

# Programme Specification

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## Title of programme: BM(EU) Programme 2016-17

This specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if s/he takes full advantage of the learning opportunities that are provided.

Awarding Institution	University of Southampton
Teaching Institution	University of Southampton
Mode of Study	Full-time
Duration in years	5 Years following standard progression for a full-time student
Accreditation details	Currently accredited by the UK General Medical Council
Final award	Bachelor of Medicine, Bachelor of Surgery
Name of award	Bachelor of Medicine, Bachelor of Surgery
Interim Exit awards	Certificate of Higher Education in Biomedical Sciences, Diploma of Higher Education in Biomedical Sciences, Bachelor of Medical Sciences
FHEQ level of final award	6
UCAS code	n/a
QAA Subject Benchmark or other external reference	Medicine
Programme Lead	Dr Clare Polack
Date specification was written	08/08/2014. Revised 21.3.15
Date Programme was validated	15/11/2012
Date specification was last updated	04/08/2016

## Programme Overview

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### Brief outline of the programme

This programme leads to the qualification of Bachelor of Medicine, Bachelor of Surgery, which, as a Primary Medical Qualification, enables graduates to gain provisional registration with the UK General Medical Council and apply to work as a Foundation Year doctor.

The first two years of the programme are spent in Southampton and the majority of Years 3-5 in Germany.

All students achieve an unclassified integrated Bachelor of Medical Science (BMedSc) ordinary degree on successful completion of year 3 of the programme (details of the credits can be found in appendix 3); except those selected students who successfully apply to transfer onto an integrated Masters in Medical Science (MMedSc) degree.

### Learning and teaching

A wide range of learning and teaching methods are employed. In Year 1 this is predominantly classroom based; including lectures, tutorials, practical classes and guided self-study using on line learning. There is a structured clinical module, Medicine in Practice, providing early patient contact.

Learning in Year 2 is similarly classroom based but with a greater contribution of early clinical contact with the Medicine in Practice 2 module.

The research project in Year 3 is a 16 week study in depth of scientific research, clinical research or service evaluation leading to the completion of a dissertation and presentation at an internal Faculty conference

Year 3 also includes a bespoke module of the BM(EU) programme called German Medical Practice (GMP). This module encourages students to compare German and British medical practice, reflect on communication styles in both countries and learn German specific practice not covered in a UK curriculum.

The remainder of the course is almost exclusively clinical in a wide range of healthcare settings. The majority of years 3-5 take place in Germany in Kassel and the surrounding area. In year 5 students return to the UK for 3 months to undertake a UK clinical module and sit final examinations.

### Assessment

The Faculty's assessment policy is that all assessments will be offered formatively before they are undertaken summatively. The range of assessments reflects the range of learning outcomes and includes: Multiple choice examinations, written problem solving examinations, practical papers for Anatomy, written reports, reflective writing; learning log books and clinical assessments which take the form of Objective Structured Clinical Examinations (OSCE) and Assessments of Clinical Competence (ACC)

Progress from one year of the programme to the next will depend upon the successful completion of the appropriate modules, and freedom from health, behavioural and conduct problems relevant to future employment as a medical practitioner. Further details are available in the Fitness to Practice regulations.

**Please note:** As a research-led University, we undertake a continuous review of our programmes to ensure quality enhancement and to manage our resources. As a result, this programme may be revised during a student's period of registration, however, any revision will be balanced against the requirement that the student should receive the educational service expected. Please read our [Disclaimer](#) to see why, when and how changes may be made to a student's programme.

Programmes and major changes to programmes are approved through the University's programme validation process which is described in the University's Quality Handbook.

## Educational Aims of the Programme

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The programme aims to help you develop into a doctor able to carry out the role of a Foundation Year One Doctor; a graduate with the capability to develop, learn and work in a wide variety of settings, nationally and globally, in the context of emergent changes to systems and populations.

Within this broad aim some of the key specific aims are to:

- Enable you to become a competent practitioner in a modern, changing health service and society;
- Encourage you to think critically and develop the ability to learn independently;
- Develop the key skills and attitudes which underpin high quality professional practice;
- Provide you with a stimulating, open and supportive environment;
- Enable you, after graduation, to undertake the duties and further studies appropriate to a Foundation Year One Doctor following graduation;
- Provide you with a programme of study and skills development that will enable you to become a competent practitioner with the capability to follow a career in general practice or in a wide range of specialties;
- Enable you to work in a multidisciplinary team, valuing and respecting colleagues.

It is essential that you understand that learning to be a doctor requires you to develop professional behaviour as well as knowledge and skills; we expect this to start from the beginning of the programme and develop as you progress.

The programme delivers the main learning outcomes under the framework provided through the GMC's *Good Medical Practice* which sets out the principles of professional practice which must form the basis of medical education.

