

## Course Specification

<b>Published Date:</b>	14-Sep-2020
<b>Produced By:</b>	Laura Clode
<b>Status:</b>	Validated

## Core Information

<b>Awarding Body / Institution:</b>	University of Wolverhampton		
<b>School / Institute:</b>	Wolverhampton School of Sciences		
<b>Course Code(s):</b>	BM036H31UV	Part-time	6 Years
<b>Course Title:</b>	BSc (Hons) Biomedical Science (Pathology Laboratory Based)		
<b>Hierarchy of Awards:</b>	Bachelor of Science with Honours Biomedical Science (Pathology Laboratory Based) Bachelor of Science Medical Laboratory Science Diploma of Higher Education Medical Laboratory Science Certificate of Higher Education Medical Laboratory Science University Statement of Credit University Statement of Credit		
<b>Language of Study:</b>	English		
<b>Date of DAG approval:</b>	05/Jun/2017		
<b>Last Review:</b>	2016/7		
<b>Course Specification valid from:</b>	2010/1		
<b>Course Specification valid to:</b>	2022/3		

## Academic Staff

<b>Course Leader:</b>	Dr Elizabeth O'Gara
<b>Head of Department:</b>	Dr Elizabeth O'Gara

# Course Information

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

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## Entry Requirements:

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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

- 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

This course is specifically designed for students employed in an NHS hospital pathology laboratory or equivalent. The employer must be committed to supporting the students in their program of studies and work-based modules.

## Distinctive Features of the Course:

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This course is designed for students employed in an NHS hospital pathology laboratory or equivalent. The employer must be committed to supporting the students in their program of studies and work-based modules.

This course involves the study of a variety of biomedical science disciplines and takes place at an institution where fellow students are undertaking programmes in other disciplines and vocational courses in a wide variety of medicine-related subjects. As such students will mix and learn with students with a wide interest and experience of medically-related subjects and disciplines, providing the opportunity for cross-subject interaction and learning.

The BSc (Hons) Biomedical Science award will be of interest to you if you wish to study how the body functions and also how disease in humans is diagnosed through the rapid technological advances currently being made in laboratory diagnosis and treatment.

Biomedical Science staff undertake research in the areas of diabetes, physiology, molecular medicine, cancer, brain tumours, microbiology and molecular immunology and maintain close links with local and regional NHS Trusts to ensure that the skills you gain are in line with professional working methods.

On the Biomedical Science course you will be able to gain research experience first hand by managing your own research project in your final year of study with dedicated research active staff. Our first-rate facilities include specialised equipment for microscopy, cell culture, protein synthesis and analysis, immunology, molecular oncology, diabetes, microbiology and molecular pharmacology research.

You will be very much in demand because the nature and breadth of our degree in Biomedical Science develop

skills that are valued by employers across the country. The integral course skills in diagnosis, medical research, laboratory analysis, scientific reasoning, instrumentation and report writing are particularly relevant to growing career sectors like education, scientific research in the public and private sectors.

### Educational Aims of the Course:

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The understanding of how the human body functions normally and when diseased is central to the understanding of human health. This course will provide you with detailed knowledge and understanding of the cause of disease with its presentation, diagnosis and treatment. It will also provide training in the methods and skills required to undertake research in a wide variety of Biomedical Science specialist disciplines.

A graduate in Biomedical Science typically will have the ability to:

- understand the factors and processes which contribute to human health and disease
- demonstrate their knowledge of human form and function, physiology, biochemistry, molecular pathology and the biology and investigation of disease
- apply their knowledge to critically analyse, interpret and critically evaluate biomedical data
- demonstrate laboratory skills and knowledge of planning and designing experiments and execute independent research based on data generation in challenging learning opportunities
- to take responsibility for their own learning, foster a spirit of enquiry, and develop attitudes and skills to underpin independent, life-long learning
- use effectively transferable skills in communication, IT, numeracy and data analysis, team working, critical thinking, setting tasks, problem solving and self-management and achieve to the maximum of their ability
- exercise professionalism, personal responsibility and decision-making as needed for employment or further studies and in other situations
- demonstrate graduate attributes of Digital Literacy, Knowledgeable and Enterprising, and Global Citizenship.
- develop a professional approach, and develop awareness of the ethical, socio-economic, political and commercial contexts of their studies
- integrate employer and professional body requirements, maximise vocational relevance and provide opportunities for learning in the workplace

