University of Kent

Biosciences at Kent

Dr Richard Williamson

Senior Lecturer and UG Admissions Officer

Stand for ambition

Kent.ac.uk

The School of Biosciences

- Large School, currently 684 UG and 145 PG students
- We teach 3 undergraduate degrees:
  - **Biochemistry BSc (Hons)**
  - **Biology BSc (Hons)**
  - **Biomedical Science BSc (Hons)**
- All available as 4-year courses with:
  - **Foundation Year**
  - **Year in Professional Practice**
  - **Year Abroad**

The Offer and Student Numbers

- **For stage 1 entry:** offers equivalent to **BBB** at A-level including biology (all courses) and chemistry (for biochemistry).
- **For stage 0 entry (Foundation Year):** offers equivalent to **CDD** at A-level including a science subject.
- Approximately **240** places available for **2025 entry**.
- Biomedical Science is our most popular degree. About 160 students will enter to study Biomedical Science, 40 for Biochemistry and 40 for Biology.

Foundation Year (integrated 4-year programme)

- New programme launched in September 2022. Taught by the academic Schools on the Canterbury campus.
- Designed to build confidence and to develop the core subject, practical and study skills.
- Provides flexibility – on successful completion students can change to any of the courses offered by Sport & Exercise Science, Chemistry and Forensic Science.

Yr in Professional Practice/ Yr Abroad

- Provides a unique experience that is very attractive to subsequent employers.
- Work placements can be in industry, the NHS or research institutes.
- Year Abroad exchanges with universities in the USA, Canada, Australia, Finland, France, Netherlands, Singapore, South Korea and Taiwan.
- Separate UCAS codes but transfer onto these 4-year courses possible during Year 1 or at the beginning of Year 2.

Lonza MSD gsk GlaxoSmithKline

"Taking a Year in Professional Practice was the best decision I made. It gave me a great insight into the pharmaceutical industry and helped me decide what I want out of a career. It helped me to stand out when applying for jobs. Plus, I made some great friends!"

HOLLY

Professional Accreditation

- All our degrees are accredited by the **Royal Society of Biology**. Degrees with a **Year in Professional Practice** have **Advanced Accreditation**
- Our Biomedical Science Programme **also** has accreditation from the **Institute of Biomedical Science**, the professional body that looks after the career Biomedical Scientist within the NHS

Royal Society of Biology
Accredited Degree

All our degrees

Royal Society of Biology
Advanced Accredited Degree

All our 4-yr **Professional Practice degrees**

ACCREDITED IBMS PROGRAMME

All our **Biomedical Science** degrees

Modernising our Education

- Kent has just completed a full review of all its courses and teaching practices for implementation in **September 2025**. The changes include:
- Moving to a **10/10/10 week structure**. Students will study two modules per term and six modules per year. All assessments will be in the same term as the teaching
- Wider range of assessment types that **prepare students for employment or further study**
- **Less exam assessments** and more emphasis on coursework (proportion of degree assessed by exam: Biomedical Science 28%, Biochemistry 20%, Biology 4%)
- **More time** for the final year **Research Project**. This "**cap-stone**" experience allows the students to get involved in the research taking place within the School
- Five different projects types available:
  - **Lab**
  - **Computing**
  - **Dissertation**
  - **Communication**
  - **Business**

Biomedical Science

Full module details can be seen on-line. Use the **Course Finder** directly from the home page (www.kent.ac.uk)

Stage 1
- The Molecules of Life
- Introduction to Experimental Techniques and Data Analysis
- Human Anatomy and Physiology
- Biomedical Science Practice
- Advancing Experimental Techniques and Data Analysis
- From Cells to Evolution

Stage 2
- Molecular Genetics
- Developing as an Independent Scientist
- Immunology
- Clinical Diagnostics
- Drugs and Disease
- The Microbial World
- Neuroscience

Yr in Professional Practice or Yr Abroad

Stage 3
- Pathogens & Disease
- Haematology and Blood Transfusion
- Research Project (double module)
- Frontiers in Virology and Immunology
- Cancer Biology and Therapy
- Applied Bioinformatics and Genomics
- Biology of Aging
- Science Communication & Public Engagement
- New Enterprise Development

Compulsory modules in black, optional modules in red

Biochemistry

Full module details can be seen on-line. Use the **Course Finder** directly from the home page (www.kent.ac.uk)

Stage 1
- The Molecules of Life
- Introduction to Experimental Techniques and Data Analysis
- Human Anatomy and Physiology
- The Chemistry of Life
- Advancing Experimental Techniques and Data Analysis
- From Cells to Evolution

Stage 2
- Molecular Genetics
- Developing as an Independent Scientist
- The Microbial World
- Cellular Organization and Processes
- Metabolism and Metabolic Regulation
- Neuroscience
- Immunology

Yr in Professional Practice or Yr Abroad

Stage 3
- Proteins: Structure, Function and Analysis (double module)
- Research Project (double module)
- Frontiers in Virology and Immunology
- Cancer Biology and Therapy
- Applied Bioinformatics and Genomics
- Biology of Aging
- Science Communication & Public Engagement
- New Enterprise Development

