



From Newcastle.
For Malaysia.

BSc (Honours) Biomedical Sciences

KPT/JPT(R/720/6/0035)01/2023

Welcome from the Provost



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Thank you for considering Newcastle University Medicine Malaysia (NUMed) as you contemplate your options for your future education.

Newcastle University is a top-20 UK university with a global reputation for academic excellence. We established NUMed as a full-owned international branch campus in 2009, and have already produced over 400 graduates.

The 2 + 1 BSc (Honours) Biomedical Sciences (R/720/6/0035) is a three-year degree programme with the first two years being studied at NUMed, and the third and final year at Newcastle University, UK. Successful completion of the entire programme will lead to the award of a BSc (Honours) degree from Newcastle University, UK. By choosing to study this programme, you will enjoy the advantages of both campuses. At NUMed, you will have the benefit of being taught at a highly successful, internationally recognised British University. During your final year, you will be taught at a designated centre of excellence for biomedical research by world-renowned research staff at Newcastle University, UK.

We invite you to study with us and hope that this brochure provides you with all the information you need to make your choice. I look forward to having the opportunity of welcoming you to NUMed.

Professor Chris Baldwin
Provost and Chief Executive Officer



About the QS Stars™ System

The QS Stars™ rating system is operated by the QS Intelligence Unit, the independent compiler of the QS World University Rankings® since 2004. The system evaluates universities across a wide range of important performance indicators as set against pre-established international standards. By covering a broader range of criteria than any world ranking exercise, QS Stars™ shines a light on both the excellence and the diversity of the rated institution.

Find out more about:

QS Stars™ system at
<https://www.topuniversities.com/qs-stars/qs-stars-methodology>

QS Stars™ new university rating at
<https://www.topuniversities.com/qs-stars/qs-stars-new-university-rating>

Newcastle has become one of 18 universities in the world, and only two in the UK, to achieve five plus QS Stars from Quacquarelli Symonds (QS), the first international assessment of its kind. More than 150 universities in over 35 countries have now signed up for the QS Stars™ rating system.

We are proud to have been awarded five stars in the following areas:

- Teaching
- Student Employability
- Research
- Internationalisation
- Facilities
- Innovation
- Inclusiveness
- Life Sciences & Medicine

The QS Stars™ system is a useful alternative to traditional league tables. It allows you to focus on Newcastle's excellence against set criteria irrespective of the performance of other universities.



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Newcastle University and Biomedical Sciences

Newcastle University, UK, is a modern university with a rich tradition of scholarship, a proud record of service and a truly global alumni network. The reputation and popularity of the university is backed by the high-quality teaching and learning experiences and the research opportunities available to students. A Russell Group University consistently ranked in the top 20 in the UK for research power and student experience, Newcastle is the first UK university to establish a full-owned international branch campus for medicine and the biomedical sciences in Malaysia.



While NUMed was only established in 2009, the history and heritage of the university in the UK dates back to 1834, when a School of Medicine and Surgery was first established in the city of Newcastle upon Tyne. Newcastle University Medical School is a world-leading collaboration of research scientists, medical doctors and teaching professionals who have enjoyed a reputation for innovation and excellence for both our research and teaching, and our BSc (Honours) Biomedical Sciences is consistently one of the most highly regarded courses in the UK. Biomedical Sciences at Newcastle University, UK, has scored 93-100% overall student satisfaction since 2011 in the National Student Survey, and the university is a National Centre of Excellence in biomedical research.

Undergraduate Biomedical Sciences

Studying BSc (Honours) Biomedical Sciences at NUMed and Newcastle University, UK

New discoveries in the biomedical sciences provide us with the prospect of finding new ways to prevent and treat the wide range of diseases that affect humankind. The BSc (Honours) Biomedical Sciences 2 + 1 programme offered by NUMed and Newcastle University, UK, covers a diverse range of subjects relating to medicine and includes the study of key areas such as biochemistry, genetics, physiology, microbiology, immunology and pharmacology, thus providing a multidisciplinary approach to understanding the functioning of the human body in health and disease.

The BSc (Honours) Biomedical Sciences programme offered at NUMed is split into two parts:

PART I

Two academic years, which mirror the programme offered in the UK, delivered at the custom-built 5.5-hectare NUMed campus in Iskandar Puteri, Johor.