### Intakes:

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September

### Major Source of Funding:

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Office for Students (OFS)

### Tuition Fees:

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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
2020/1	H	Part Time	£3050.00
2020/1	Overseas	Part Time	£6125.00

### PSRB:

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BM036H31UV (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
01/Jul/2011	01/Jul/2011	31/Aug/2023	31/Aug/2023

Course Structure:

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## September (Part-time)

### Year 1

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

Module	Title	Credits	Period	Type
4BC005	Biochemistry for Life Science	20	SEM1	Core
4BM037	Biomedical Science Skills (Work Based)	20	SEM1	Core
4BM035	Introduction to Microbiology (Distance learning)	20	SEM2	Core
4BM027	Cell Biology	20	SEM2	Core

## September (Part-time)

### Year 2

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

Module	Title	Credits	Period	Type
4BM016	Human Form & Function	20	SEM1	Core
4BM036	Biology of Disease (Distance learning)	20	SEM2	Core
5BM074	Principles of Disease Investigation in Medical Microbiology (work-based)	20	SEM1	Core
5BM070	Principles of Disease Investigation in Cellular Pathology (work-based)	20	SEM2	Core

## September (Part-time)

### Year 3

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

Module	Title	Credits	Period	Type
5BM073	Principles of Disease Investigation in Haematology (work-based)	20	SEM1	Core
5BM076	Principles of Disease Investigation in Clinical Biochemistry (work-based)	20	SEM2	Core
5BM075	Principles of Disease Investigation in Immunology (work-based)	20	SEM1	Core
5BM071	Principles of Disease Investigation in Genetics and Genomics (work-based)	20	SEM2	Core

Continuing students will follow the programme indicated below:

## September (Part-time)

### Year 3

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

Module	Title	Credits	Period	Type
5BM004	Biology and Investigation of Disease 1	20	SEM1	Core
5BM006	Biology and Investigation of Disease 2	20	SEM2	Core
5BM027	Workbased Techniques for Investigating Disease 1	20	SEM1	Core
5BM028	Workbased Techniques for Investigating Disease 2	20	SEM2	Core

## September (Part-time)

### Year 4

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

Module	Title	Credits	Period	Type
6BM056	Clinical Biochemistry	10	SEM1	Core
6BM034	Clinical Genetics	10	SEM1	Core
6BM057	Developmental & Cellular Physiology	10	SEM1	Core
6BM042	Practical & Professional Skills Portfolio	10	SEM1	Core
6BM036	Clinical Microbiology	10	SEM2	Core
6BM038	CLINICAL IMMUNOLOGY	10	SEM2	Core
6BM033	Clinical Cellular Pathology	10	SEM2	Core
6BM039	Clinical Haematology	10	SEM2	Core

Continuing students will follow the programme indicated below:

## September (Part-time)

### Year 4

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

Module	Title	Credits	Period	Type
6BM006	Cellular Pathology and Clinical Genetics	20	SEM1	Core
6BM008	Haematology and Transfusion Science	20	SEM1	Core
6BM010	Medical Microbiology	20	SEM2	Core
6BM009	Clinical Biochemistry and Clinical Immunology	20	SEM2	Core

## September (Part-time)

### Year 5

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

Module	Title	Credits	Period	Type
6BM040	Research Project	40	YEAR	Core

Continuing students will follow the programme indicated below:

## September (Part-time)

### Year 5

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

Module	Title	Credits	Period	Type
6BM014	Honours Research Project	40	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

### Academic Regulations Exemption:

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AFRSC/17/22.4.2

BSc (Hons) Applied Biomedical Science/BSc (Hons) Biomedical Science/ BSc (Hons) Biomedical Science (Pathology Laboratory Based)

Section 1.2.5 - 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 1.3.1 - Exemption from the standard University Academic Framework allowing for the use of 10 credit taught modules at Level 6 in order to more closely align the curricula with Professional Body (IBMS) requirements.

