UNIVERSITY OF WOLVERHAMPTON

Course Specification

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Core Information

Awarding Body / Institution:	University of Wolverhampton		
School / Institute:	School of Pharmacy and Life Sciences		
Course Code(s):	BM057H01UM BM057H31UM	Full-time Part-time	3 Years 6 Years
UCAS Code:	B990		
Course Title:	BSc (Hons) Biomedical Science		
Hierarchy of Awards:	Bachelor of Science with Honours Biomedical Science Bachelor of Science Biomedical Science Diploma of Higher Education Biomedical Science Certificate of Higher Education Biomedical Science		
Language of Study:	English		
Date of first cohort:	14/Sep/2026		
Specification valid from:	2025/6		

Academic Staff

Course Leader:	Dawn Jones
Head of Department:	Dr Gillian Conde

Course Information

Location of Delivery:	University of Wolverhampton
Category of Partnership:	Standard Provision (Not delivered in partnership)
Teaching Institution:	University of Wolverhampton
Open / Closed Course:	This course is open to all suitably qualified candidates.

Entry Requirements:

Entry requirements are subject to regular review. The entry requirements applicable to a particular academic year will be published on the University website (and externally as appropriate e.g. UCAS

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• GCSE English and Maths at grade C+/4 or above

Plus Either

• A Level minimum of AA or CCC to include at least one science subject preferably Biology

• Access to HE with 60 total credits, 45 level 3 credits, 36 of these must be in Science, of which 27 will be passed with minimum Merit.

• BTEC Level 3 Extended Diploma in Applied Science grade MMM or BTEC National Diploma grade DD. If you've got other qualifications or relevant experience, please contact The Gateway for further advice before applying.

• International entry requirements and application guidance can be found here

• Successful completion of the International Foundation Year in Science and Engineering guarantees entry on to this course.

Distinctive Features of the Course:

The BSc (Hons) Biomedical Science degree at the University of Wolverhampton offers a dynamic and supportive learning environment where you'll study alongside students from a range of health-related disciplines. This creates a collaborative space where you can share ideas, explore different perspectives, and learn from others with varied interests in medicine and healthcare.

If you're curious about how the human body works and how diseases are diagnosed using cutting-edge lab technologies, this course is a great fit. You'll be taught by expert staff who are actively involved in research across areas like diabetes, cancer, microbiology, physiology, and molecular medicine. Their close links with local NHS hospitals ensure that what you learn is directly relevant to current medical practice.

In your final year, you'll carry out your own research project, supported by experienced academics. You'll have access to high-quality lab equipment and facilities to study cells, proteins, and bacteria, giving you valuable hands-on experience. Throughout the course, you'll develop a wide range of skills that employers are looking for, including scientific thinking, lab techniques, disease diagnosis, and clear scientific communication.

This degree opens a variety of career paths. You could become a trainee Biomedical Scientist, pursue fast-track routes into medicine, or work in roles such as medical sales representative, food technologist, or industrial microbiologist. Some graduates also choose careers outside of science, using their transferable skills in other sectors.

Biomedical science is a constantly evolving field with long-term career options in research, teaching, lab work, and healthcare management. In the UK, biomedical scientists work in NHS and private labs, as well as organisations like the National Blood Authority and the Medical Research Council. Others find

roles in forensic labs, veterinary services, pharmaceutical companies, universities, the armed forces, and government departments.

There are also opportunities to work internationally, applying your skills in global health projects through organisations such as the World Health Organization and Voluntary Service Overseas. The degree is respected both in the UK and abroad, and the skills you gain are recognised worldwide.

As part of your course, you'll complete the University's Enterprise and Employability Award, helping you build and showcase your skills and experience to future employers.

Educational Aims of the Course:

Intakes:

September

January

Major Source of Funding:

Office for Students (OFS)

Tuition Fees:

Tuition fees are reviewed on an annual basis. The fees applicable to a particular academic year will be published on the University website.