### The duties of a doctor registered with the General Medical Council

Patients must be able to trust doctors with their lives and health. To justify that trust you must show respect for human life and make sure your practice meets the standards expected of you in four domains.

Knowledge, skills and performance

- Make the care of your patient your first concern.
- Provide a good standard of practice and care.
  - Keep your professional knowledge and skills up to date.
  - Recognise and work within the limits of your competence.

Safety and quality

- Take prompt action if you think that patient safety, dignity or comfort is being compromised.
- Protect and promote the health of patients and the public.

Communication, partnership and teamwork

- Treat patients as individuals and respect their dignity.

- Treat patients politely and considerately.
- Respect patients' right to confidentiality.
- Work in partnership with patients.
  - Listen to, and respond to, their concerns and preferences.
  - Give patients the information they want or need in a way they can understand.
  - Respect patients' right to reach decisions with you about their treatment and care.
  - Support patients in caring for themselves to improve and maintain their health.
- Work with colleagues in the ways that best serve patients' interests.

#### Maintaining trust

- Be honest and open and act with integrity.
- Never discriminate unfairly against patients or colleagues.
- Never abuse your patients' trust in you or the public's trust in the profession.

You are personally accountable for your professional practice and must always be prepared to justify your decisions and actions

## Programme Learning Outcomes

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The UK General Medical Council defines the learning outcomes of Undergraduate medical programmes in its ['Outcomes for Graduates' document](#) and categorises them as “the Doctor as a Scholar and a Scientist”, “The Doctor as a Practitioner” and “the Doctor as a Professional. The programme learning outcomes therefore align with these.

## Knowledge and Understanding

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### The doctor as a scholar and a scientist

Having successfully completed this programme you will be able to:

- [1.1] Apply to medical practice biomedical scientific principles, method and knowledge relating to: anatomy, biochemistry, cell biology, genetics, immunology, microbiology, molecular biology, nutrition, pathology, pharmacology and physiology.
- [1.2] Apply psychological principles, method and knowledge to medical practice.
- [1.3] Apply social science principles, method and knowledge to medical practice.
- [1.4] Apply to medical practice the principles, method and knowledge of population health and the improvement of health and healthcare.
- [1.5] Apply scientific method and approaches to medical research.

### Teaching and Learning Methods

- Teaching is integrated so that the natural, social and behavioural scientific disciplines are taught together in a clinical context;
- Three themes run through the programme: Communication, Diversity, and Team Working, Leadership and Patient Safety
- Specific teaching and learning methods used include: lectures, tutor led tutorials, practicals, guided self-study, problem solving scenarios, role play, projects, group work, portfolios, study packs, eLearning, patient-based learning. Clinical teaching takes place from the start of the programme, and occurs in groups and singly in a wide variety of NHS and non-NHS settings.
- There is a focus on those designed to develop enquiry and practical skills; such as lectures, tutor-led tutorials, practicals and eLearning.

### Assessment methods

A range of assessment methods are used depending on the learning outcomes being assessed.

- Coursework will include: essays, reports, posters, project reports and presentations;
- Examinations will include written tests and tests of clinical performance

## Subject Specific Intellectual and Research Skills

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These are covered in the section above “knowledge and understanding”

## **Transferable and Generic Skills**

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Having successfully completed this programme you will have a range of generic skills. Some are entwined in the subject specific intellectual and research skills and subject specific practical skills section of this document; but you will also specifically be able to:

- apply theoretical knowledge to practical situations in a wide variety of settings;
- gather information from a range of sources to enable you to develop a comprehensive understanding of complex situations;
- assess complex problems (including high pressure and emergency situations) and be able to develop an action plan to manage them;
- demonstrate high level communication skills;
- negotiate with a wide range of people;
- use computers and other information sources to enable you to undertake a range of tasks;
- understand and demonstrate confidentiality in the handling of data;
- show a reflective approach to work and learning;
- teach peers and colleagues;
- manage your time and prioritise tasks, working autonomously where appropriate;
- respond to the outcome of your own appraisal and contribute to the development and appraisal of colleagues;
- work effectively as a member of a multidisciplinary team, respecting the contributions of all team members;
- deal effectively with uncertainty and change;
- demonstrate understanding of health and safety, quality assurance and risk management in the workplace;
- demonstrate awareness of the importance of the use and prioritisation of resources.

