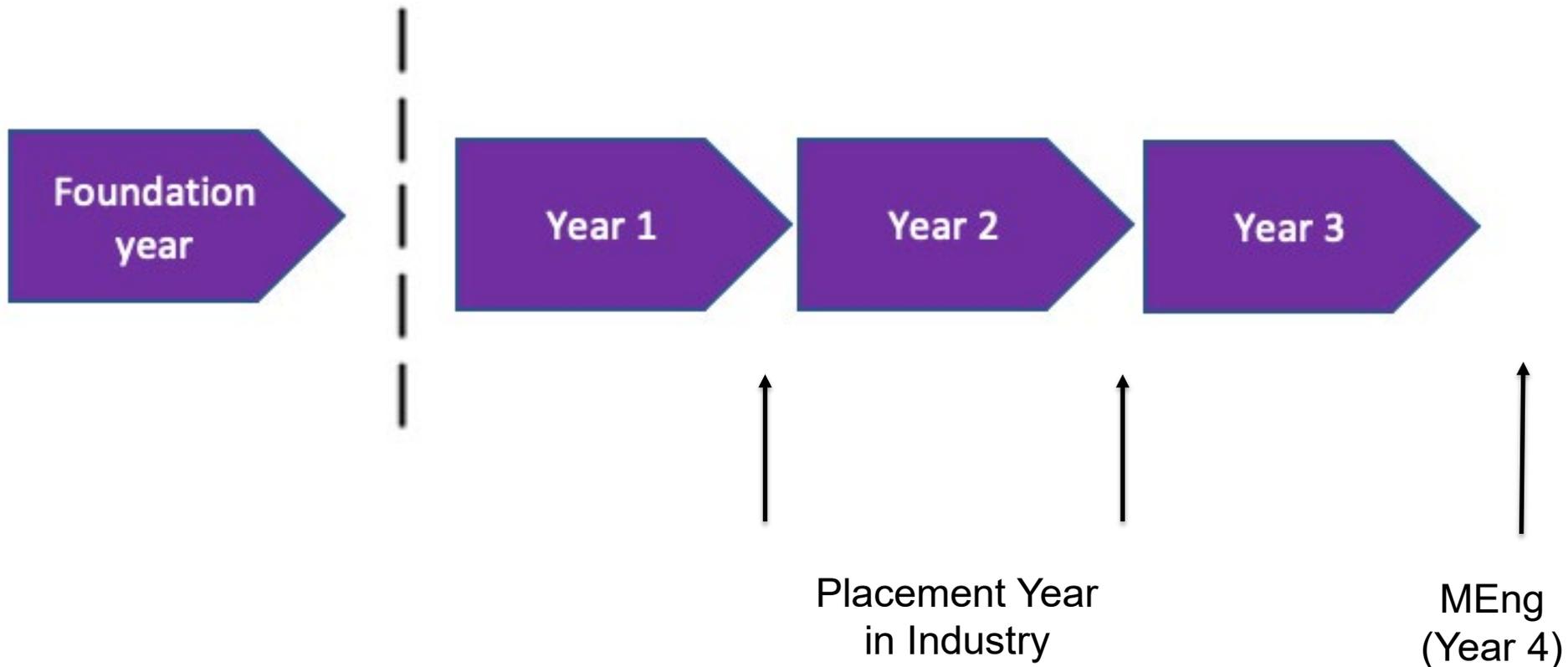
Pathways available to Elite athletes

All the above plus the Sport Science stream

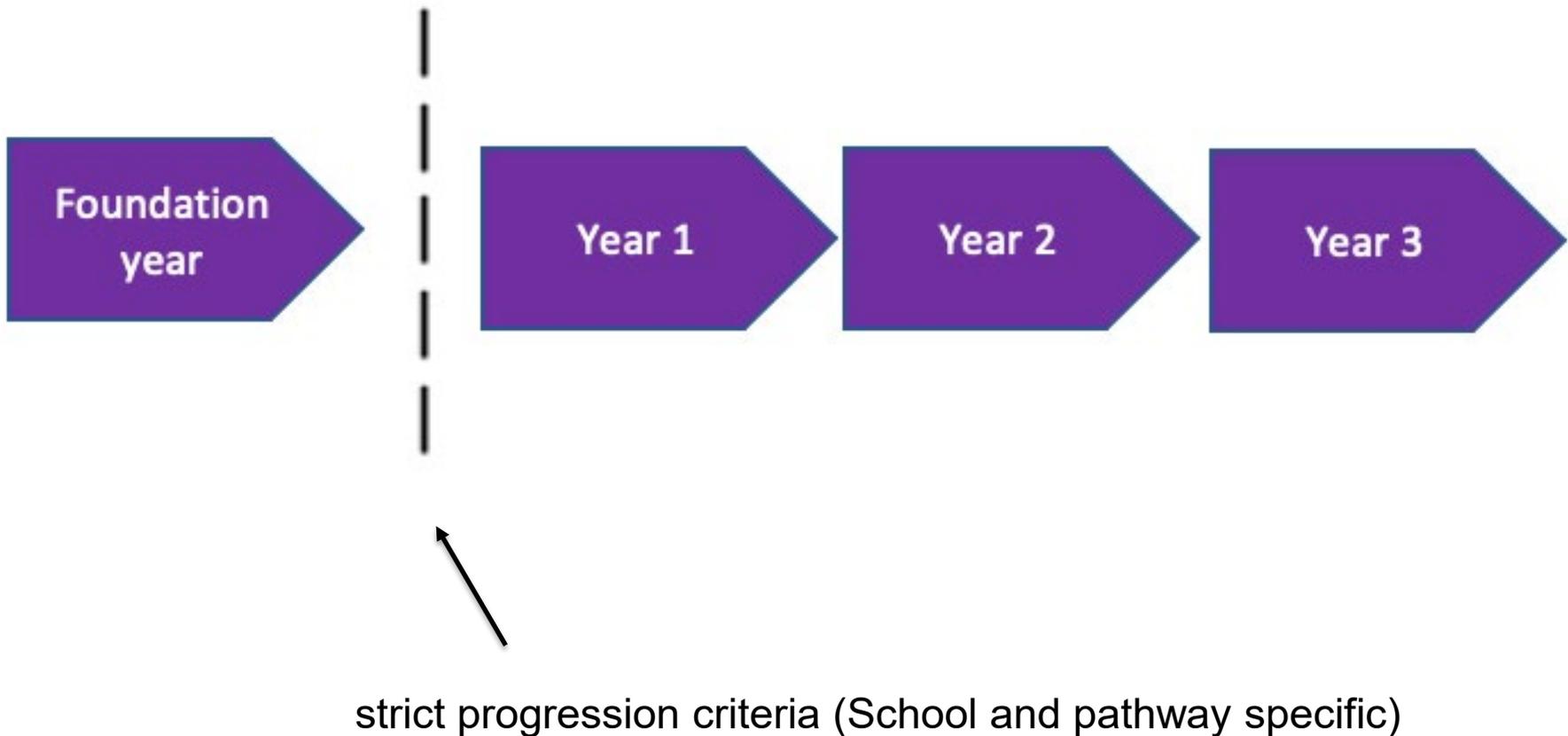
The Foundation Year is 4 (or 5) year integrated (BEng) degree:



The Foundation Year is 5 (or 6) year integrated MEng degree:



The Foundation degree is 4 (or 5) year integrated degree:



Subject A 30 credits	Subject B 30 credits	Subject C 30 credits	Subject D 30 credits
Applicable Mathematics	Physics	Chemistry	Materials with Engineering Science
Statistical Mathematics	Sports Science	Programming with electronics or design	Biology
Geography	Economics	Psychology with Sociology	Business Finance with Marketing

More information about the 2023 Foundation programme can be found here:

