

Programme Regulations 2025/26

Degree of Bachelor of Science with Honours in:

Biomedical Sciences – 2+1 Provision with Newcastle University Medicine Malaysia 1213U/B941

Notes

- (i) *These programme regulations should be read in conjunction with the University's Taught Programme Regulations.*
- (ii) *All optional modules are offered subject to the constraints of the timetable and to any restrictions on the number of students who may be taught on a particular module. Not all modules may be offered in all years and they are listed subject to availability.*
- (iii) *Unless otherwise stated under 'Type' modules are not core.*
- (iv) *A compulsory module is a module which a student is required to study.*
- (v) *A core module is a module which a student must pass, and in which a fail mark may neither be carried nor compensated; such modules are designated by the board of studies as essential for progression to a further stage of the programme or for study in a further module.*
- (vi) *All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.*
- (vii) *Stage 1 and Stage 2 will be offered at Newcastle University Medicine Malaysia (Iskandar Puteri Campus) whilst Stage 3 will only be offered at Newcastle University UK.*
- (viii) *NUMed students will be required to comply with current MoH and Malaysian Government Guidance in relation to vaccination requirements.*

1. Programme Structure

1.1 Stage 1 – Newcastle University Medicine Malaysia (Iskandar Puteri Campus)

- (a) All candidates shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type	Mode
BMN1001	Biochemistry	15	15		4	Core	
BMN1002	Cell Biology	15	15		4	Core	
BMN1003	Genetics	15	15		4	Core	
BMN1011	Professional and Practical Skills for Bioscientists	30	15	15	4	Core	
BMN1005	Microbiology and Immunology	15		15	4	Core	
BMN1006	Pharmacology	15		15	4	Core	
BMN1007	Physiology	15		15	4	Core	

- (b) In order to pass BMN1011 candidates must achieve an overall module mark of at least 40% and achieve at least 40% in all Semester 2 assessments.

If a candidate achieves an overall module mark which is below 40%, despite all Semester 2 assessments being passed, the candidate will fail the module and will be required to complete a resit assessment. The resit will be determined by the Board of Examiners.

If a candidate achieves an overall module mark of 40% or more but does not achieve 40% or more in all Semester 2 assessments, the candidate will fail the module and will be required to resit the failed Semester 2 assessments.

All candidates must demonstrate competency by passing the practical skills (Lab exercise) assessment integrated throughout the module. Opportunities to pass the assessment will be provided during Stage 1 of the programme and candidates must pass the assessment prior to progressing to Stage 2.

- (c) The University rules for compensation may be applied when considering the returned fail mark of 35%. **Note that all Stage 1 modules are core and therefore may not be compensated.**

1.2 Stage 2 - Newcastle University Medicine Malaysia (Iskandar Puteri Campus)

- (a) All candidates shall take the following compulsory modules:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>	<i>Type</i>	<i>Mode</i>
BMN2000*	Essential Biomedical Research Skills	20	20		5	Core	
BMN2001	Control of Eukaryotic Gene Expression	10	10		5		
BMN2004	Cell and Molecular Biology of the Immune System	10	10		5		
BMN2006	Cell Biology and Disease	20	20		5		
BMN2011	The Nervous System and Respiratory Diseases	20		20	5		
BMN2012	Clinical Immunology and Viral Pathogens	20		20	5		
BMN2013	Practical and Presentational Skills in Biomedical Sciences	10		10	5		
BMN2007	Human Anatomy	10		10	5		

**In order to pass the core BMN2000 module, candidates must achieve a mark of at least 40% and attend all compulsory practical sessions.*

1.3 Industrial Placement

- (a) Malaysian students are required to successfully complete an Industrial Placement to meet the requirements of the Malaysian Qualification Agency (MQA) and Malaysian Allied Health

Professional Council (MAHPC). International students can also complete the industrial placement; however, it is not compulsory.