PART II

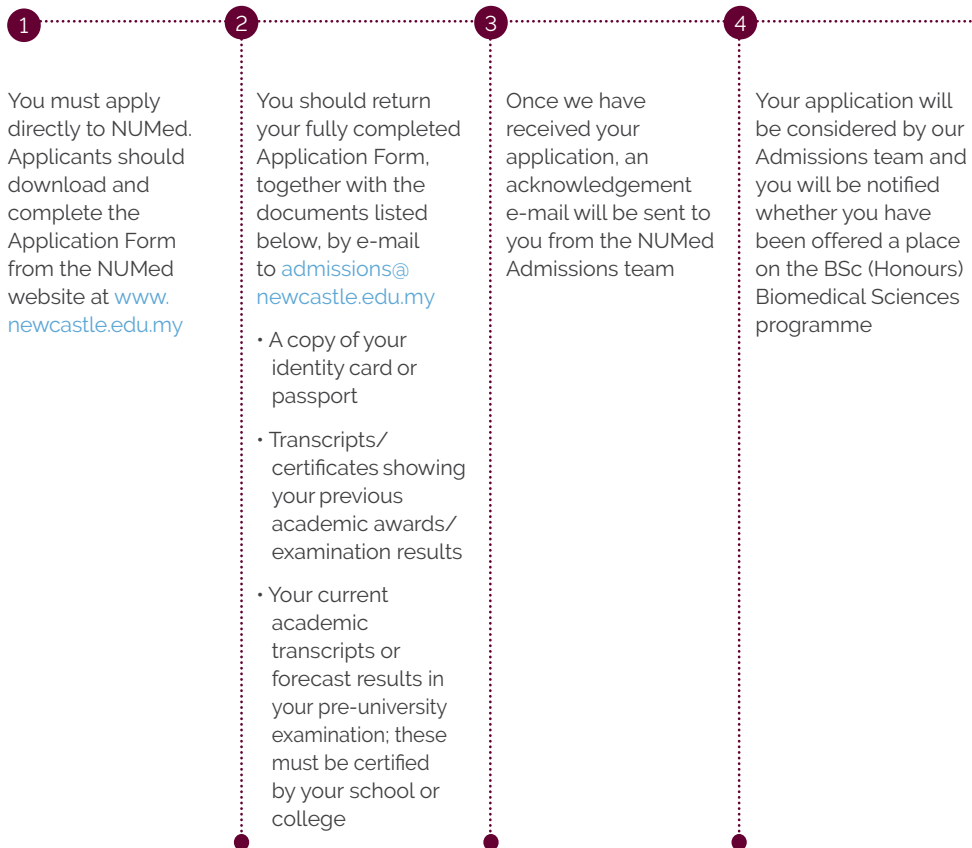
One academic year at the Newcastle University, UK, campus with research-led teaching and an intensive research project in one of the highly regarded research institutes in Newcastle University Medical School.

The course you will study is equivalent to the one delivered at our campus in the UK, and following successful completion of the programme you will be awarded the BSc (Honours) Biomedical Sciences degree by Newcastle University, UK.

How to Apply – Entry Requirements and Fees

NUMed has only one intake each year, which is in September. Application for our September 2020 intake is now open and free.

If you already meet the entry requirements (see the 'Entry Requirements' section later in this brochure) or have forecast results that meet the requirements by mid-August 2020, then you should apply now using the following procedure:



The date of registration for enrolment in 2020 is tentatively Monday, 28th September 2020.

Malaysian applicants:

While there is no formal closing date for the receipt of applications, you are encouraged to apply early as the number of places available is limited.

International applicants:

The closing date for receipt of international applicants is 15th July 2020. This is to give us enough time to assist you in obtaining your student visa.



Fees

The overall tuition cost of obtaining the Newcastle University BSc (Honours) in Biomedical Sciences via the joint 2 + 1 programme with NUMed and Newcastle University, UK, is significantly lower than the cost of studying for the same degree for three years in the UK.

A single inclusive fee is charged to cover the costs of tuition, library, laboratory, placement, examination and administration fees, as well as all other academic-related charges for each of the three years of the programme.

FEES 2020 – 2021	
Malaysian Students	RM41,400 per annum, for each of the three years of the programme (both NUMed and Newcastle, UK)
International Students	RM46,000 per annum, for each of the three years of the programme (both NUMed and Newcastle UK)

You should note that the fees do not include the cost of your living and accommodation in either Malaysia or the UK. There is a range of accommodation in Malaysia at varying prices for you to choose from in EduCity or locally in Iskandar Puteri.

Newcastle University, UK, has a wide range of accommodation options at various locations to suit a range of budgets, with the majority of university accommodation being within 10 minutes' walk from the campus and city centre. See 'Student life at Newcastle University, UK' later in the brochure.

Financial Assistance

External Sponsorship

Please visit our website at <http://www.newcastle.edu.my> for information on sponsoring bodies which may consider supporting your studies.



The Vice Chancellor's NUMed Merit Awards

Each year, progression awards are given to our students who have achieved academic distinction in their previous year of study. Each award is for one year and is equivalent in value to 10% of the annual fee.





Entry Requirements

To enter NUMed, applicants must satisfy the academic, English language proficiency and age requirements of the university.

Students who have completed SPM, O-Levels or equivalent programmes must first complete a recognised pre-university qualification as a basic requirement for entry to an undergraduate degree at NUMed. You may wish to consider A-Levels, IB or our Foundation in Biological and Biomedical Sciences (<https://www.ncl.ac.uk/numed/study/undergraduate/foundation/#courseoverview>).