Year	Status	Mode	Amount
2025/6	H	Full Time / Sandwich	£9535.00
2025/6	Overseas	Full Time / Sandwich	£17000.00
2025/6	H	Part Time	£4768.00
2026/7	H	Full Time / Sandwich	£9790.00
2026/7	Overseas	Full Time / Sandwich	£18700.00
2026/7	H	Part Time	£4895.00

PSRB:

BM057H01UM (Full-time)

Professional Accreditation Body:
Institute of Biomedical Science (IBMS)

Accrediting Body:
Institute of Biomedical Science (IBMS)

Accreditation Statement:
Accredited by the Institute of Biomedical Science (IBMS).

Approved	Start	Expected End	Renewal
21/Oct/2019	21/Oct/2019	20/Oct/2023	30/Dec/2025

BM057H31UM (Part-time)

Professional Accreditation Body:
Institute of Biomedical Science (IBMS)

Accrediting Body:
Institute of Biomedical Science (IBMS)

Accreditation Statement:
Accredited by the Institute of Biomedical Science (IBMS).

Approved	Start	Expected End	Renewal
21/Oct/2019	21/Oct/2019	20/Oct/2023	30/Dec/2025

Course Structure:

January (Full-time)

Full time and Sandwich Undergraduate Honours students normally study 120 credits per academic year; 60 credits semester 1 and 60 credits semester 2.

Part time students study alongside full time students. However, they do not study more than 90 credits in each academic calendar year.

Module	Title	Credits	Period	Type
4BM043	Introduction to Human Anatomy and Physiology	30	SEM2	Core
4BM044	Infection and Immunity	30	SEM2	Core
4BM041	Succeeding at University in Medical Sciences	30	CRYRA	Core

January (Full-time)

Full time and Sandwich Undergraduate Honours students normally study 120 credits per academic year; 60 credits semester 1 and 60 credits semester 2.

Part time students study alongside full time students. However, they do not study more than 90 credits in each academic calendar year.

Module	Title	Credits	Period	Type
4BM042	Molecular and Cell biology	30	SEM1	Core

January (Full-time)

Full time and Sandwich Undergraduate Honours students normally study 120 credits per academic year; 60 credits semester 1 and 60 credits semester 2.

Part time students study alongside full time students. However, they do not study more than 90 credits in each academic calendar year.

Module	Title	Credits	Period	Type
5BM096	Disease Detection and Monitoring	30	SEM2	Core
5BM093	Diagnostic Pathways	30	SEM2	Core
5BM088	Professional Development in Medical Sciences	30	CRYRA	Core

January (Full-time)

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Part time students study alongside full time students. However, they do not study more than 90 credits in each academic calendar year.

Module	Title	Credits	Period	Type
5BM095	Haematology and Transfusion Science	30	SEM1	Core

January (Full-time)

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Module	Title	Credits	Period	Type
6BM074	Integrated Pathobiology	30	SEM2	Core
6BM073	Microbiology and Public Health	30	SEM2	Core
6BM067	Research Project	30	CRYRA	Core

January (Full-time)

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Part time students study alongside full time students. However, they do not study more than 90 credits in each academic calendar year.

Module	Title	Credits	Period	Type
6BM068	Molecular Cell Pathology	30	SEM1	Core

September (Full-time)

Full time and Sandwich Undergraduate Honours students normally study 120 credits per academic year; 60 credits semester 1 and 60 credits semester 2.

Part time students study alongside full time students. However, they do not study more than 90 credits in each academic calendar year.

Module	Title	Credits	Period	Type
4BM042	Molecular and Cell biology	30	SEM1	Core
4BM043	Introduction to Human Anatomy and Physiology	30	SEM2	Core
4BM044	Infection and Immunity	30	SEM2	Core
4BM041	Succeeding at University in Medical Sciences	30	YEAR	Core

September (Full-time)

Full time and Sandwich Undergraduate Honours students normally study 120 credits per academic year; 60 credits semester 1 and 60 credits semester 2.

Part time students study alongside full time students. However, they do not study more than 90 credits in each academic calendar year.

Module	Title	Credits	Period	Type
5BM095	Haematology and Transfusion Science	30	SEM1	Core
5BM096	Disease Detection and Monitoring	30	SEM2	Core
5BM093	Diagnostic Pathways	30	SEM2	Core
5BM088	Professional Development in Medical Sciences	30	YEAR	Core

September (Full-time)

Full time and Sandwich Undergraduate Honours students normally study 120 credits per academic year; 60 credits semester 1 and 60 credits semester 2.