- (b) Candidates undertaking the Industrial Placement are required to undertake a total of 520 hours of industrial placement and 80 hours of independent study. Candidates must also submit a logbook for each placement module. 200 hours are allocated to BMN1030 and 400 hours to BMN2030. Placements will take place during Stage 1 and Stage 2 of the programme and the academic year is extended to accommodate this. The timing of the placement hours is flexible, and some placement activity may be undertaken during Semester 2. Timings must be agreed by the Degree Programme Director and availability and timings of placements may differ from the published dates. Candidates will be notified in advance of their placement timings and should ensure that they are available to undertake their placements during the allocated times.
- (c) Candidates who are required to re-sit their Stage 1 or 2 assessments may be required to delay the start of their placement. Candidates who fail Stage 1 or 2 may not complete the placement modules.
- (d) Candidates completing the industrial placement shall take the following compulsory modules:

Stage 1

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Credits Sem 3</i>	<i>Level</i>	<i>Type</i>
BMN1030	Industrial Placement - Basic	20		5	15	5	

Stage 2

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Credits Sem 3</i>	<i>Level</i>	<i>Type</i>
BMN2030	Industrial Placement – Diagnostic Labs	40		5	35	5	

- (e) In order to pass the industrial placement candidates must achieve a pass grade for the logbook and complete the required placement hours for both placement modules (BMN1030 & BMN2030). If the logbook is failed, candidates will have the opportunity to resubmit the logbook in order pass the module. If the required placement hours have not been reached or additional placement hours are required, arrangements will be agreed by the Degree Programme Director and Placement Supervisor.
- (f) Candidates will not normally be permitted to repeat with attendance the placement modules. Failure of the placement modules will not impact progression to the next stage of the programme, nor will it preclude candidates from being considered for the award. However, Malaysian students who do not successfully complete the industrial placement will be unable to register with the Malaysian Allied Health Professional Council.

Stage 3 – Newcastle University (UK Campus)

(a) All candidates will transfer to B941– BSc Hons Biomedical Sciences (Newcastle UK Campus)

(b) All candidates shall take the following compulsory modules in semester 2:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type	Mode
CMB3000	Project	40		40	6		

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type	Mode
BMS3008	Integrated Biomedical Sciences	10		10	6		

(c) All candidates shall take one optional module from each of the following lists:

List A:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type	Mode
BMS3010	Genetics and Human Disease	20	20		6		
Or							
BMS3021	Immunology of Health and Disease	20	20		6		
Or							
BMS3017	Clinical Ageing and Health	20	20		6		

List B:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type	Mode
BMS3012	Cancer Biology and Therapy	20	20		6		
Or							
BMS3013	Diseases of the Human Nervous System	20	20		6		
Or							
BMS3020	Chronic Disease	20	20		6		

List C:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type	Mode
BMS3023	Epidemiology	20	20		6		
Or							
BGM3039	Medical Biotechnology	20	20		6		
Or							
MIC3046	Microbiota and Pathogens	20	20		6		

(d) All candidates shall take one optional module from the following list:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type	Mode
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BMS3007	Research in Biomedical Sciences	10	10		6		
BMS3003	Business Enterprise for the Bioscientist	10	10		6		
BMS3015	Health and Illness: Professional and Societal Perspectives	10	10		6		
BMS3016	Science Communication	10	10		6		
BMS3022	Bioethics	10	10		6		
BMS3025	Bioinformatics	10	10		6		

Candidates select the research module appropriate to their named degree.

2. Assessment Methods

Details of the assessment pattern for each module are explained in the module outline.

3. Degree classification

- (a) Candidates will be assessed for degree classification on the basis of all the modules taken at Stages 2 and 3 with the weighting of the stages being 1:2 for Stage 2 and Stage 3 respectively.
- (b) Exit velocity will not be used: the stages are already weighted (1:2 for BSc degrees).
- (c) Performance in individual modules will not be used for promotion.
- (d) The Placement modules do not contribute to the degree classification calculation but must be passed to allow Malaysian students to register with the Malaysian Allied Health Professional Council, enabling them to work in Malaysia as biomedical scientists in diagnostic labs.
- (e) A candidate will be promoted if their final weighted average lies within 1% of the borderline (after rounding) **AND** 50% or more of the module credits are in the higher degree class(es) at **both** Stage 2 and Stage 3, with no more than 40 module credits in classes two or more below the proposed final class.
- (f) In accordance with university regulations, a candidate with a weighted average up to 2% below a classification borderline will be **considered** (with any special circumstances being noted) by the Board for promotion to the higher degree classification by use of discretion. Note however that a requirement to *consider* using discretion is not a requirement to use discretion.

4. Transfer Opportunities

Candidates may have the opportunity to transfer to BSc Biochemistry or BSc Biomedical Sciences offered by Newcastle University after the first year of study. Candidates may also apply for transfer onto the MBBS programme offered at Newcastle University Medicine Malaysia. This will be a competitive scheme with a limited number of places as determined by the CEO of Newcastle University Medicine Malaysia.