Selection will be based on a combination of your:

- pre-university examination results (or forecast results)
- proficiency in English

Pre-University Examinations and Grades

We recognise that applicants will possess a range of qualifications. While we consider each applicant on an individual basis, taking into account the information you provide in your application including your past academic performance and potential, you need to demonstrate a high level of academic achievement and excellent results in your pre-university examinations.

Kindly note that the pre-university qualifications you use for your application should include the science subjects Biology and Chemistry at a level equivalent to A-Levels, IB Diploma or STPM, and Mathematics at O-Levels or SPM if not offered at a higher level.

The examination grade requirements given in the table below are indicative only:

EXAMINATIONS	REQUIREMENTS/GRADES
A-Levels	Normally BBB at A2 Level Further consideration may be given for additional academic achievements. We do not accept General Studies or Critical Thinking as A2 Level qualifications.
Malaysian Matriculation (MATRICS)	CGPA of 3.50 or better, including the required science subjects of Biology and Chemistry.
Australian Year 12 (ATAR)	Based on an ATAR score of 85.5 as reflected on the transcript.
Foundation in Science	NUMed Foundation in Biological and Biomedical Sciences, with a minimum CGPA of 3.00. Monash University Foundation Year score of 80% and above. A minimum CGPA of 3.50 for other foundation programmes of at least a 12-month duration will be considered on a case-by-case basis.
All India Senior School Certificate	75%, based on average of the five best academic subjects, including the required sciences of Biology and Chemistry.
Indian School Certificate	75%, based on average of the five best academic subjects, including the required sciences of Biology and Chemistry.
Singapore Advanced Level	Minimum of BBB at H2 Level, or H3 Level merit. Subjects should include Biology and Chemistry.



EXAMINATIONS	REQUIREMENTS/GRADES
Sri Lanka A-Levels	Normally BBB. We take the 3 highest grades offered, and these must include Biology and Chemistry.
UEC	A score of 4 based on the average of the following subjects: Biology, Chemistry, Physics, Advanced Mathematics I and Advanced Mathematics II, with none of these subjects achieving less than B4. (A1 = 1; A2 = 2; B3 = 3; B4 = 4; B5 = 5; B6 = 6; C7 = 7; C8 = 8)
IB Diploma	Normally 30 points including the additional points available for the Theory of Knowledge/Extended Essay. No core subjects should be graded lower than grade 4.
STPM	Normally BBB.

The following will also be considered depending upon the grade(s) achieved:

- A polytechnic or university diploma
- Ontario Grade 12

Applicants with qualifications other than those listed should e-mail admissions@newcastle.edu.my to check if their qualifications are acceptable or not.

If you accept an offer from NUMed, you must provide us with original or certified copies of your qualification documents prior to commencing the course.

English Requirements

You must be proficient in both spoken and written English. You can demonstrate this through the IELTS test, or equivalent (e.g. TOEFL, MUET, SPM 1119). An IELTS minimum overall score of 6.5, with no individual band less than 6.0, or MUET Band 3 or better, must be achieved.

Age Requirements

You must be at least 17 years old at the time of enrolment.

Special Consideration/Disadvantage

Any statement regarding circumstances which may have seriously impaired your studies in the final year of your pre-university education that you may wish to put forward for special consideration must be submitted at the time of application.

You should note that NUMed will not give special consideration to such statements made at a later time.

Transfer from BSc (Honours) Biomedical Sciences to Medicine at NUMed

Students on the BSc (Honours) Biomedical Sciences programme may apply for transfer onto the MBBS degree programme offered by NUMed Malaysia at the end of the first year of study. This is a competitive scheme with a limited number of places and students are selected on the basis of academic performance in the first year, a personal statement and an interview. There are also graduate entry routes into medicine available at NUMed and Newcastle University, UK.



Accepting an Offer

Once you receive an offer of a place on the BSc (Honours) Biomedical Sciences programme, you must follow the instructions below to confirm your place:

1

Accepting your offer

To accept your offer, please complete the Offer Acceptance form sent along with your offer letter, and return it by e-mail to admissions@newcastle.edu.my by the date stipulated in your offer letter.

2

Confirmation of your acceptance

Upon receipt of your completed Offer Acceptance form, the NUMed Admissions team will send you an e-mail confirming your acceptance, together with instructions for the payment of a deposit to secure your place.

3

Paying your deposit

Once you have accepted our offer, to secure your place, you will be required to pay a deposit of RM5,000, which will be deducted from your first year's fees.

Payment must be made by the date stipulated in your original offer letter. An official receipt will be issued to you once we have received the payment.

If you have already completed your pre-university studies and your examination results meet our academic requirements for entry, your offer will be unconditional, and the deposit will be non-refundable.