Part time students study alongside full time students. However, they do not study more than 90 credits in each academic calendar year.

Module	Title	Credits	Period	Type
6BM068	Molecular Cell Pathology	30	SEM1	Core
6BM074	Integrated Pathobiology	30	SEM2	Core
6BM073	Microbiology and Public Health	30	SEM2	Core
6BM067	Research Project	30	YEAR	Core

Please note: Optional modules might not run every year, the course team will decide on an annual basis which options will be running, based on student demand and academic factors, to create the best learning experience.

Learning, Teaching and Assessment

Regulations Exemption:

Section 1.2.8 - Exemption to permit less than 33% differentiation between two named specialist degree programmes, BSc (Hons) Biomedical Science and BSc (Hons) Applied Biomedical Science, in order to enable both to meet Professional Body (IBMS) requirements.

Section 4.2.1 - Exemption in accordance with competency requirements stipulated by Professional Body (IBMS) requirements. All pieces of summative assessment should be components and must achieve a passing grade on clinical specialism modules (including Haematology & Transfusion Science, Disease Detection & Monitoring, Diagnostic Pathways, Integrated Pathobiology, Molecular Cell Pathology, Microbiology & Public Health and the Research Project).

Section 4.6.2 - Exemption in accordance with Professional Body (IBMS) requirements. Compensation will not be permitted for any clinical specialism modules (including Haematology & Transfusion Science, Disease Detection & Monitoring, Diagnostic Pathways, Integrated Pathobiology, Molecular Cell Pathology, Microbiology & Public Health and the Research Project).

Reference Points:

UK Quality Code for Higher Education

Qualifications and Credit Frameworks

https://www.ibms.org/resource/bsc-reaccreditation-guidance-from-sept-2025.html

Subject Benchmark Statement - Biomedical Science and Biomedical Sciences

University Policies and Regulations

Equality Act 2010: guidance - GOV.UK

Overview of Assessment:

As part of the course approval process, the course learning outcomes were mapped to each of the modules forming the diet of the programme of study. This process confirmed that all course learning outcomes can be met through successful completion of the modules. This mapping applies to the final award as well as to all of the intermediate awards.

Learning Outcomes	Modules
CERTHE01 Demonstrate knowledge of the underlying concepts, theories and principles associated with your area(s) of study (Knowing).	
CERTHE02 Evaluate, interpret and apply data, to develop ideas and discussion in your subject(s) of study (Knowing).	
CERTHE03 Use different approaches to solving problems related to your area(s) of study (Doing).	
CERTHE04 Communicate the results of your study/work accurately and reliably, and with structured and coherent arguments (Doing).	
CERTHE05 Effectively communicate information, arguments and analysis in a variety of forms to specialist and non-specialist audiences (Being).	
CERTHE06 Identify personal qualities and transferable skills necessary for further study and/or employment (Being).	
DIPHE01 Demonstrate knowledge and application of the concepts and principles of your area(s) of study (Knowing).	
DIPHE02 Demonstrate the application of those principles in an employability and/or professional practice context (Knowing).	
DIPHE03 Identify and use methods of enquiry in the subject(s) and evaluate the appropriateness of different approaches to solving problems in study (Doing).	
DIPHE04 Use a range of new and established techniques to explore and critique data and sources of information, to solve problems within your subject (Doing).	
DIPHE05 Effectively communicate information, arguments and analysis in a variety of forms to specialist and non-specialist audiences (Being).	
DIPHE06 Show personal responsibility and decision-making to developing existing skills and acquire new competences that will enable you to reach your employability goals (Being).	

