

1. Programme title(s) and code(s):

- a) BSc Clinical Sciences
- b) BSc Clinical Sciences with a Year in Industry
- c) HEDip Clinical Sciences*
- d) HECert Clinical Sciences*

Notes

* An award marked with an asterisk is only available as an exit award and is not available for students to register onto.

a) [HECOS Code](#)

HECOS Code	%
100270 Medical Science	[100 %]

b) UCAS Code (where required)

[B990]

2. Awarding body or institution:

University of Leicester

3. a) Mode of study

Full-time

b) Type of study

Campus-based

4. Registration periods:**BSc Clinical Sciences**

The normal period of registration for the *BSc in Clinical Sciences* is 3 years (this total increases to 4 years for the *with a Year in Industry* programme variant)

The maximum period of registration for the BSc Clinical Sciences 5 years (this total increases to 6 years for the *with a Year in Industry* programme variant)

5. Typical entry requirements

- A-levels: typical offer AAB, including at least two relevant science subjects from Biology (preferred), Chemistry, Physics or Maths.
- EPQ with A-levels: typical offer ABB + EPQ at grade B. A-level subjects to include two relevant science subjects from Biology (preferred), Chemistry, Physics or Maths. General Studies not accepted.
- GCSE: At least Grade C/6 in both English Language and Maths (if not held at A-level)
- Access to HE Diploma: Pass relevant diploma with 45 credits at level three, with

distinctions in some subjects. International Baccalaureate: Pass Diploma with 32/30 points, including at least two relevant science subjects at Grade 6 at higher level.

- BTEC Nationals: Pass relevant Diploma with DDD plus five GCSEs at B or above including two relevant sciences.

Direct entry to Year 2

The first year of the BSc in Clinical Sciences is closely aligned to the curriculum and assessment requirements of the first year of the MBChB (A100). Due to the degree of overlap, internal transfers from the MBChB to the BSc in Clinical Sciences will be considered in the following circumstance:

Achievement of a minimum 40.00% Course Weighted Average for year 1 of the MBChB.

Note. Transfers from the BSc Clinical Sciences to the MBChB will be considered according to the criteria outlined below in 10. *Progression points, a) Course transfers. Additional formative assessment may be required to facilitate the transition to Year 2 of the Clinical Sciences degree.*

6. Accreditation of Prior Learning

Only considered for internal transfers from the University of Leicester MBChB (A100) on the criteria specified above in 5. *Typical entry requirements*

7. Programme aims

The programme aims to provide students with the opportunity to study the basic medical and biomedical sciences alongside gaining a foundation in traditional laboratory and research skills. In addition to generic transferrable skills, and a strong foundation in the basic medical sciences, students will also complete foundation laboratory and research skills in the context of biological sciences and develop these in year 3 by the completion of an analytical research project. In this way, the degree will prepare students for research careers (including accessing higher degrees) which are particularly aligned with the growing medical and healthcare research sectors. The degree would also prepare students for a Graduate Entry Medical (GEM) Programme and also other professional training routes such as Physicians Assistants which are slowly growing within the UK. The degree may allow students an alternative route into undergraduate medical training through a competitive process.

In addition, for the 'with Industry' variant:

The 'Year in industry' variant of this programme is offered in accordance with the University's [standard specification for year in industry programme variants](#).

8. Reference points used to inform the programme specification

- QAA Benchmarking Statement
- Framework for Higher Education Qualifications (FHEQ)
- UK Quality Code for Higher Education
- [University Education Strategy](#)
- [University Assessment Strategy](#) [log-in required]
- University of Leicester Periodic Developmental Review Report
- External Examiners' reports (annual)

- United Nations Education for Sustainable Development Goals
- Student Destinations Data

9. Programme Outcomes

Unless otherwise stated, programme outcomes apply to all awards specified in 1. Programme title(s).

a) Discipline specific knowledge and competencies

i) Mastery of an appropriate body of knowledge

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Demonstrate an awareness of the main principles of the central basic medical sciences (to include core anatomy, embryology, physiology, biochemistry, pathology, histology, biochemistry, immunology, microbiology, pharmacology, sociology and psychology), biological sciences and related disciplines and explain their core concepts.	Lectures, group work, tutorials, seminars, practical classes including anatomic dissection, computer classes, discussions, research projects, directed reading, resource- based learning, and private study.	Examination (to include, but not restricted to, synoptic integrated examination) and coursework (e.g. practical reports, written reports, data analysis, oral presentations, group reports, video production, poster production, dissertation).