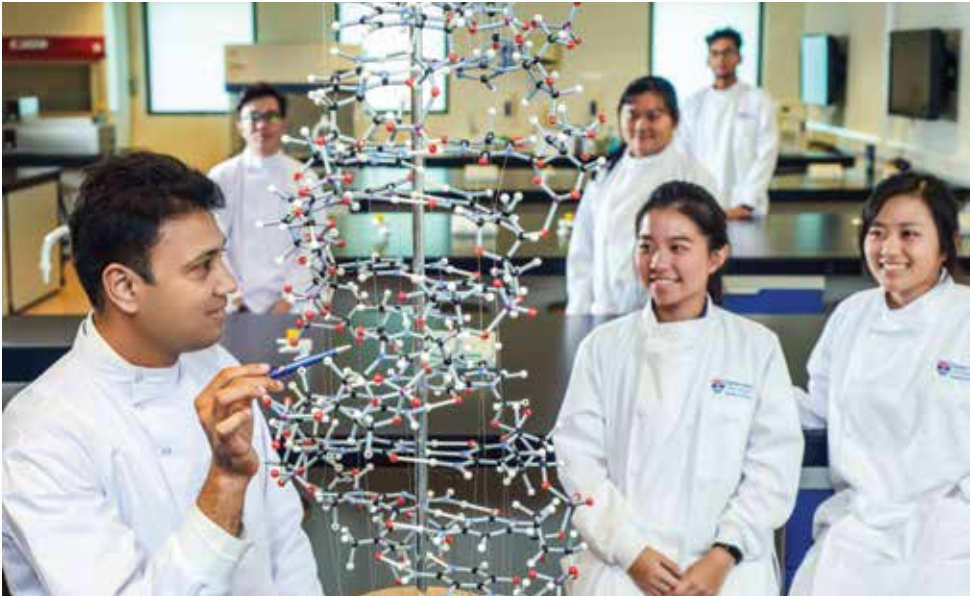
If you are still studying for your pre-university examinations, your offer will be conditional upon you achieving the required grades/results set out in your offer letter. If you do not meet the conditions of the offer, your deposit will be refunded in full. However, if you have accepted our offer and meet our conditions but decide later not to study at NUMed, your deposit will not be refunded.

4

Next steps

Once we have received your deposit, we will send you Student Accommodation information. You will receive our Welcome Pack and information on enrolment and induction in August 2020.

The Newcastle BSc (Honours) Biomedical Sciences 2 + 1 programme at NUMed and Newcastle University, UK



The study of Biomedical Sciences covers a diverse range of subjects relating to medicine and the understanding of life processes at all levels, from the molecular and cellular levels to the whole organism. New discoveries in Biomedical Sciences provide us with the prospect of finding new ways to prevent and treat a wide range of diseases that affect humankind.

Biomedical Sciences considers the molecular and cellular processes that change the functioning of both the healthy human body and disease states arising from metabolic and genetic causes and infectious diseases. The molecular basis of cancer, its diagnosis and its therapy are also discussed along with issues such as stem cell therapy, animal cloning and gene therapy. The BSc (Honours) Biomedical Sciences echoes the research strengths of the Faculty of Medical Sciences at Newcastle University and as such you will be exposed to the very latest ideas in medical research and you will learn how new scientific knowledge is formed and developed.

Outline of the 3-year BSc (Honours) Biomedical Sciences 2 + 1 Programme offered at NUMed and Newcastle University, UK

Our Biomedical Sciences programme is divided into two phases:

Phase 1 (Stage 1 and Semester 1 of Stage 2) and Phase 2 (Semester 2 of Stage 2 and Stage 3)

Note that the first two years of the programme (Stage 1 and Stage 2) will be taught at NUMed and the third year (Stage 3) of the programme will only be taught at Newcastle University, UK. In order for you to progress to the third year of the programme in the UK, you must have successfully completed the first two years of the programme in Malaysia and have obtained the relevant visa for you to enter the UK. Please note that although Newcastle University and NUMed will make every effort to assist you with your application to obtain a visa to enter the UK, this cannot be guaranteed and you are advised to carefully read the guidance for obtaining a visa at <https://www.gov.uk/tier-4-general-visa>

NUMed BMS Programme				
Phase 1			Phase 2	
Stage 1/Year 1 NUMed		Stage 2/Year 2 NUMed		Stage 3/Year 3 Newcastle University, UK
Semester 1	Semester 1	Semester 2	Semester 1	Semester 2

NUMed: Phase 1 (Stage 1 and Stage 2 Semester 1)

Phase 1 extends over the first 1½ years of the programme and is divided into two stages. Phase 1 provides a broad introduction to biomolecular sciences and therefore gives you the chance to try a broad range of topics, helping you to see where your interests lie before you study your specialist optional biomedical sciences modules in Phase 2. Each stage lasts for an academic year and you need to complete modules totalling 120 credits by the end of each stage to progress to the next year. Phase 1 consists of the study of the following modules:

NUMed

PHASE 1: STAGE 1 Semester 1

Biochemistry (15 credits)

- examines the structures of macromolecular components of the cell, including proteins and nucleic acids, with emphasis on the diseases arising from defects in these components.

Cell Biology (15 credits)

- covers the roles of membranes, cellular interactions, particularly in nerves and muscles, along with hormones and other forms of intercellular communication that integrate cellular function.

Genetics (15 credits)

- explains the basis of heredity and shows how genetic analysis can be accomplished in a range of organisms, but with emphasis on human genes.