Section 4.4.3 - Exemption in accordance with Professional Body (IBMS) requirements. Compensation will not be permitted for any Level 6 modules with no additional third attempts (repeats will be allowed) as follows;

6BM033 Cellular Pathology (10 credits)

6BM034 Clinical Genetics (10 credits)

6BM039 Clinical Haematology (10 credits)

6BM036 Medical Microbiology (10 credits)

6BM038 Clinical Immunology (10 credits)

6BM056 Clinical Biochemistry (10 credits)

6BM057 Developmental & Cellular Physiology (10 credits)

6BM042 Practical & Professional Skills Portfolio (10 credits).

Effective date: September 2019.

#### Reference Points:

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Modernising Scientific Careers Programme: BSc (Hons) Healthcare Science (Life Sciences) Curriculum 2010/11 ) v 21.

Modernising Scientific Careers Programme: BSc (Hons) Healthcare Science (Life Sciences) Training Manual 2010/11

UK Quality Code for Higher Education <https://www.qaa.ac.uk/quality-code>

UK Quality Code for Higher Education Advice & Guidance <https://www.qaa.ac.uk/en/quality-code/advice-and-guidance>

Subject Benchmark Statements <https://www.qaa.ac.uk/en/quality-code/subject-benchmark-statements>

Qualifications and Credit Frameworks <https://www.qaa.ac.uk/en/quality-code/qualifications-and-credit-frameworks>

IBMS Criteria and Requirements for the Accreditation and Re-accreditation of BSc (Hons) degrees in Biomedical Science - [http://www.ibms.org/pdf/ibms\\_criteria\\_accreditation.pdf](http://www.ibms.org/pdf/ibms_criteria_accreditation.pdf)

HCPC Guidelines for the approval of Biomedical Science courses

HCPC Standards of education and training (September 2009)- <http://www.hpc-uk.org/assets/documents/1000295EStandardsofeducationandtraining-fromSeptember2009.pdf>

HCPC Standards of proficiency – Biomedical Scientists  
- [http://www.hpcuk.org/assets/documents/100004FDStandards\\_of\\_Proficiency\\_Biomedical\\_Scientists.pdf](http://www.hpcuk.org/assets/documents/100004FDStandards_of_Proficiency_Biomedical_Scientists.pdf)

HCPC Standards of conduct, performance and ethics - <http://www.hpc-uk.org/aboutregistration/standards/standardsofconductperformanceandethics/>

HCPC Guidance on health and character - <http://www.hpc-uk.org/assets/documents/10002C17Guidanceonhealthandcharacter.pdf>

The Equality Act (2010) - [http://www.equalities.gov.uk/equality\\_act\\_2010.aspx](http://www.equalities.gov.uk/equality_act_2010.aspx)

## Learning Outcomes:

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### CertHE Course Learning Outcome 1 (CHECLO1)

Demonstrate knowledge of the underlying concepts and principles associated with your area(s) of study, and an ability to evaluate and interpret these within the context of that area of study

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### CertHE Course Learning Outcome 2 (CHECLO2)

Demonstrate an ability to present, evaluate and interpret qualitative and quantitative data, in order to develop lines of argument and make sound judgements in accordance with basic theories and concepts of your subject(s) of study.

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### CertHE Course Learning Outcome 3 (CHECLO3)

Evaluate the appropriateness of different approaches to solving problems related to your area(s) of study and/or work

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### CertHE Course Learning Outcome 4 (CHECLO4)

Communicate the results of your study/work accurately and reliably, and with structured and coherent arguments

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### CertHE Course Learning Outcome 5 (CHECLO5)

Demonstrate the qualities and transferable skills necessary for employment requiring the exercise of some personal responsibility

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### DipHE Course Learning Outcome 1 (DHECLO1)

Demonstrate knowledge and critical understanding of the well-established principles of your area(s) of study, and of the way in which those principles have developed with an understanding of the limits of your knowledge, and how this influences analyses and interpretations based on that knowledge.