ii) Understanding and application of key concepts and techniques

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Describe and apply safely appropriate experimental procedures in biological sciences, biomedical sciences and related disciplines. Apply a scientific approach to the solution of problems in the context of the medical and biological sciences and appreciate the rationale of experimental design. Explain related core concepts.	Lectures, group work, tutorials, seminars, practical classes including anatomic dissection, computer classes, discussions, research projects, directed reading, resource- based learning, and private study.	Examination and coursework.

iii) Critical analysis of key issues

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Demonstrate a capacity for critical scientific analysis of issues in the context of the basic medical sciences, biological sciences, and related disciplines.	Lectures, group work, tutorials, seminars, practical classes including anatomic dissection, computer classes, discussions, research projects, directed reading, resource- based learning, and private study.	Examination and coursework.

iv) Clear and concise presentation of material

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Communicate orally and in writing concepts and arguments in basic medical sciences, biological sciences, and related disciplines.	Lectures, group work, tutorials, seminars, practical classes including anatomic dissection, computer classes, discussions, research projects, directed reading, resource- based learning, and private study.	Examination and coursework.

v) Critical appraisal of evidence with appropriate insight

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Demonstrate the capacity to analyse and criticise evidence from both experimental procedures and the literature.	Lectures, group work, tutorials, seminars, practical classes including anatomic dissection, computer classes, discussions, research projects, directed reading, resource- based learning, and private study.	Examination and coursework.

vi) Other discipline specific competencies

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Demonstrate the ability to assimilate, integrate and apply knowledge and skills from the various medical and biomedical sciences to aid in solving clinical and scientific problems.	Group work, tutorials, practical classes	Examination and coursework.

b) Transferable skills

i) Oral communication

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Communicate orally, with clarity and coherence, concepts and arguments in basic medical sciences, biological sciences, and related disciplines.	Tutorials, seminars, practical classes, computer classes, discussions, fieldwork, research projects, group work.	Oral presentations, group reports, tutorials, practical examinations.

ii) Written communication

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Communicate in writing, with clarity and coherence, concepts and arguments in basic medical sciences, biological sciences, and related disciplines.	Tutorials, seminars, practical classes, computer classes, discussions, fieldwork, research projects, group work.	Examination and coursework.

iii) Information technology

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Demonstrate the effective use of IT for accessing databases and scientific literature; manipulating, processing and presenting data; presenting written assignments.	Lectures, tutorials, seminars, practical classes, computer classes, discussions, fieldwork, research projects, group work, directed reading, resource-based learning, and private study.	Examination and coursework.

iv) Numeracy

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Understand and manipulate numerical data, solve problems using a variety of methods and apply numerical and statistical techniques to data analysis.	Lectures, group work, tutorials, seminars, practical classes including anatomic dissection, computer classes, discussions, research projects, directed reading, resource-based learning, and private study.	Examination and coursework.

v) Team working

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Demonstrate the ability to work as part of a group.	Tutorials, group work, research projects.	Group reports (including group research project), use of class data to generate practical reports.

vi) Problem solving

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
<p>Apply a scientific approach to the solution of problems in the context of the medical and biomedical sciences and appreciate the rationale of experimental design.</p> <p>Demonstrate the ability to assimilate, integrate and apply knowledge and skills from the various medical and biomedical sciences to aid in solving clinical and scientific problems.</p>	<p>Lectures, group work, tutorials, seminars, practical classes including anatomic dissection, computer classes, discussions, research projects, directed reading, resource- based learning, and private study.</p>	<p>Examination and coursework</p>

vii) Information handling

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
<p>Demonstrate the capacity to access a variety of resource materials and to analyse evidence from both experimental procedures and the literature.</p>	<p>Lectures, group work, tutorials, seminars, practical classes including anatomic dissection, computer classes, discussions, research projects, directed reading, resource- based learning, and private study.</p>	<p>Examination and coursework</p>

viii) Skills for lifelong learning

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
<p>Demonstrate the acquisition of the skills and attributes necessary for lifelong learning, including: intellectual independence, effective time management, the ability to work as part of a team, the use of IT and the capacity to access and utilise a variety of resource materials.</p>	<p>Lectures, group work, tutorials, seminars, practical classes including anatomic dissection, computer classes, discussions, research projects, directed reading, resource- based learning, and private study.</p>	<p>Examination, coursework, personal development planning.</p>

Year in Industry

For the Year in Industry variant, additional [YI specific programme outcomes](#) also apply

10. Progression points

This programme follows the standard Scheme of Progression set out in [Senate Regulations](#) – see the version of Senate Regulation 5 governing undergraduate programmes relevant to the year of entry.