Microbiology and Immunology (15 credits)

- emphasises the role played by microorganisms in disease and describes the range of recognition and effector systems employed to defend the body against infection.

Pharmacology (15 credits)

- introduces the principles underlying the rational use of drugs in the treatment of a wide range of medical conditions, explaining what drugs do to the body and what the body does to drugs.

Physiology (15 credits)

- involves the study of body function with emphasis on how organs and tissues work, on control mechanisms and on how the body responds to changes in the environment.

Practical Skills in Biomedical and Biomolecular Sciences 1 and 2 (15 credits each)

- introduces practical laboratory skills and generic skills including scientific writing, IT and presentation skills.



PHASE 1: STAGE 2 Semester 1

Principles and Practice of Molecular Techniques (20 credits)

- provides an integrated approach to studying modern molecular biological techniques, bioinformatics statistics and ethics.

Control of Eukaryotic Gene Expression (10 credits)

- covers mechanisms whereby eukaryotes regulate gene expression.

Cell Biology and Disease (20 credits)

- gives an understanding of how post-translational & cellular events lead to normal tissue function or disease.

Cell and Molecular Biology of the Immune System (10 credits)

- covers the underlying molecular & cellular events that lead to specific immune responses.

PHASE 2: STAGE 2 Semester 2

In Phase 2, you study a range of topics relating to health and disease. During Stage 2, Semester 2, you cover the immune system in relation to various types of human disease, the nervous system, respiratory diseases including bacterial and viral infection, and human anatomy.

[A choice between](#)

Neuroscience: From Cell to Cognition (20 credits)

- enables students to understand the basic principles of how the nervous system works, importance of the nervous system in controlling conscious and unconscious motor and sensory system behaviour and cognition.

or

Health and Diseases at Mucosal Surfaces (20 credits)

- enhances students' understanding of the key features of the human mucosal innate and adaptive immune systems, their dynamic interactions with the microbiota in the digestive, reproductive and respiratory tracts and their roles in health and disease.

Clinical Immunology and Viral Pathogens (20 credits)

- covers two strands. The clinical immunology strand considers the role of the immune system in human disease, and the virology strand considers the ways in which viruses cause human disease.

Human Anatomy (10 credits)

- develops a core knowledge and understanding of human anatomy.

Practical and Presentational Skills in Biomedical Sciences (10 credits)

- enhances students' practical skills in immunology and bacterial pathogenicity and develops students' written, oral and presentation skills.

Newcastle University, UK

PHASE 2: STAGE 3



Semester 1

In Stage 3, you choose from modules offered by our research institutes that cover disease-related topics including cancer, diseases of the nervous system, the genetics of common disease, chronic and nutritional-related disease, medical bio-technology and biology of ageing. You also undertake an individual research project in an area of Biomedical Sciences that particularly interests you. This may be a laboratory project in one of our internationally rated research institutes, a clinical study under the supervision of one of our medically qualified staff, a project working with a local school or college, or an IT-based project. Finally, you may also choose a vocational module, such as research in biomedical sciences, business for the bioscientist, science communication, or healthcare organisation and practice.

You will study three modules, one from each of the following lists:

List A

Clinical Ageing and Health (20 credits)

- considers firstly how and why older people become ill, and discusses the epidemiology and pathology of a range of chronic diseases of the elderly. Further to this, the module will consider issues around the care of the elderly and the impact of an ageing population on the UK and developing countries.

or

Immunology of Health and Disease (20 credits)

- examines human immunity in health and disease. Newcastle University has considerable research activity in these areas and this module will focus on examining recent findings and techniques, including those obtained from immuno-compromised patients.

or

Epidemiology (20 credits)

- introduces the methodologies underpinning epidemiological studies with selected examples focused on disease and public health issues.



List B

Chronic Disease (20 credits)

- considers a number of classes of disease and will highlight the underlying molecular physiology/biochemistry and/or behavioural factors that lead to these diseases.

or

Cancer Biology and Therapy (20 credits)

- provides a background to the molecular basis of cancer and its therapy. The various causes and cellular and genetic processes central to the development of cancer will be discussed, alongside how this understanding is being exploited for disease detection, diagnosis and therapy.

or

Disease of the Human Nervous System (20 credits)

- provides firstly an overview of the cellular anatomy, biochemistry and function of the human CNS, presenting a framework to help you understand the second part of the module where preclinical and clinical lectures, together with molecular pathology, will highlight the various diseases associated with the CNS.

List C

Genetics of Common Diseases (20 credits)

- addresses one of the major areas of current medical research and provides students with an understanding of the strengths and weaknesses of both the current subject knowledge in this area and the practical approaches to it. Understanding the genetics of common (complex) diseases has been identified as a major post-genome challenge.

or

Medical Biotechnology (20 credits)

- informs students of the range of therapeutic molecules and diagnostic tools developed by the biotechnology industry over the last few years, and identifies and explores new areas of research in the biotechnology industry.

or

Microbiota and Pathogens: Mucosal Microbiota, Protozoa and Fungi (20 credits)

- builds upon the students' knowledge of basic microbiology and will develop their understanding of the molecular cell biology, and evolution of the human microbiota and its role in health and disease in relation to selected pathogenic viruses, bacteria, protozoa and fungi. The module will provide an up-to-date review of the molecular cell biology and evolution of the human microbiota and pathogens as well as the interplay between them by focusing on selected bacteria, protozoa and fungi.