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### DipHE Course Learning Outcome 2 (DHECLO2)

Demonstrate the ability to apply underlying concepts and principles outside the context in which they were first studied, including, where appropriate, the application of those principles in an employment context

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### DipHE Course Learning Outcome 3 (DHECLO3)

Demonstrate knowledge of the main methods of enquiry in the subject(s) relevant to the named award, and ability to evaluate critically the appropriateness of different approaches to solving problems in the field of study

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### DipHE Course Learning Outcome 4 (DHECLO4)

Use a range of established techniques to initiate and undertake critical analysis of information, and to propose solutions to problems arising from that analysis

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DipHE Course Learning Outcome 5 (DHECLO5)

Effectively communicate information, arguments and analysis in a variety of forms to specialist and non-specialist audiences, and deploy key techniques of the discipline effectively

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DipHE Course Learning Outcome 6 (DHECLO6)

Demonstrate the qualities and transferable skills necessary for employment, requiring the exercise of personal responsibility and decision-making and undertake further training, developing existing skills and acquire new competences that will enable them to assume significant responsibility within organisations

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Ordinary Degree Course Learning Outcome 1 (ORDCLO1)

Demonstrate a systematic understanding of key aspects of your field of study, including acquisition of coherent and detailed knowledge, at least some of which is at, or informed by, the forefront of defined aspects of a discipline with an appreciation of the uncertainty, ambiguity and limits of knowledge

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Ordinary Degree Course Learning Outcome 2 (ORDCLO2)

Demonstrate an ability to deploy accurately established techniques of analysis and enquiry within a discipline and apply the methods and techniques that they have learned to review, consolidate, extend and apply your knowledge and understanding, and to initiate and carry out projects.

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Ordinary Degree Course Learning Outcome 3 (ORDCLO3)

Demonstrate conceptual understanding that enables the student: A)to devise and sustain arguments, and/or to solve problems, using ideas and techniques, some of which are at the forefront of a discipline B)to describe and comment upon particular aspects of current research, or equivalent advanced scholarship, in the discipline

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Ordinary Degree Course Learning Outcome 4 (ORDCLO4)

Demonstrate the ability to manage your own learning, and to make use of scholarly reviews and primary sources (for example, refereed research articles and/or original materials appropriate to the discipline) and communicate information, ideas, problems and solutions to both specialist and non-specialist audiences.

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Ordinary Degree Course Learning Outcome 5 (ORDCLO5)

Critically evaluate arguments, assumptions, abstract concepts and data (that may be incomplete), to make judgements, and to frame appropriate questions to achieve a solution - or identify a range of solutions - to a problem

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Ordinary Degree Course Learning Outcome 6 (ORDCLO6)

Demonstrate the qualities and transferable skills necessary for employment requiring: a) the exercise of initiative and personal responsibility b)decision-making in complex and unpredictable contexts c)the learning ability needed to undertake appropriate further training of a professional or equivalent nature.

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Honours Degree Medical Laboratory Science Learning Outcome 1 (DEGCLO1)

Demonstrate a systematic understanding of key aspects of your field of study, including acquisition of coherent and detailed knowledge, at least some of which is at, or informed by, the forefront of defined aspects of a discipline with an appreciation of the uncertainty, ambiguity and limits of knowledge

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Honours Degree Medical Laboratory Science Learning Outcome 2 (DEGCLO2)

Demonstrate an ability to deploy accurately established techniques of analysis and enquiry within a discipline and apply the methods and techniques that they have learned to review, consolidate, extend and apply your knowledge and understanding, and to initiate and carry out projects.

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Honours Degree Medical Laboratory Science Learning Outcome 3 (DEGCLO3)

Demonstrate conceptual understanding that enables the student: a) to devise and sustain arguments, and/or to solve problems, using ideas and techniques, some of which are at the forefront of a discipline b) to describe and comment upon particular aspects of current research, or equivalent advanced scholarship, in the discipline

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Honours Degree Medical Laboratory Science Learning Outcome 4 (DEGCLO4)

Demonstrate the ability to manage your own learning, and to make use of scholarly reviews and primary sources (for example, refereed research articles and/or original materials appropriate to the discipline) and communicate information, ideas, problems and solutions to both specialist and non-specialist audiences.