Learning Outcomes	Modules
BHONSN01 Demonstrate critical understanding of core biomedical science principles, including the interpretation of clinical and near-patient test results, and the integration of biological knowledge into healthcare and diagnostic contexts (Knowing).	
BHONSN02 Critically evaluate scientific literature and guiding principles, applying evidence-based reasoning to assess the significance, reliability, and impact of biomedical research within clinical and global health settings (Knowing).	
BHONSN03 Apply technical, analytical, and research skills in biomedical contexts, including experimental design, data analysis, and scientific communication, with awareness of quality assurance and regulatory standards (Doing).	
BHONSN04 Engage with emerging technologies and digital tools, including artificial intelligence, to critically assess their applications in biomedical education, diagnostics, and research, and evaluate their ethical and professional implications (Doing).	
BHONSN05 Academic and Professional Conduct, demonstrate professionalism, integrity, and inclusive practice in academic and laboratory settings, adhering to ethical principles and quality standards relevant to biomedical science (Being).	
BHONSN06 Reflect on personal and professional development needs, planning for lifelong learning and career progression within biomedical science, and recognising the importance of adaptability, resilience, and self-awareness in professional practice (Being).	
BHONS01 Demonstrate critical understanding of core biomedical science principles, including the interpretation of clinical and near-patient test results, and the integration of biological knowledge into healthcare and diagnostic contexts (Knowing).	
BHONS02 Critically evaluate scientific literature and guiding principles, applying evidence-based reasoning to assess the significance, reliability, and impact of biomedical research within clinical and global health settings (Knowing).	
BHONS03 Apply technical, analytical, and research skills in biomedical contexts, including experimental design, data analysis, and scientific communication, with awareness of quality assurance and regulatory standards (Doing).	
BHONS04 Engage with emerging technologies and digital tools, including artificial intelligence, to critically assess their applications in biomedical education, diagnostics, and research, and evaluate their ethical and professional implications.(Doing).	
BHONS05 Academic and Professional Conduct, demonstrate professionalism, integrity, and inclusive practice in academic and laboratory settings, adhering to ethical principles and quality standards relevant to biomedical science.(Being).	

Learning Outcomes	Modules
BHONS06 Reflect on personal and professional development needs, planning for lifelong learning and career progression within biomedical science, and recognising the importance of adaptability, resilience, and self-awareness in professional practice (Being).	

Teaching, Learning & Assessment Strategy/(Learning and Teaching):

The Biomedical Science course at the University of Wolverhampton is designed to support your development from day one, using a scaffolded approach that gradually builds your confidence and skills. You'll start with foundational learning activities such as lectures, demonstrations, and structured lab exercises that introduce key scientific concepts. Tutorials—both in small groups and one-to-one—give you space to ask questions, reinforce your understanding, and receive personalised support. You'll also begin developing independent learning habits through guided study and literature appraisal.

As you progress, the course introduces more complex tasks that challenge you to apply your knowledge in practical and meaningful ways. You'll take part in problem-based learning, case studies, and individual or group research projects that encourage critical thinking and collaboration. You'll also work on portfolio building, data interpretation, and project work that bring together multiple skills and promote deeper learning.

Learning is delivered through a blend of face-to-face and digital formats. You'll attend seminars, workshops, and lab sessions that offer hands-on experience and peer interaction, while online components through Canvas provide flexible access to resources, activities, and support. This hybrid model is designed to suit different learning styles and schedules, making the course inclusive and accessible. Interactive tools, discussion boards, and multimedia content help keep you engaged and connected.

Throughout the course, you'll develop a wide range of academic and professional skills. Group work and seminars build your communication and teamwork abilities, while structured assignments and reflective writing strengthen your critical thinking and academic writing. Digital literacy is embedded through Canvas-based activities, electronic learning, and data analysis tasks. Tutorials and workshops offer targeted support to help you grow in confidence and capability.

You'll also create personal development plans and build a portfolio that encourages reflection and helps you track your progress. Real-world experiences are integrated through placement opportunities, live briefs, and case studies that simulate professional challenges. You'll apply your academic knowledge in practical settings and evaluate your experiences through reflective practice. Digital fluency is a key part of the course. You'll learn to navigate online platforms, handle data ethically, and use digital tools for presentations and research. You'll also explore responsible use of AI and data privacy, preparing you to be a thoughtful and capable professional in a tech-driven world.

Assessment Methods/Assessments:

Assessment on the Biomedical Science course at the University of Wolverhampton is designed to support your learning, showcase your strengths, and prepare you for the demands of both academic study and professional practice. You'll experience a wide range of assessment types, including written exams, coursework, and practical tasks, which means you're not relying on just one format to demonstrate your abilities. This variety helps spread your workload across the semester and gives you the chance to develop skills in academic writing, lab work, and digital literacy.