PHASE 2: STAGE 3 SEMESTER 2

Research Project (40 credits)

- provides an opportunity to undertake a piece of original research in a top-rated research laboratory in the Faculty of Medical Sciences, to write a dissertation based on the latest developments in a particular area of research, or to undertake an education or business-related project.

or

Experimental Design and the Process of Research (40 credits)

- is aimed at students who are interested in pursuing a laboratory-based career. At the core of the module is a hypothetical workplace scenario, which forms the basis of an extended practical project.

Integrated Biomedical Sciences (10 credits)

- develops students' ability to design experiments and interpret scientific data.

Vocational Module (10 credits)

- this can be any one of the following modules: Research in Biomedical Sciences, Business for the Bioscientist Healthcare Organisation and Practice, Science Communication, Bioethics or Bioinformatics.





Teaching, Learning and Assessment

Teaching and Learning

The BSc (Honours) Biomedical Sciences programme is delivered at NUMed under the authority of Newcastle University, UK, and the teaching, learning and assessment are equivalent to that which students studying in the UK receive.

The programme is taught through a mixture of lectures, practicals and small-group seminars. In seminars you may discuss the ideas covered in the lectures and the practicals, work through case studies or have detailed discussions of recent research papers. Throughout the course we emphasise the development of key skills such as oral and written presentation, teamwork and problem solving. We also ensure that you become competent in the use of computers for word processing, statistics, graphic presentation, data handling and analysis and literature searches.

Research Projects

The final-year project is the highlight of the programme and allows you to spend a period of time working on an original piece of work. The majority of students choose to do their project work in one of our seven research institutes, supervised by and working alongside leading scientists in their field. Some students choose to do a project of a different sort tailored to their

own vocational aspirations. For example, you may undertake a clinical project, an educational project or a business-related project. Projects undertaken by our students cover a diverse range of topics and may lead to scientific papers or patents.

Assessment

Assessment is based upon various course assignments and end of semester and/or end of year examinations. A major component of the final year is your research project, which accounts for one-third of the marks at Stage 3.

You are expected to demonstrate the appropriate level of attainment before being allowed to progress to the next stage. The assessment process is designed to encourage and reward transfer of learning from one stage to the next.

You will receive continuous feedback on your performance throughout the course.

Degree Classification

Candidates will be assessed for degree classification on the basis of all the modules taken at Stage 2 and Stage 3 with the weighting of the stages being 1:2 for Stage 2 and Stage 3 respectively

Student Life at NUMed

Living Expenses at NUMed

Living expenses depend on your financial resources, tastes and interests, and you are advised to set a budget according to your own individual needs.

As a guide, including your accommodation, we estimate that you should allow around RM2,000 per month to cover your living costs in Johor.

If you elect to undertake any period of study at our UK campus please refer to 'Student Life at Newcastle University, UK' below for an approximation of living costs there.

Recreation and the EduCity Iskandar Malaysia Sports Complex

As a NUMed student, you will have access to the sports, social and recreational facilities provided on campus, and to those provided by EduCity Iskandar Malaysia.

The common facilities shared by all students at EduCity include the world-class stadium and sports complex, which opened in August 2013. This sports complex includes:



Outdoor arena and pitches for field sports and athletics



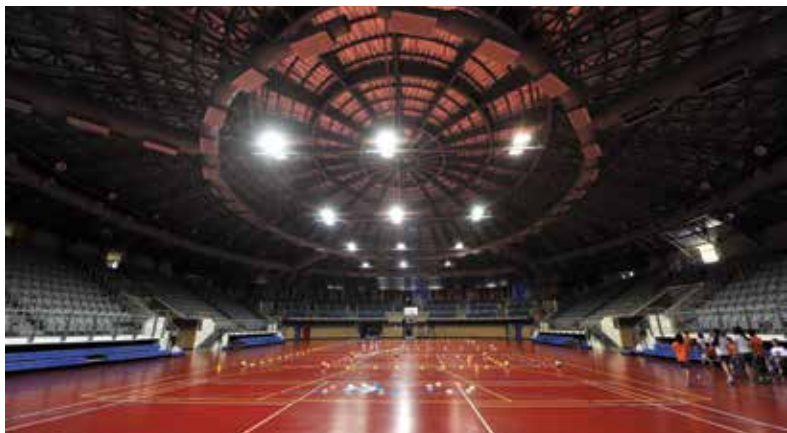
Indoor arena and facilities for sports such as badminton, volleyball, etc.