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Honours Degree Medical Laboratory Science Learning Outcome 5 (DEGCLO5)

Critically evaluate arguments, assumptions, abstract concepts and data (that may be incomplete), to make judgements, and to frame appropriate questions to achieve a solution - or identify a range of solutions - to a problem

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Honours Degree Medical Laboratory Science Learning Outcome 6 (DEGCLO6)

Demonstrate the qualities and transferable skills necessary for employment requiring: a) the exercise of initiative and personal responsibility b) decision-making in complex and unpredictable contexts c) the learning ability needed to undertake appropriate further training of a professional or equivalent nature.

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Honours Degree Biomedical Science (Pathology Laboratory Science) Learning Outcome 1 (DEGCLO7)

Demonstrate your knowledge of the aetiology of disease with its presentation, diagnosis and treatment through the study of underpinning scientific subjects and biomedical science specialist subjects and understand how the human body functions normally and when diseased.

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Honours Degree Biomedical Science (Pathology Laboratory Science) Learning Outcome 2 (DEGCLO8)

Demonstrate scientific, intellectual and practical skills to successfully plan and carry out laboratory investigations in biomedical science and critically evaluate biomedical data.

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Honours Degree Biomedical Science (Pathology Laboratory Science) Learning Outcome 3 (DEGCLO9)

Exercise professionalism, personal responsibility and decision-making as needed for employment and in a pathology laboratory.

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Honours Degree Biomedical Science (Pathology Laboratory Science) Learning Outcome 4 (DEGCLO10)

Demonstrate acquisition of the technical skills required to become proficient as a biomedical scientist.

Overview of Assessment:

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Module	Title	Course Learning Outcomes
4BC005	Biochemistry for Life Science	CHECLO1, CHECLO2, CHECLO3, CHECLO4, CHECLO5

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Module	Module Title	Course Learning Outcomes
4BM016 4BM027	Human Form & Function Cell Biology	CHECLO1, CHECLO3, CHECLO5 CHECLO2, CHECLO3, CHECLO4, CHECLO5
4BM035	Introduction to Microbiology (Distance learning)	CHECLO1, CHECLO2, CHECLO3, CHECLO4, CHECLO5
4BM036	Biology of Disease (Distance learning)	CHECLO1, CHECLO3, CHECLO4, CHECLO5
4BM037	Biomedical Science Skills (Work Based)	CHECLO2, CHECLO3, CHECLO4, CHECLO5
5BM004	Biology and Investigation of Disease 1	DHECLO1, DHECLO3, DHECLO4, DHECLO5
5BM006	Biology and Investigation of Disease 2	DHECLO1, DHECLO3, DHECLO4, DHECLO5
5BM027	Workbased Techniques for Investigating Disease 1	DHECLO1, DHECLO2, DHECLO3, DHECLO4, DHECLO5, DHECLO6
5BM028	Workbased Techniques for Investigating Disease 2	DHECLO1, DHECLO2, DHECLO3, DHECLO4, DHECLO5, DHECLO6
5BM070	Principles of Disease Investigation in Cellular Pathology (work-based)	DHECLO1, DHECLO2, DHECLO3, DHECLO4, DHECLO5, DHECLO6
5BM071	Principles of Disease Investigation in Genetics and Genomics (work- based)	DHECLO1, DHECLO2, DHECLO3, DHECLO4, DHECLO5, DHECLO6
5BM073	Principles of Disease Investigation in Haematology (work-based)	DHECLO1, DHECLO2, DHECLO3, DHECLO4, DHECLO5, DHECLO6
5BM074	Principles of Disease Investigation in Medical Microbiology (work- based)	DHECLO1, DHECLO2, DHECLO3, DHECLO4, DHECLO5, DHECLO6
5BM075	Principles of Disease Investigation in Immunology (work-based)	DHECLO1, DHECLO2, DHECLO3, DHECLO4, DHECLO5, DHECLO6
5BM076	Principles of Disease Investigation in Clinical Biochemistry (work- based)	DHECLO1, DHECLO2, DHECLO3, DHECLO4, DHECLO5, DHECLO6
6BM006	Cellular Pathology and Clinical Genetics	DEGCLO1, DEGCLO10, DEGCLO2, DEGCLO3, DEGCLO4, DEGCLO7, DEGCLO8, DEGCLO9, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5, ORDCLO6
6BM008	Haematology and Transfusion Science	DEGCLO1, DEGCLO10, DEGCLO2, DEGCLO3, DEGCLO4, DEGCLO7, DEGCLO8, DEGCLO9, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5, ORDCLO6
6BM009	Clinical Biochemistry and Clinical Immunology	DEGCLO1, DEGCLO10, DEGCLO2, DEGCLO3, DEGCLO4, DEGCLO7, DEGCLO8, DEGCLO9, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5, ORDCLO6
6BM010	Medical Microbiology	DEGCLO1, DEGCLO10, DEGCLO2, DEGCLO3, DEGCLO4, DEGCLO7, DEGCLO8, DEGCLO9, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5, ORDCLO6
6BM014	Honours Research Project	DEGCLO1, DEGCLO10, DEGCLO2, DEGCLO3, DEGCLO4, DEGCLO7, DEGCLO8, DEGCLO9, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5, ORDCLO6
6BM033	Clinical Cellular Pathology	DEGCLO1, DEGCLO10, DEGCLO2, DEGCLO3, DEGCLO4, DEGCLO5, DEGCLO6, DEGCLO7, DEGCLO8, DEGCLO9, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5, ORDCLO6
6BM034	Clinical Genetics	DEGCLO1, DEGCLO10, DEGCLO2, DEGCLO3, DEGCLO4, DEGCLO5, DEGCLO6, DEGCLO7, DEGCLO8, DEGCLO9, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5, ORDCLO6
6BM036	Clinical Microbiology	DEGCLO1, DEGCLO10, DEGCLO2, DEGCLO3, DEGCLO4, DEGCLO5, DEGCLO6, DEGCLO7, DEGCLO8, DEGCLO9, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4,