Compulsory modules in black, optional modules in red

Biology

Full module details can be seen on-line. Use the **Course Finder** directly from the home page (www.kent.ac.uk)

Stage 1
- The Molecules of Life
- Introduction to Experimental Techniques and Data Analysis
- Human Anatomy and Physiology
- Diversity of Life
- Advancing Experimental Techniques and Data Analysis
- From Cells to Evolution

Stage 2
- Molecular Genetics
- Developing as an Independent Scientist
- Animal Form and Function
- Applied Ecology and Conservation
- Plant Biology
- The Microbial World
- Neuroscience

Yr in Professional Practice or Yr Abroad

Stage 3
- Future Outlooks in Biology (double module)
- Research Project (double module)
- Frontiers in Virology and Immunology
- Cancer Biology and Therapy
- Applied Bioinformatics and Genomics
- Biology of Aging
- Evolutionary Ecology and Conservation Genetics
- Science Communication & Public Engagement
- New Enterprise Development

Core modules in black, optional modules in red

What Can Students Expect?

- Modern courses informed by research and collaboration with industry
- ~ 8 hours lectures per week
- ~ 60 hours labs per year (180 hours at stage 3)
- Additional workshop, problem solving, seminar and small group tutorial sessions
- Online learning platform (Moodle) used to ensure easy access to lecture slides, quizzes, videos, further reading, feedback on submitted work, *etc.*
- Lecture recording
- 1-to-1 Academic Advisor support and progression monitoring
- Dedicated wellbeing and Student Support team
- Well-equipped teaching laboratories
- **A diverse, engaged and ambitious study community**

Employability

- Key employability skills are embedded into every module and course.
- We work closely with the Careers and Employability Service to ensure a high level of support and guidance.
- Ranked **5th in the UK** for **Graduate Prospects** in the ***Complete University Guide 2021***
- The latest **Graduate Outcomes Survey** shows that:
  - **91% of our graduates are in work or further study 15 months after graduation**
  - **70% are in highly skilled or professional work**

  (Data for Biomedical Science)

Hana - graduated with a Biology degree in 2017. Now working at AstraZeneca.

The Opinion of our Students

- Excellent record in the **National Student Survey**
- In 2024, high satisfaction (positivity) for:

  Teaching on my course – 79.3%
  Academic Support - 77.1%
  Learning Resources - 83.0%

> *Teaching staff are amazing and very supportive. Mental health and student support team are incredible.*"

> *Exceptionally friendly, helpful and engaging staff who are willing to give up their time to answer questions and seem to genuinely care about the students' education and wellbeing.*"

- Ranked 21st out of 94 universities for **Student Satisfaction** in the Complete University Guide 2025 (Biological Sciences subject group)

Our Research

- Understanding the systems and processes in living cells.
- Main research areas include cancer biology, infectious and genetic diseases, reproductive medicine, cell architecture and dynamics, bioprocessing, synthetic biology, ageing and agritech.
- Over £10.4 million in Research Grant income in the last financial year.
- Research activity is important for:
  - well-equipped laboratories
  - exciting final year projects
  - a stimulating and forward-looking culture

REF results: Biological Sciences

REF2021 Research Excellence Framework

Rank	Institution	FTE entered	GPA
1	Institute of Cancer Research	32	3.77
2	University of Dundee	72	3.7
3	University of Cambridge	246	3.61
4	University of Sheffield	78	3.59
5	University of Oxford	309	3.56
5	University of Manchester	143	3.56
7	University of Edinburgh	139	3.54
8	University of Bristol	71	3.53
9	University of York	69	3.5
10	Imperial College London	92	3.47
11	UCL (joint with Birkbeck)	170	3.44
11	Birkbeck (joint with UCL)	26	3.44
11	Inst. Zoology (joint Birkbeck and UCL)	24	3.44
14	Newcastle University	57	3.39
14	University of Glasgow	34	3.39
16	University of Birmingham	61	3.38
17	University of East Anglia	73	3.36
18	University of Southampton	46	3.32
19	University of Exeter	99	3.31
20	Cardiff University	95	3.3
20	University of Leicester	60	3.3
22	University of Sussex	64	3.28

Rank	Institution	FTE entered	GPA
22	Queen Mary University of London	53	3.28
24	University of Leeds	85	3.27
25	University of Kent	29	3.24
26	University of Nottingham	94	3.23
27	University of Warwick	62	3.22
27	University of St Andrews	59	3.22
29	University of Bath	46	3.2
29	King's College London	31	3.2
31	Royal Holloway, University of London	28	3.16
32	Durham University	49	3.14
33	University of Essex	46	3.07
34	Keele University	19	3.03
35	Oxford Brookes University	43	3.01
36	University of Aberdeen	17	2.97
37	University of Reading	16	2.8
38	University of Huddersfield	30	2.69
39	Sheffield Hallam University	34	2.52
40	Edge Hill University	10	2.45
41	Canterbury Christ Church University	20	2.33
42	University of Northampton	9	2.21
43	University of Worcester	13	2.06
44	University of Chester	15	2.05

Kent ranked **25th overall** and **2nd for Research Impact**

THE TIMES HIGHER EDUCATION

Why come to Kent?