50-metre swimming pool



Gymnasium





Student Life at Newcastle University, UK

Your third year of studies will be carried out at Newcastle University in the north-east of the UK. We realise that continuing your studies in a new country and on a new campus will be both an exciting and daunting time. The university has a wide range of support services that can help you with your transition to study in the UK. Before you arrive in Newcastle we will send you pre-arrival information with details of our Welcome Service and a copy of our International Student Handbook.

We have a free collection service for our international students who arrive at Newcastle a week before the orientation week begins. An orientation programme is a fun way to find out more about living and studying at Newcastle, to make friends and to meet staff. This section of our brochure is designed to provide you with some more general and practical Information that will help you to settle in when you arrive in the UK.



The Campus

The majority of our teaching and learning activities will take place at our 20.25-hectare city centre campus that is right in the heart of Britain's favourite student city. This campus represents the hub of Newcastle student life, bringing together the main teaching facilities including the Faculty of Medical Sciences, where you will be based, and a wide range of student facilities. We recommend that you travel to Newcastle International Airport, which is only about 11km north-west of Newcastle, direct via Dubai, Amsterdam, Brussels, Copenhagen or Paris, to avoid passing through London where transiting is difficult. Newcastle is also located on the East Coast main train line and has good links with most other towns and cities in the UK.

Newcastle University Medical School was established in 1834 and by the 1990s the Medical School had become one of the largest in the UK, with a reputation for patient-directed research and innovation in the teaching of medicine and science. The Faculty of Medical Sciences at Newcastle University Medical School now consists of four academic schools (School of Biomedical, Nutritional and Sport Sciences, School of Dental Sciences, School of

Medical Education and School of Psychology) and seven Institutes, which are centres of research excellence, based on sites throughout the Newcastle area.

The School of Biomedical, Nutritional and Sport Sciences is located in newly refurbished accommodation in the Leech and Cookson wings of the Faculty of Medical Sciences. Accommodation includes a dedicated School Support Office, with an Administrator and eight secretarial staff. We also have a team of six technical staff who support our undergraduate teaching. The School has four large teaching laboratories and an undergraduate resource room. There are six lecture theatres in the Faculty accommodating between 100 and 450 students. All of our lecture theatres have undergone recent refurbishment and include state-of-the-art audio visual aids, along with a state-of-the-art lecture recording system (Recap) that can record lectures (slides and voice) to help support your studies.

There are also a number of seminar rooms/classroom for small group teaching accommodating up to 40 students each.

The School of Biomedical, Nutritional and Sport Sciences draws on staff in the Research Institutes in the Faculty to teach at all levels of our programmes, ensuring that our degree programmes reflect the very latest developments in Biomedical Research.

The Walton Medical Library, which is part of the University Library, is located on the 5th Floor of the Faculty of Medical Sciences and carries an extensive stock of books and journals relating to all the taught modules and the research of the Faculty. The Faculty also has four computer clusters with between 20 and 90 PCs each for the use of students. All clusters are open from 9am-5pm, Mondays to Fridays, with one cluster providing 24-hour access. There is also an undergraduate common room and cafeteria located on the ground floor.

Studying at Newcastle University is a passport to a whole world of opportunities. We believe in providing an education for life, giving you access to skills and experiences that will be of tremendous value throughout your university career and beyond. We provide hundreds of opportunities inside and outside the curriculum to boost your personal development, cutting-edge facilities, dedicated staff and some of the best teaching in the UK.

As with NUMed, we believe that Newcastle University provides you with a safe and secure environment, which encourages your learning, fosters collaboration, values the contribution of individuals and is based on mutual respect.

Student Support and Guidance at Newcastle University, UK

At the start of Semester 2 of your second year of studies at NUMed, you will be informed of your third year options and a detailed session about these options will be delivered before the Easter Holidays by the local NUMed Dean of Biomedical Sciences. In addition, a recorded version of the briefing session delivered at Newcastle University, UK, by the relevant module leaders will be made available to students at NUMed so that you can make an informed decision regarding your final year module choices.

Towards the end of your second year of studies, you will attend a compulsory induction programme detailing your final year of studies at Newcastle University, UK, and you will be given full details of principle staff at Newcastle University, UK, and the accommodation and support services that will be available.



Students in Malaysia will also be assigned a Newcastle University, UK, tutor at the start of Semester 2 Year 2 in addition to their tutor at NUMed, and you will be encouraged to contact your tutor in Newcastle by email, Skype and/or video-conferencing prior to starting in the UK. In addition, Skype or video-conferencing will be used to introduce senior staff from Newcastle University, UK, to second year students in Malaysia.

During the induction week of your first semester at Newcastle University, UK, you will attend a general induction session, a session on student support and services, and a general study skills session, which will be delivered by the Head and Deputy Head of the School of Biomedical, Nutritional and Sport Sciences. General information about your programme, as described in the Degree Programme Handbook, will also be provided. In addition, a separate induction to IT at Newcastle will also be arranged.

You will also be inducted with the continuing students at Newcastle University, UK, with respect to detailed programme information, and the timetable of lectures, practicals, labs, tutorials, etc. by the Chair of the Biomedical Sciences Curriculum Committee at Newcastle University, UK, and you will be introduced to the final year project by the module leader.