Module	Title	Course Learning Outcomes
6BM038	CLINICAL IMMUNOLOGY	ORDCLO5, ORDCLO6, DEGCL01, DEGCL010, DEGCL02, DEGCL03, DEGCL04, DEGCL05, DEGCL06, DEGCL07, DEGCL08, DEGCL09, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5, ORDCLO6
6BM039	Clinical Haematology	DEGCL01, DEGCL010, DEGCL02, DEGCL03, DEGCL04, DEGCL05, DEGCL06, DEGCL07, DEGCL08, DEGCL09, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5, ORDCLO6
6BM040	Research Project	DEGCL01, DEGCL010, DEGCL02, DEGCL03, DEGCL04, DEGCL05, DEGCL06, DEGCL07, DEGCL08, DEGCL09
6BM042	Practical & Professional Skills Portfolio	DEGCL01, DEGCL010, DEGCL02, DEGCL03, DEGCL04, DEGCL05, DEGCL06, DEGCL07, DEGCL08, DEGCL09, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5, ORDCLO6
6BM056	Clinical Biochemistry	DEGCL01, DEGCL010, DEGCL02, DEGCL03, DEGCL04, DEGCL05, DEGCL06, DEGCL07, DEGCL08, DEGCL09, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5, ORDCLO6
6BM057	Developmental & Cellular Physiology	DEGCL01, DEGCL010, DEGCL02, DEGCL03, DEGCL04, DEGCL05, DEGCL06, DEGCL07, DEGCL08, DEGCL09, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5, ORDCLO6

## Teaching, Learning and Assessment:

Opportunities to achieve these learning outcomes will be provided by the following methods:

1. Lectures
2. Tutorials (small group)
3. Tutorials (one-to-one)
4. Seminars
5. Laboratory sessions
6. Self-directed study
7. Workshops
8. Problem-based learning
9. Case studies
10. Structured laboratory exercises
11. Individual or group investigative practical exercises
12. Individual and group research project investigations
13. Electronic/Computer-based learning
14. Supported learning using the University VLE for information, synchronous and asynchronous communications
15. Group work
16. Individual structured assignment-based learning
17. Directed study
18. Demonstrations
19. Literature appraisal
20. Work-based learning and / or placements
21. Reflective practice (including personal development plans)
22. Project work
23. Portfolio building
24. Data interpretation
25. Essay writing
26. Presentations (oral/poster)

These learning activities will provide the Graduate with skills which will prepare them for their future role in the ever changing workplace. Engagement in the above learning activities will produce graduates who are digitally literate, knowledgeable and enterprising, and will be useful and productive members of society

(Global Citizens).

