



## Course Specification

<b>Published Date:</b>	11-Sep-2018
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<b>Status:</b>	CST VALIDATED - Deletion Requested

## Core Information

<b>Awarding Body / Institution:</b>	University of Wolverhampton		
<b>School / Institute:</b>	Wolverhampton School of Sciences		
<b>Course Code(s):</b>	BM026H01UV BM026H31UV	Full-time Part-time	3 Years 6 Years
<b>Course Title:</b>	BMed Sci (Hons) Medical Science		
<b>Hierarchy of Awards:</b>	Bachelor of Medical Science with Honours Medical Science Bachelor of Medical Science Medical Science Diploma of Higher Education Medical Science Certificate of Higher Education Medical Science University Statement of Credit University Statement of Credit		
<b>Language of Study:</b>	English		
<b>Date of DAG approval:</b>	06/Jun/2017		
<b>Last Review:</b>	2010/1		
<b>Course Specification valid from:</b>	2010/1		
<b>Course Specification valid to:</b>	2016/7		

## Academic Staff

<b>Course Leader:</b>	Dr Shantha Perera
<b>Head of Department:</b>	Dr Gillian Conde

# Course Information

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<b>Location of Delivery:</b>	University of Wolverhampton
<b>Category of Partnership:</b>	Not delivered in partnership
<b>Teaching Institution:</b>	University of Wolverhampton
<b>Open / Closed Course:</b>	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

A minimum of 280 points from at least two A2 Level or equivalent

Post-6 qualifications should include at least one science subject at A2 level, preferably Biology

You should have GCSE English & Maths at Grade C or above, or Key Skills Communication and Application of Number at Level 2

If you've got other qualifications or relevant experience check out the UCAS tariff conversion table via the UCAS website: [www.ucas.com](http://www.ucas.com)

International student language requirements and application guidance can be found at [www.wlv.ac.uk/international/apply](http://www.wlv.ac.uk/international/apply).

## Distinctive Features of the Course:

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Gaining a degree in Medical sciences will enable you to apply for entry to a postgraduate medical degree course. At the University of Wolverhampton we have many courses in biomedical sciences, pharmacy, physiology and pharmacology and students will be able to study modules in these courses & hence gain a broad based knowledge of medical sciences.

## Educational Aims of the Course:

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The aim of this course is to give you a sound knowledge of the structure and functioning of the human body and provide you with a solid grounding in the basic medical sciences enabling understanding of the causes and mechanisms of human disease. You will be able to learn the methods involved in disease diagnosis, and understand how these diseases are treated.

You will also gain competency in practical skills in the subject areas of pathology & physiology which can be used to assess the human body/tissue samples and be able to use such skills in research applications.

## Intakes:

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September

## Major Source of Funding:

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HE FUNDING COUNCIL FOR ENGLAND (HEFCE)

## 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
2017/8	H	Full Time / Sandwich	£9250.00
2017/8	EU	Full Time / Sandwich	£9250.00
2017/8	Overseas	Full Time / Sandwich	£11475.00
2017/8	H	Part Time	£2835.00
2017/8	EU	Part Time	£2835.00
2017/8	Overseas	Part Time	£5738.00
2018/9	H	Full Time / Sandwich	£9250.00
2018/9	EU	Full Time / Sandwich	£9250.00
2018/9	Overseas	Full Time / Sandwich	£11700.00
2018/9	H	Part Time	£2925.00
2018/9	Overseas	Part Time	£5850.00
2018/9	EU	Part Time	£2925.00

PSRB:

None

Course Structure:

## September (Full-Time)

Part time students study alongside full time students. However, they do not study more than 80 credits in each academic calendar year.

### Year 1

Module	Title	Credits	Period	Type
4BM003	Study and Professional Skills	20	SEM1	Core
4BM004	Human Structure and Function	20	SEM1	Core
4BM011	Introduction to Biomedical Science	20	SEM1	Core
4PY013	Molecular Basis of Life	20	SEM2	Core
4BM005	Microbes and Immunity	20	SEM2	Core
4PY009	Principles of Drug Action	20	SEM2	Core

## September (Full-Time)

Part time students study alongside full time students. However, they do not study more than 80 credits in each academic calendar year.