In cases where a student has failed to meet a requirement to progress he or she will be required to withdraw from the course.

a. Year in Industry

For the Year in Industry variant, additional [YII specific progression points](#) apply.

a) Course transfers

Transfer opportunity to MBChB Year 2

The structure of the Programme allows for the special feature of giving students the opportunity of transferring from the BSc Clinical Sciences (after successful completion of year 1) onto year 2 of the MBChB (A100) degree programme, on the proviso that the MBChB programme has available spaces. Students transferring to year 2 are counted against the year 1 intake in that year.

In order to be considered for transfer to MBChB year 2, students must meet the minimum GCSE and A-level requirements for transfer and achieve an overall credit-weighted average of >70% in their year 1 assessments. They must also take and achieve a satisfactory score in the Universities Clinical Aptitude Test (UCAT). The transfer process is competitive and applications will be scored alongside application from those applying to transfer to year 1 from other programmes. Students selected for interview and conditionally offered a place will have to pass the MBChB year 1 written and IUA assessment taken in the summer re-sit period. This is to ensure they meet the criteria for progression to year 2, as the exam structures are different between the two programmes.

In addition, students must successfully complete the other components of the entry requirements to the MBChB (A100) course some of which are regulatory requirements of the General Medical Council i.e. they must undertake a Multiple Mini Interview as well as obtain satisfactory occupational health and Disclosure and Barring Service (DBS) clearances.

11. Criteria for award and classification

This programme follows the standard scheme of undergraduate award and classification set out in [Senate Regulations](#) – see the version of *Senate Regulation 5 governing undergraduate programmes* relevant to the year of entry.

12. Special features

Year In Industry Opportunity

The University recognises that undertaking a work placement as part the programme of study can enhance career prospects and provide added value, and as such this programme includes a 'year in industry' variant. By experiencing real-world scenarios and applying skills and knowledge to a professional environment, students can gain a unique insight into how their studies can be utilised in industry. This will not only showcase your abilities to future employers but will also enhance your studies upon returning to University to complete your programme. To understand the special features for Year in Industry undergraduate programme variants, this programme specification should be read in conjunction with the [YII programme specification content](#); this outlines details including programme aims, support, progression and duration.

13. Indications of programme quality

External examiner evaluations

14. External Examiner(s) reports

The details of the External Examiner(s) for this programme and the most recent External Examiners' reports for this programme can be found at exampapers@Leicester [log-in required]

Programme Specification (Undergraduate)

FOR ENTRY YEAR: 2024/25

Date created: 20/12/2023

Last amended: 17/06/2024

Version no. 1

Appendix 1: Programme structure (programme regulations)

The University regularly reviews its programmes and modules to ensure that they reflect the current status of the discipline and offer the best learning experience to students. On occasion, it may be necessary to alter particular aspects of a course or module.

BSc Clinical Sciences

Level 4/Year 1 2024/25

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	60 credits	30 credits	30 credits

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS1081	Molecular and cellular sciences	30 credits
Year long	BS1082	Applied medical and biological sciences 1	30 credits
Sem 2	BS1083	Body Systems 1	30 credits
Year long	BS1084	Applied medical and biological sciences 2	30 credits

Notes

*The Leicester Award is embedded within the Health Enhancement Programme (HEP) that students will complete during Year 1

Level 5/Year 2 2025/26

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	60 credits

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS2181	Body Systems 2	30 credits
Sem 1	BS2082	Body systems and applied medical and biological sciences 3	30 credits
Sem 2	BS2083	Body systems 4	30 credits
Sem 2	BS2084	Applied medical and biological sciences 4	30 credits

Notes

BS2082 contains the Leicester Gold Award

Level 6/Year 3 2026/27

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	Choose an item.	60 credits	60 credits

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS3081	Public Health	30 credits

Delivery period	Code	Title	Credits
Sem 1	BS3082	Cardiovascular and Renal Precision Medicine	30 credits
Sem 2	BS3083	Respiratory and Cancer Precision Medicine	30 credits
Sem 2	BS3084	Research Project	30 credits

Notes

N/A

Appendix 2: Module specifications

See undergraduate [module specification database](#) [log-in required] (Note - modules are organized by year of delivery).