Foundation Studies 2024

Stream	Subject A 40 credits	Subject B 40 credits	Subject C 20 credits	Subject D 20 credits
Engineering, maths and physical sciences	Applicable Mathematics 1 & 2	Physics & Engineering Science	Computational Thinking & Creative Problem Solving	Professional Skills
Life Sciences	Chemistry 1 & 2	Human Biology & Biology	Maths for Scientists 1 & 2	Professional Skills
Business, Social Science and Humanities	Global Citizenship & Macroeconomics	Business and Finance & Sociology and Psychology	Academic Writing & Numerical Methods in Research	Professional Skills
Sport Science	Sport and Exercise Science & Physical Education, Coaching and Management	Human Biology & Sociology and Psychology	Academic Writing & Numerical Methods in Research	Professional Skills

More information about the 2024 Foundation programme can be found here:

Progression Criteria 2024

Pathways in Engineering, Maths and Physical Sciences Stream	Maths 1 & 2	Physics	Engineering Science	Computational Thinking	Creative Problem Solving	Overall Average
Materials	60					60%
Computer Science	60					60%
Physics	70					60%
Natural Science (Majors)	(70)	(60)	(60)	(60)	(60)	60%
Computer Science	70					60%
Mathematics	70					60%
Aeronautical or Automotive Engineering	70					60%
Product Design Engineering	60					60%
Product Design and Technology	60					60%
Mechanical Engineering	70					60%
Electronic and Electrical Engineering (including Robotics)	60					60%
Engineering Management	60					60%
BioEngineering	70					60%
Chemical Engineering	70					60%
Civil and Architectural Engineering	70					60%
Sports Technology						60%

All pathways require a minimum of 100 credits.

All other pathways require an overall average of 60% & 60% in specialist subject

For a module to gain credit a minimum of 40% is required. No module below 30%

Please read in conjunction with the programme regulations for fine detail

Life Sciences stream

	Subject A	Subject B	Subject C	Subject D
Chemistry	Chemistry 1 (20 credits)	Biology (20 credits)	Maths for Scientists 1 (10 credits)	Professional Skills (20 credits)
Natural Science (Chemistry, Biology Majors)	Chemistry 2 (20 credits)	Human Biology (20 credits)	Maths for Scientists 2 (10 credits)	

*Modules are reviewed on an annual basis and may be subject to change – revised details via Programme Specifications
<https://www.lboro.ac.uk/students/programme-specifications/>

Engineering, Maths and Physical Sciences stream

	Subject A	Subject B	Subject C	Subject D
Maths	Applicable Mathematics 1 (20 credits)	Physics (20 credits)	Computational Thinking (10 credits)	Professional Skills (20 credits)
Natural Science (Physics, Maths, Materials, Engineering Majors)	Applicable Mathematics 2 (20 credits)	Engineering Science (20 credits)	Creative Problem Solving (10 credits)	
Computer Science				
Physics				

*Modules are reviewed on an annual basis and may be subject to change – revised details via Programme Specifications

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Coursework component and final (written) examination

Coursework can consist of:

1. CAA component (Mathematics)
 2. Lab report (Physics/Chemistry/Biology)
 3. Essay-style component (Programming, Economics)
 4. Presentation (Economics/Sports Science – groupwork)
- Mathematics:
 - 2 x Computer-based assessments (20%), Written Exam (80%)
 - Physics
 - Lab report, Written Exam (40%, 60%)
 - Professional Skills:
 - 100% Coursework (eg groupwork, data analysis)

Apart from your academic studies, as a Foundation student you are treated the same way as any first year student with access to:

- Accommodation
- Sporting facilities
- Sports' Clubs
- Students' Union
- Societies
- Pastoral Care
- Academic Support Services
- Library

Meet the Foundation Team



Dr Nicola Jennings
Foundation Prog. Leader
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(Chemistry)



Dr Sian Williams
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(Chemistry)



Jason Cook
Elite Sport Pathways
J.L.Cook@lboro.ac.uk
(Sport Science)



Anje Conradie
(Business and
Economics)



Dr Stephanie Thomas
(Mathematics)



Peter Hortor
(Physics)



Atish Vadher
(Biology)



Jenny Maxwell
Elite Athlete Support

Any questions, please email us!

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