### Year 2

Module	Title	Credits	Period	Type
5BM009	Integrated Physiology	20	SEM1	Core
5BM010	Anatomy and Biomechanics	20	SEM1	Core
5BM033	Mechanisms of Disease	20	SEM2	Core
5BM013	Physiology Practicals and Research Methods	20	SEM2	Core
5BM019	Pathophysiology	20	SEM2	Core
5PY010	Therapeutic Pharmacology	20	SEM1	Core

## September (Full-Time)

Part time students study alongside full time students. However, they do not study more than 80 credits in each academic calendar year.

### Year 3

Module	Title	Credits	Period	Type
6BM008	Haematology and Transfusion Science	20	SEM1	Core
6BM017	Advanced Human Physiology	20	SEM1	Core
6BM010	Medical Microbiology	20	SEM2	Core
6BM009	Clinical Biochemistry and Clinical Immunology	20	SEM2	Core
6BM014	Honours Research Project	40	YEAR	Core

## Learning, Teaching and Assessment

Academic Regulations Exemption:

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None

Reference Points:

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QAA Subject Benchmarks for Biomedical Sciences (2007)

QAA Framework for Higher Education Qualifications (FHEQ): The framework for higher qualifications in England, Wales and Northern Ireland. Qualification descriptors for Intermediate (I) and Honours (H) levels. (October 2008)

NHS Modernising Sci Careers Programme: BSc (Hons), in Healthcare Science (Life Sciences ) v 19.

The Equality Act (2010)

Special Education Needs Disability Act (2001)

Medical Education England.

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 Course Learning Outcome 1 (ORDCLO1)

Demonstrate a knowledge of the structure of the human body an understanding of physiological processes that affect its function

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Ordinary Course Learning Outcome 2 (ORDCLO2)

"Demonstrate an understanding of the molecular, biochemical and cellular mechanisms important in maintaining homeostasis"

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Ordinary Course Learning Outcome 3 (ORDCLO3)

Demonstrate an understanding of the causes and mechanisms of disease and appreciate the methods use in diagnosis and treatment

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Ordinary Course Learning Outcome 4 (ORDCLO4)

"Demonstrate understanding of the pharmacological principles of treatment using drugs and non-pharmacological therapies, their efficacy in the management and symptomatic relief of diseases, and their adverse reactions"

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Ordinary Course Learning Outcome 5 (ORDCLO5)

Demonstrate competency in practical skills in the subject areas of pathology & physiology which can be used to assess the human body/tissue samples and be able to use such skills in research applications

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Honours Course Learning Outcome 1 (DEGCLO1)

Demonstrate a knowledge of the structure of the human body an understanding of physiological processes that affect its function

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Honours Course Learning Outcome 2 (DEGCLO2)

"Demonstrate an understanding of the molecular, biochemical and cellular mechanisms important in maintaining homeostasis"

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Honours Course Learning Outcome 3 (DEGCLO3)

Demonstrate an understanding of the causes and mechanisms of disease and appreciate the methods use in diagnosis and treatment

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Honours Course Learning Outcome 4 (DEGCLO4)

"Demonstrate understanding of the pharmacological principles of treatment using drugs and non-pharmacological therapies, their efficacy in the management and symptomatic relief of diseases, and their adverse reactions"

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Honours Course Learning Outcome 5 (DEGCLO5)

Demonstrate competency in practical skills in the subject areas of pathology & physiology which can be used to assess the human body/tissue samples and be able to use such skills in research applications