- Student satisfaction
- Excellent research-led teaching
- Modern courses, facilities and teaching practices
- Accredited programmes
- Supportive and enthusiastic staff
- A beautiful campus and location
- Excellent sport and social life
- Outstanding job prospects

For more information contact:
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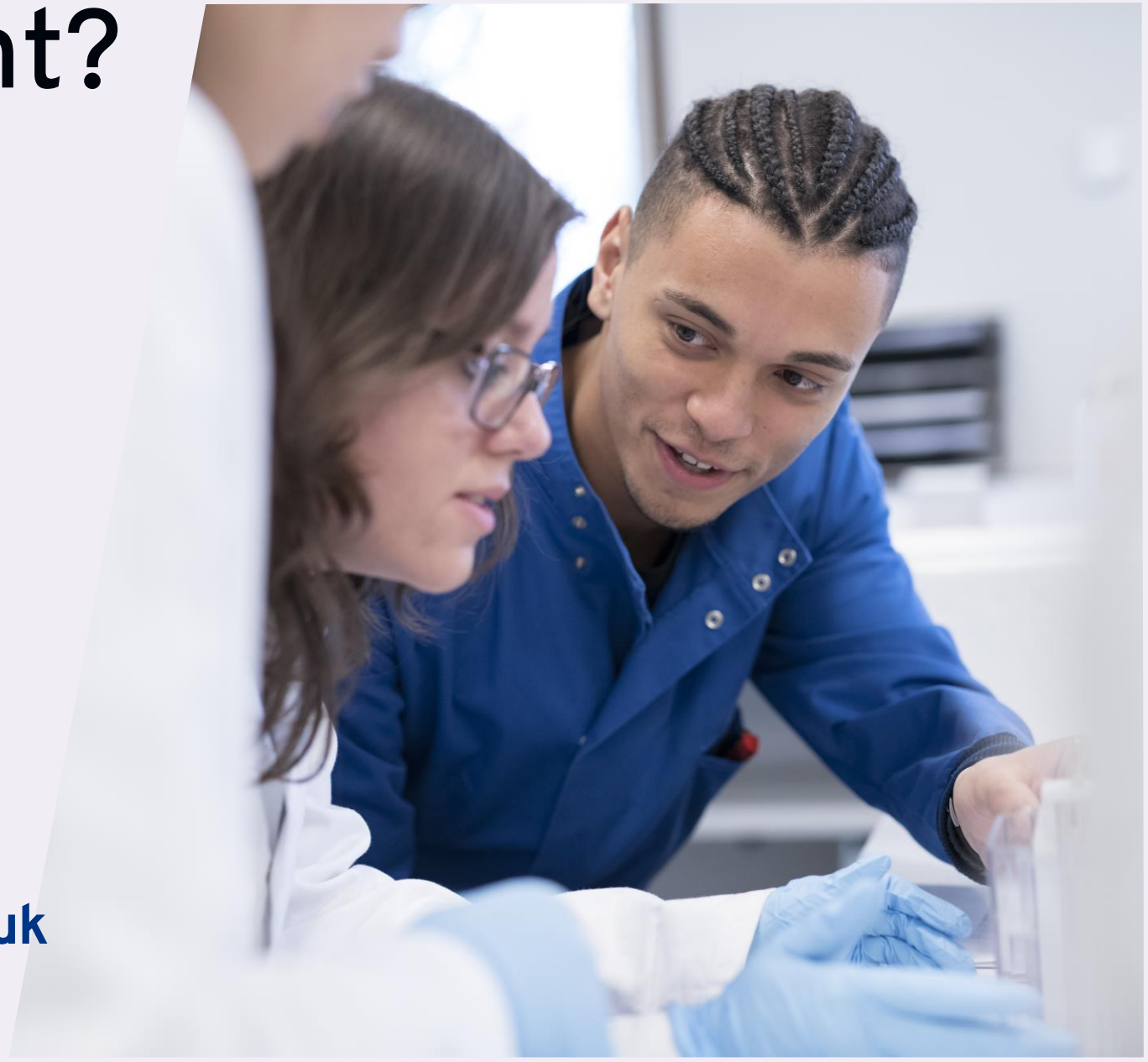

University of Kent

Questions?

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Sandwich Year / Year Abroad placements

Recent sandwich placements include:

MedImmune (Cambridge)
GlaxoSmithKline (Stevenage/Worthing)
Health Protection Agency (London)
MRC (London)
Eli Lilly (Surrey)
Sekisui Diagnostics (West Malling)
BASF (Suffolk)
Aesica Pharmaceuticals (Queenborough)
Lonza Biologics (Slough)
The Bridge Centre (London)
East Malling Research (EMR)

For most up-to-date list of Year Abroad placement see:

http://www.kent.ac.uk/goabroad