You'll complete tasks like quizzes, reports, portfolios, and presentations—some short-term, others more in-depth—so you can manage your time effectively and build confidence as you go. Early in each module, you'll have access to formative assessments such as draft submissions, peer-reviewed presentations, and quizzes. These are designed to help you understand expectations, refine your work, and receive feedback before final grades are awarded. Tutorials and seminars also offer space to discuss ideas and get guidance on your progress.

As you move through the course, assessments become more challenging and rewarding. You'll write essays and reports that require structured arguments and critical thinking, tackle case studies and project work that apply your scientific knowledge to real-world problems, and complete lab-based tasks that test your ability to interpret results and use evidence effectively. In your final year, you'll carry out an extended research project or dissertation, giving you the chance to explore a topic in depth and demonstrate independent inquiry.

Inclusivity is built into the assessment process. You'll encounter a mix of written, oral, practical, and digital formats, with clear marking criteria and guidance available on Canvas and in class. Support is always available through one-to-one tutorials, academic skills workshops, and assistive technologies.

You'll have opportunities to personalise your assessments by choosing topics that reflect your interests or career goals. Tasks like CV writing, poster presentations, and video submissions mirror professional formats, while practice-based research and lab assessments prepare you for the expectations of the biomedical science workplace. These experiences help you connect your academic work to your future career and build the confidence to succeed beyond university.

Further Information for Student:

Starting university can feel like a big leap, but the Biomedical Science course at the University of Wolverhampton is designed to help you settle in with confidence. In your first year at Level 4, you'll begin with core subjects like human biology, cell biology, and microbiology. These modules give you a strong foundation in science and help you build the skills you'll need throughout your degree. Learning is interactive and engaging, with quizzes, case studies, and group activities that make it easier to connect with the material and with your classmates.

Assessment is designed to help you grow. You'll complete a mix of formative and summative tasks, with early assignments giving you feedback that doesn't count toward your final grade. These are great opportunities to learn from mistakes and build confidence before major submissions. Tutors also run sessions to explain assessment briefs clearly, and feedback is always constructive and timely, helping you improve with each step.

Your feedback matters too. The university regularly gathers student input through surveys and evaluations, and recent changes have been made to improve communication, clarify assessment expectations, and show how your feedback is being used. Staff work closely with student representatives to make meaningful changes, ensuring your learning experience continues to evolve in response to your needs.

The University provides a wide range of academic and pastoral support to help students succeed in their studies and personal development. This includes access to the Library and Skills for Learning service, student success coaching for students in their early stages, and tailored advice from the Careers and Enterprise teams. Students also benefit from 24/7 wellbeing support through WLV Student Life Connect, pastoral care via the Multi-faith Chaplaincy, and assistance from the Mental Health and Wellbeing team. Support is also available for accessibility, disability and inclusion, financial hardship, safeguarding and support to study. Those living in university accommodation have additional access to Residential Life support, and all students can engage with the Students' Union for advocacy, societies, and further peer-led services.

Currency:

The Biomedical Science course at the University of Wolverhampton is built to be flexible, responsive, and closely aligned with the latest developments in science and healthcare science. You'll be taught by research-active staff who continuously update lectures and learning materials to reflect new discoveries, emerging theories, and current global health challenges. Seminars and tutorials often include recent publications and clinical developments, while Canvas-based resources allow new content—like journal articles, videos, and discussion prompts—to be added quickly and easily. This means your learning stays current and relevant throughout your degree.

You'll engage with research from the start. Lecturers bring their own studies into teaching, giving you insight into real-world investigations and methodologies. You'll learn to critically evaluate sources through literature appraisal, project work, and your final-year dissertation. Seminars and tutorials encourage discussion around current research, and you may even have the chance to contribute to staff-led projects or explore topics that align with your tutors' expertise.

Real-world relevance is woven into the curriculum. You'll tackle global health challenges through problem-based learning and case studies and explore ethical and sustainability issues in your project work. Reflective practice and personal development planning help you think about your role in society and the impact of your work. You'll also complete enterprise-focused tasks like poster presentations and CV writing, which build your professional awareness and creativity.