## Overview of Assessment:

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Module	Title	Course Learning Outcomes
4BM003	Study and Professional Skills	CHECLO2, CHECLO3, CHECLO4, CHECLO5
4BM004	Human Structure and Function	CHECLO1, CHECLO3, CHECLO5
4BM005	Microbes and Immunity	CHECLO1, CHECLO2, CHECLO3, CHECLO4, CHECLO5
4BM011	Introduction to Biomedical Science	CHECLO2, CHECLO3, CHECLO4, CHECLO5
4PY009	Principles of Drug Action	CHECLO1, CHECLO2, CHECLO3, CHECLO4, CHECLO5
4PY013	Molecular Basis of Life	CHECLO1, CHECLO2, CHECLO3, CHECLO4, CHECLO5
5BM009	Integrated Physiology	DHECLO1, DHECLO3, DHECLO4, DHECLO5
5BM010	Anatomy and Biomechanics	DHECLO1, DHECLO2, DHECLO3, DHECLO4, DHECLO5
5BM013	Physiology Practicals and Research Methods	DHECLO2, DHECLO3, DHECLO4, DHECLO5, DHECLO6
5BM019	Pathophysiology	DHECLO1, DHECLO3, DHECLO4, DHECLO5
5BM033	Mechanisms of Disease	DHECLO1, DHECLO2, DHECLO3, DHECLO4, DHECLO5, DHECLO6
5PY010	Therapeutic Pharmacology	DHECLO1, DHECLO3, DHECLO4, DHECLO5
6BM008	Haematology and Transfusion Science	DEGCLO1, DEGCLO2, DEGCLO3, DEGCLO4, DEGCLO5, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5
6BM009	Clinical Biochemistry and Clinical Immunology	DEGCLO1, DEGCLO2, DEGCLO3, DEGCLO4, DEGCLO5, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5
6BM010	Medical Microbiology	DEGCLO1, DEGCLO2, DEGCLO3, DEGCLO4, DEGCLO5, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5
6BM014	Honours Research Project	DEGCLO1, DEGCLO2, DEGCLO3, DEGCLO4, DEGCLO5, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5
6BM017	Advanced Human Physiology	DEGCLO1, DEGCLO2, DEGCLO3, DEGCLO4, DEGCLO5, ORDCLO1, ORDCLO2, ORDCLO3, ORDCLO4, ORDCLO5

## Teaching, Learning and Assessment:

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### Type of Learning Activity

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

Lectures

Tutorials (small group)

Tutorials (one-to-one)

Seminars

Laboratory sessions

Self-directed study

Workshops

Problem-based learning

Case studies

Structured laboratory exercises

Individual or group investigative practical exercises

Individual and group research project investigations

Electronic/Computer-based learning

Supported learning using the University VLE (CANVAS) for information, synchronous and asynchronous communications

Group work

Individual structured assignment-based learning

Directed study

Demonstrations

Literature appraisal

Work-based learning and / or placements

Reflective practice (including personal development plans)

Project work

Portfolio building

Data interpretation

Essay writing

Presentations (oral/poster).

### Learning and Teaching Methods:

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This data indicates the proportion of time in each year of study that students can expect to engage in the following activities (expressed as a percentage for each level).

Level	Teaching	Independent	Placement
4	24	76	0
5	21	79	0
6	17	83	0

### Assessment Methods:

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This data indicates the proportion of summative assessment in each year of study that will derive from the following: (expressed as a percentage for each level).

Level	Written Exams	Practical Exams	Coursework
4	53	7	40
5	68	7	25
6	52	7	42

### Student Support:

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Students are allocated a personal tutor to offer support in their personal development and academic achievement. Module leaders and demonstrators will provide advice on module content, learning activities and assessment tasks. For more general enquires the faculty student support team is available in MA104.

Academic study skills are embedded in the course, with particular focus in level 4. Students have access to a hub of learning resources introducing essential study skills and are shown how to access to the University's Skills for Learning website. By production of an electronic e-portfolio, students evidence application of information retrieval, scientific writing and referencing, statistical analysis, and communication and learning skills.

Research skills are developed throughout the course in module learning activities. Students are required to engage in the use of electronic resources to search for subject specific information, carry out data interpretation exercises and problem-based learning, and produce an independent research project for completion of assessment tasks.

Students with specific needs can access additional support from staff through the Student Enabling Centre or the Faculty Enabling Tutor.

### Employability in the Curriculum:

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**Career opportunities:** Gaining a degree in Medical Sciences will enable you to work in a wide variety of medical- related careers such as medical research, hospital and pharmaceutical laboratories and in other fields requiring knowledge of medical sciences.

This degree will also enable you to apply for entry to a postgraduate medical degree course or enter a training programme as a Healthcare Scientist.



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