Student Accommodation at Newcastle University, UK

When you arrive at Newcastle University, UK, you will be guaranteed a place in our university student accommodation, if you wish.

We have a range of competitively priced accommodation to choose from – all within easy reach of the campus and the city centre – and a dedicated Accommodation Service to help you find the place that is right for you and your requirements. Staying in university accommodation gives you the chance to make new friends and enjoy being part of a supportive community as you settle into life in a new country. We have traditional halls of residence and a number of purpose-built flats. We can also advise you on private accommodation if you do not wish to stay in university accommodation.

Indicative weekly room rates for the Newcastle University accommodation range from RM570 per week for a single room with shared facilities to RM695 per week for a single room with personal en-suite facilities.

More information on the Newcastle University Accommodation Service can be obtained at <https://www.ncl.ac.uk/accommodation/>.

Living Expenses in Newcastle University, UK

Living expenses depend on your financial resources, tastes and interests, and you are advised to set a budget according to your own individual needs.

As a guide, including your accommodation, we estimate that you should allow around RM6,000 per month to cover your living costs in Newcastle.

Sport at Newcastle University, UK

We have a strong sporting reputation at Newcastle University, UK, having finished in the top 10 out of 148 higher education institutions in the British Universities and Colleges Sports (BUCS) table in 2014/15 (that is a top 15 finish in the last eight years). It does not matter whether you are an international athlete or an absolute beginner, it could not be easier to make sport part of your student experience at Newcastle.

We have more than 60 student-led sports clubs at Newcastle University and they cover a wide range of competitive and recreational sports under the banner 'Team Newcastle'. Our indoor facilities are located in the Sports Centre on campus and include 125 health stations, a dance studio, four squash courts, a double court sports hall, two multi-purpose rooms and a strength and conditioning suite (gymnasium). The University's outdoor sporting facilities are located just a short distance from the campus and include a range of high quality pitches for football, rugby, tennis and lacrosse as well as two all-weather floodlit pitches. Students can also join our rowing and canoeing clubs, which are based at our water sports centre on the banks of the Tyne River.

Newcastle University Students' Union

Newcastle University Students' Union (NUSU) is a gateway to a whole variety of different experiences to help you meet new people, discover new interests and develop valuable new skills.

The Students' Union is run by and for students. The role of the Union is to represent the entire student body and there are lots of ways for you to become involved, including becoming a course representative.

The Students' Union re-opened in autumn 2011 after an £8 million refurbishment to its home in the heart of the campus. There are now computer clusters with 24-hour access, special study pods and a brand new student advice centre. The Students' Union also supports more than 200 student societies and sports clubs covering different sports, subjects and cultural interests.

After You Graduate

Upon successful completion of the entire programme you will be awarded the BSc (Honours) Biomedical Sciences, which will be conferred by Newcastle University, UK.

Career Paths

There is a great demand for graduates in the biomedical and biomolecular sciences within the health services and industry to lead or work as part of research teams, and many of our graduates choose this career path. Industries employing bioscientists for research and development include pharmaceuticals, biotechnology, chemicals, cosmetics and toiletries, and food and drink. With a biosciences-related degree you could undertake medical, veterinary and agricultural research in universities and research institutes. Hospitals and public health laboratories also employ a large number of bioscientists.

A significant proportion of our graduates choose to take a further degree (either an MSc or PhD) before embarking on permanent employment. This is a step in a career path that can lead to senior, decision-making roles. Each year a number of our students use our degrees as a route for graduate entry into medicine or dentistry.

Apart from laboratory work, there are many other ways to use your degree. Some of our graduates choose to enter the legal side of the subject, using their scientific knowledge to advise on patenting, whilst others opt for careers such as scientific journalism.

Our graduates also embark on careers unrelated to the biomedical sciences, in management, accountancy and IT, for example. Whichever career you choose, you can be sure that you will receive our advice and wholehearted support.

As an alumnus of NUMed and a Newcastle graduate, you are entitled to become a member of our Graduate Society and Newcastle's Alumni Association.

For more information

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Disclaimer

Although great care is taken in compiling the Guide, it is for the general guidance of prospective students only. This publication is intended for those who are interested in applying for admission to the University in 2020 and is intended as advance publicity for information and guidance purposes only. Details included are correct at the time of going to print in September 2019. The most up-to-date and detailed source of information at any time is the undergraduate website at <https://www.ncl.ac.uk/numed/study/undergraduate/>.

The matters covered by this publication are subject to change from time to time, both before and after a candidate's admission. Unavoidable changes may on occasion have to be made, affecting the availability of programmes, subjects, modules and options within programmes, and of additional opportunities such as placements, field trips and exchange visits. Reasons for change could include timetabling issues, changes in staff, requirements of programme-accrediting bodies and academic changes within subject areas, or be due to minimum student numbers on a course.

The University is not responsible for the content of any websites which do not form part of the Newcastle University Medicine Malaysia domain (<https://www.ncl.ac.uk/numed/>) and whose addresses are given in this publication.