In addition, the pathology laboratory based students on this course will study work-based modules and will undertake learning using e-resources provided by the module staff who will guide them throughout the module. For these modules students are expected to attend the dedicated scheduled based face- to- face sessions at the university.

## Assessment Methods:

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At the University of Wolverhampton, a variety of modes of assessment will be used to support and test your learning and progress and to help you develop capabilities that are valued beyond your University studies and into your working life. Your course may include a variety of assessment activities:

Written examinations (including online examinations, open and closed book examinations and quizzes)  
Coursework (for example, essays, reports, portfolios, project proposals and briefs, CVs, poster presentation)  
Practical (for example, oral and video presentations, laboratory work, performances, practical skills assessment)

In the final year of your undergraduate degree, and at the end of your postgraduate degree, you are likely to be expected to write an extended piece of work or research, such as a dissertation or a practice-based piece of research.

## Student Support:

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General University support:

[University Learning Centres](#) are the key source of academic information for students. Learning Centres provide physical library resources (books, journal, DVDs etc.) and offer a range of study areas to allow students to study in the environment that suit them best: Social areas, quiet and silent areas. Learning Centres also provide access to wide range of online information sources, including eBooks, e-Journals and subject databases.

Learning Centres also provide students with academic skills support via the [Skills for Learning programme](#). Students on campus can attend workshops or ask for one-to-one help on a range of skills such as academic writing and referencing. Students can access a range of online skills material at: [www.wlv.ac.uk/lib/skills](http://www.wlv.ac.uk/lib/skills)

The [University Student Support website](#) offers advice on a variety of matters (careers, counselling, student union advice, etc.) Students can also access these services by booking appointment with the SU, careers, counselling services, etc.

## Course Specific Support

You will be assigned a Personal Tutor who will provide support and academic counselling throughout the year via SAMS appointments. They will be able to offer you advice and guidance to help you liaise with other staff and support facilities in the School and University. You should meet your Personal Tutor at least 3 times a year, which must include meetings that you are invited to at critical points in your course. You will also have a Course Leader who will be available to meet with you via SAMS appointments.

## Employability in the Curriculum:

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Students on this course must be employed in an NHS hospital pathology laboratory or equivalent and be supported by their employer who must be committed to supporting the students in their program of studies and work-based modules.

The course in Biomedical Science will provide you with the essential knowledge and skills to support a career choice within a wide variety of medicine-related subjects. Currently the majority of Biomedical Science

graduates studying this course remain employed as Biomedical Scientists within the NHS or have a career in science.

The BSc (Hons) Biomedical Science award offers you a career as a Biomedical Scientist and could offer you a graduate fast-track route into medicine, and open the right doors to becoming a food technologist, medical sales representative or industrial microbiologist.

However, some graduates may choose careers in other fields. Biomedical science is a continually changing, dynamic profession with long-term career prospects including management, research, education and specialised laboratory work. UK Biomedical scientists are employed in National Health Service private sector laboratories but are also involved in other organisations such as the National Blood Authority which provides support to hospital blood banks and the Blood Transfusion Service.

Biomedical scientists working for the Medical Research Council carry out research in the medical and biological sciences to help preserve health and combat and control disease.

Biomedical scientists are also employed in a variety of roles including the veterinary service, the Health and Safety Executive, university and forensic laboratories, pharmaceutical and product manufacturers, Her Majesty's Forces and various government departments.

There are also opportunities for biomedical scientists to use their training and skills in healthcare posts and projects around the world. They are involved in voluntary work in developing countries on behalf of international bodies such as the World Health Organisation and the Voluntary Service Overseas.

Biomedical science represents an opportunity to put scientific knowledge into practical use and perform a key role within medical healthcare that offers career satisfaction for many in the profession. Biomedical scientists learn skills and gain qualifications that can be transferred all over the UK and can be recognised worldwide.

The University of Wolverhampton Enterprise and Employability Award is embedded into the curriculum with students completing the bronze, silver and gold awards in order to gain recognition for their skills and experience.



THE UNIVERSITY OF OPPORTUNITY