

DLD
COLLEGE
L O N D O N

ESTABLISHED 1931



**INTERNATIONAL
FOUNDATION PROGRAMME
MEDICINE**



COURSE OVERVIEW

The International Foundation Programme Medicine, is a one-year intensive course, designed as an alternative to A Levels, which prepares students for undergraduate study of Medicine and a range of science courses at university.

Students can progress to a variety of university courses such as medicine, biomedical sciences and biological sciences, chemistry, biochemistry, nutrition, sports science, and pharmacy.

Who is it recommended for?

International students looking for a one year programme that enables progression to study medicine or a range of science courses at a university in the UK or overseas.

Course Structure

The programme has three components: Biology, Chemistry and Advanced Mathematics. The subject weightings are shown below.

	Biology	Chemistry	Advanced Mathematics
International Foundation Programme - Medicine Pathway	35%	35%	30%



Assessment

The programme is assessed by examinations held in January and June each year. There are two exams sat in Biology, two in Chemistry, and two in Advanced Mathematics.

	Biology	Chemistry	Advanced Maths
January Exams	Biology 1	Chemistry 1	Advanced Mathematics 1
June Exams	Biology 2	Chemistry 2	Advanced Mathematics 2

The percentages from each subject are added together to produce an overall grade:

Overall Score	>90%	85-90%	80-84%	75-79%	73-74%	70-72%	65-69%	60-64%	55-59%	40-49%
Equivalent A Level Grades	A*A*A*	A*A*A	A*AA	AAA	AAB	ABB	BBB	BBC	BCC	CCC



COURSE COMPONENTS

On average, students have approximately 16 hours of lessons per week, and are expected to supplement this with at least 10 hours of independent study.

BIOLOGY DESCRIPTORS

The Foundations of Biology

This unit introduces the biochemical basis of living organisms, their cellular nature and how cells arise from other cells. It also considers the organs and mechanisms involved in human gas exchange, digestion and blood circulation. Compulsory practicals enable students to appreciate scientific methods and develop competence in handling apparatus.

1. Biological Molecules
2. Enzymes
3. Cell Structure
4. Biological Membranes
5. Communicable Diseases, Disease Prevention & The Immune System
6. Exchange Surfaces
7. Digestion & Absorption
8. Transport in Animals
9. Respiration

CHEMISTRY DESCRIPTORS

The Foundations of Chemistry

Students will learn the key thinking that underpins all chemistry. They will develop their quantitative skills and use their knowledge to relate macroscopic properties to the structure and bonding. They will also look at organic molecules and start to analyse the mechanism by which reactions occur. Relevant practical skills will be developed.

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| 1. Development of Practical Skills | 9. Enthalpy Changes |
| 2. Atoms, Ions and Compounds | 10. Rates of Reaction & Equilibrium |
| 3. Amount of Substance | 11. Basic Concepts Organic Chemistry |
| 4. Acids & Redox | 12. Alkanes |
| 5. Electrons & Bonding | 13. Alkenes |
| 6. Shapes of Molecules & Intermolecular Forces | 14. Alcohols |
| 7. Periodicity | 15. Haloalkanes |
| 8. Reactivity Trends (Group 2 & Group 7) | 16. Organic Synthesis |
| | 17. Spectroscopy (Infrared and Mass Spectroscopy) |



COURSE COMPONENTS

The Applications of Chemistry

Students will learn more about the ways in which we can control and understand reactions, both qualitatively and quantitatively. The organic work is developed and introduces more mechanisms and ideas that have a huge impact on biochemistry and drug synthesis. Relevant practical skills will be developed.

18. Rates of Reaction
19. Equilibrium
20. Acids, Bases & pH
21. Buffers & Neutralisation
22. Enthalpy & Entropy
23. Redox & Electrode Potentials
24. Aromatic Chemistry
25. Carbonyls & Carboxylic Acids
26. Nitrogen Compounds
27. Spectroscopy (^{13}C and ^1H NMR)



MATHEMATICAL DESCRIPTORS

Advanced Mathematics 1

More than ever before in human history, we are discovering new chemicals. Future Medical Scientists need to be able to analyse and manipulate data. Advanced Mathematics 1 equips learners with the core skills required to embark on further study of this dynamic field.

1. Algebra & Functions
2. Quadratic Functions
3. Equations & Inequalities
4. Sketching Curves & Transformations
5. The Sine & Cosine Rule
6. Trigonometry
7. Coordinate Geometry
8. Arithmetic Sequences & Series
9. Geometric Sequences & Series
10. Exponentials & Logarithms
11. Differentiation



COURSE COMPONENTS

Advanced Mathematics 2

Building on prior study, in Advanced Mathematics 2 students will expand their knowledge and skills gained and apply them to more complex issues. This module demands an analytical and synthetic approach that allows learners to develop mathematical knowledge, skills, imagination and experience to the highest levels in readiness for their future studies and career.

12. Further Differentiation
13. Partial Functions
14. Binomial Expansions
15. Functions
16. Integration
17. Numerical Methods
18. Coordinate Geometry in the (x,y) Plane
19. Further Differentiation 2
20. More Integration & Differential Equations

English Language Tuition

The International Foundation Programme Medicine includes English Language tuition to prepare students for the IELTS examinations. This ensures that all IFP Medicine students meet the English Language entry requirements of their chosen university.

Medical School Preparation

International Foundation Programme Medicine students will also receive specialist medical school application and interview support as part of the programme.

To support their application, students will also become members of our DLD College London Medicine Society (MedSoc). MedSoc activities include regular talks delivered by medical professionals and medical school tutors and students, practical and clinical workshops and hospital and medical school visits.

Scan the code below to find out more about the DLD College London Medicine Society.





MEDICINE PROGRESSION ROUTES



Institution	Qualification	Academic Entry Requirements	IELTS Requirement
Brunel University (UK)	MBBS	75% Overall Score. No UCAT or BMAT. Need to pass interview	IELTS 7.0 Overall
University of Nicosia (Cyprus)	MD	70% Overall Score. No UCAT or BMAT. Need to pass interview	IELTS 6.5 Overall
Queen Mary University of London (Malta)	MBBS	85% Overall Score & UCAT 2281. Need to pass interview	IELTS 7.0 Overall
American University of Antigua	MD	Minimum prerequisite No UCAT or BMAT. Need to pass interview	IELTS 6.5 Overall

Alternative Progression Routes

In addition to Medicine, this programme also offers progression to a wide range of university courses including:

- Biomedicine
- Biochemistry
- Biological Sciences
- Pharmacy
- Sports Science
- Nutrition
- Optometry
- Chemistry

As an example of alternative progression, Aston University accepts successful completion of the International Foundation Programme Medicine for progression onto its BSc (Hons) Biochemistry, Biological Sciences and Biomedical Sciences undergraduate courses.



FEES & ENTRY REQUIREMENTS

Fee Type	IFP Medicine Full Tuition Fee September 2021 - July 2022
International Students	£31,930
EEA Students	£25,055

Accommodation Fees
On campus boarding fees range from £19,500 - £27,990 per year. Twin and Single occupancy rooms are available. All rooms are provided on a full board basis.

Entry Requirements

Age	17 years+
Academic Requirements	A review of your academic grades Previous study of Biology & Chemistry at Level 3 (or equivalent)
English Requirements	Minimum IELTS 6.5

APPLY NOW



For further information please email
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