Graduate attributes are embedded across the course. You'll become a global citizen by engaging with international research and ethical debates and develop deep subject knowledge through a curriculum grounded in theory and practical skills. Group work, placements, and presentations help you grow as a professional, while digital fluency is built through Canvas activities, data analysis software, and digital submission formats. You'll also explore responsible use of AI and data privacy in seminars and problem-solving tasks.

The course encourages interdisciplinary and lifelong learning. You'll collaborate with students from other health science disciplines, explore links between immunology, clinical practice, and public health, and use digital tools to support independent study. Portfolio building and reflective tasks help you track your growth and set future learning goals, preparing you to thrive in a fast-changing professional landscape.

Personalisation Opportunities:

Throughout your Biomedical Science degree at the University of Wolverhampton, you'll have plenty of opportunities to shape your learning around your own interests and goals. Many modules are designed to be flexible, giving you options in how you engage with the content. You might choose a case study to analyse, a disease pathway to explore, or decide how to present your findings—whether through a report, presentation, or lab investigation. You'll also take part in interactive sessions and use digital resources on Canvas, which allow you to learn at your own pace and revisit materials whenever you need to.

In your final year, you'll carry out an Honours Research Project where you choose a topic that excites you—whether that's genetics, microbiology, immunology, or another area that connects with your career ambitions or personal experiences. It's a chance to explore something meaningful in depth, with expert guidance from your tutors.

As you move through the course, academic tutors will help you make informed choices about optional modules and placements. You'll get advice on how different modules link to careers in the NHS, research, pharmaceuticals, or further study such as medicine or postgraduate degrees. Career support is built into the course, and you'll also have access to the university's Careers and Workplace team for help with CVs, interview preparation, and job searching.

Inclusivity is a key part of the learning experience. The course includes diverse case studies and global health perspectives, helping you understand how diseases affect different populations and how cultural factors shape healthcare delivery. Initiatives like Inclusivity Matters and the Race Equality Charter ensure that teaching reflects the lived experiences of all students.

You'll be encouraged to reflect on your progress throughout the course. Feedback, tutorials, and your final-year project all support this, helping you identify your strengths and areas for development. You'll also have access to tools like the Individual Learner Profile and Skills for Learning workshops, which support both your academic and personal growth.

This is a course that grows with you—helping you build confidence, explore your interests, and prepare for a future in science, healthcare, or beyond.

Employability in the Curriculum/Employability and Professional Development:

The Biomedical Science course at the University of Wolverhampton is designed to help you explore career options and build the skills employers are looking for. You'll also take part in live briefs and project proposals that simulate industry challenges, helping you develop creative solutions that meet professional standards.

Throughout the course, you'll build a portfolio that showcases your academic, practical, and digital skills. You'll work on CV writing, poster presentations, and research projects that reflect the expectations of careers in biomedical science, clinical research, and diagnostics. These experiences help you make informed decisions about your future and prepare you for a wide range of career pathways.

Developing a professional identity is a key part of your journey. You'll be encouraged to reflect on your progress through personal development planning and portfolio tasks. Group work and presentations will help you build communication and teamwork skills, while engagement with current research and professional standards ensures your learning stays aligned with industry expectations.

Professionalism is embedded throughout the course. You'll complete practical assessments and lab work that mirror clinical and research protocols, and tackle case studies that reflect real-world scenarios and ethical challenges. Assessment formats such as reports, presentations, and project briefs are designed to match what employers expect. The curriculum is regularly updated by research-active staff to stay in line with industry and regulatory standards.

You'll be supported every step of the way. Formative assessments and tutorials provide regular feedback and help you improve your work. Activities like CV writing and poster presentations develop your professional communication skills, while group work and seminars build your confidence and interpersonal abilities.

Guidance is always available through one-to-one tutorials and academic advising, where you can discuss your career goals and module choices. You'll be exposed to a wide range of topics and research areas, helping you discover your strengths and interests. Project work and dissertations can be tailored to your aspirations, and Canvas resources clearly outline how each module connects to future career opportunities.