### ***Teaching and Learning Methods***

- All modules will enable you to learn how to apply theoretical knowledge to a wide range of settings and will encourage you to gather information to help you understand problems. This skill will be further developed as you learn to take histories from patients in clinical modules. In clinical modules in particular you will learn the importance of time management, prioritisation, multidisciplinary team working, management of uncertainty and change, and use of resources;
- Throughout the programme, you will use a portfolio approach to reflection; supplemented by tutorials and your annual PPDR (Personal performance and development review) ;
- You will participate in tutorials to prepare you to prepare for and undertake peer teaching sessions and will be expected to demonstrate teaching during case based presentations;
- You will be required to participate in an annual appraisal (PPDR) with your personal tutor as noted above and will be expected to provide feedback for colleagues and teachers which can contribute to their PPDRs

### ***Assessment methods***

- Many of these skills will be assessed in the clinical sign off elements of assessment of clinical modules;
- Some aspects of dealing with change and high pressure situations will be assessed through assessment of Intermediate Life Support;
- Your portfolio will be assessed by your tutors throughout the programme;
- Peer teaching will be assessed by tutors and peers.
- Some of these skills, which focus on the development of many of the behaviours required of you as a professional in the workplace, are not assessed by examinations, but through our Student Progress processes; and are covered by the University's Fitness to Practice policy and procedures.

## **Subject Specific Practical Skills**

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### **The doctor as a practitioner**

Having successfully completed this programme you will be able to:

- [2.1] Carry out a consultation with a patient.
- [2.2] Diagnose and manage clinical presentations.
- [2.3] Communicate effectively with patients and colleagues in a medical context.
- [2.4] Provide immediate care in medical emergencies.
- [2.5] Prescribe drugs safely, effectively and economically.
- [2.6] Carry out practical procedures safely and effectively

[2.7] Use information effectively in a medical context.

### ***Teaching and Learning methods***

- Most teaching will be patient-based; supplemented by clinical skills work. There will also be tutorials, lectures, role play, group work, eLearning, case based discussions and presentations.
- There is early patient contact through the Medicine in Practice modules, which include weekend shift placements as a Healthcare Assistant in a hospital;
- Clinical skills simulation is used to teach clinical skills before they are used in practice;
- A wide range of clinical placements are available to enable you to become confident in all aspects of clinical medicine.
- Doctors work in shift patterns and rotas throughout much of their working lives and to prepare you for such working once you graduate, throughout your programme you will be expected to undertake placements in the evenings, nights and at weekends. This will not be an onerous requirement and will be negotiated well in advance so that students with carers' requirements will be able to ensure appropriate arrangements are in place for cover. At later stages in your programme, particularly during the Assistantship module, you will be expected to undertake some night working, again in order to prepare you for your future working life.

### ***Assessment methods***

A range of assessment methods are used depending on the learning outcomes being assessed.

- Coursework can include: essays, reports, posters, project reports, learning log books, reflections, clinical skills sign offs, case based discussions and presentations;
- Examinations will include written tests and tests of clinical performance;
- There will be formative assessment of clinical performance throughout clinical modules, and summative clinical assessments. Assessments of clinical performance take two main forms:
  - the Objective Structured Clinical Examination (OSCE)
  - The Assessment of Clinical Competence (ACC) assessments which are undertaken during clinical modules in a continuous manner for all students and are part of the Finals examination for some students.

## **Disciplinary Specific Learning Outcomes**

### **The doctor as a professional**

Having successfully completed this programme you will have become a medical professional which means that you will:

- [3.1] Behave according to ethical and legal principles.
- [3.2] Reflect, learn and teach others.
- [3.3] Learn and work effectively within a multi-professional team.
- [3.4] Protect patients and improve care.

### ***Teaching and Learning Methods***

- Teaching is integrated so that professionalism skills are taught alongside knowledge and understanding and practical skills.
- Explicit teaching and learning methods used include: lectures, tutorials, guided self-study, problem solving scenarios, reflection, group work, learning log books and case based discussions.
- In addition role modelling by staff and colleagues is a key method of teaching and learning in this area.

### ***Assessment methods***

- Assessment of professionalism is embedded in all clinical module assessments as well as OSCE and ACC assessments.
- It is also embedded within some of the early years modules.
- Some of these skills are not assessed by examinations, but through our Student Progress processes; and are covered by the University's Fitness to Practice policy and procedures.

## Programme Structure

### Typical course content

The BM(EU) programme delivers a comprehensive range of opportunities for you to meet the learning outcomes and graduate as a doctor equipped to practice in the 21<sup>st</sup> Century. Medicine is by nature a wide ranging discipline and you will not be able to study every aspect of every speciality as an undergraduate. However, the course is structured to provide you with a solid base from which to progress into the Foundation programme.

There is a bespoke module unique to the BM(EU) in Year 3- German Medical Practice. This will allow you to explore and reflect on similarities and differences between the UK and German Health Systems.

There are Student Selected Units in years 1 and 5, providing you with opportunities to explore areas that particularly interest you; with the focus in the year 5 SSU on exploring areas of interest for your future career. You will also be able to select your year 3 research project from a range of research fields, providing you with further opportunities to explore areas of interest. If you are interested in developing an academic career there is the opportunity to transfer internally to study for the MMedSc award.

### Special Features of the programme

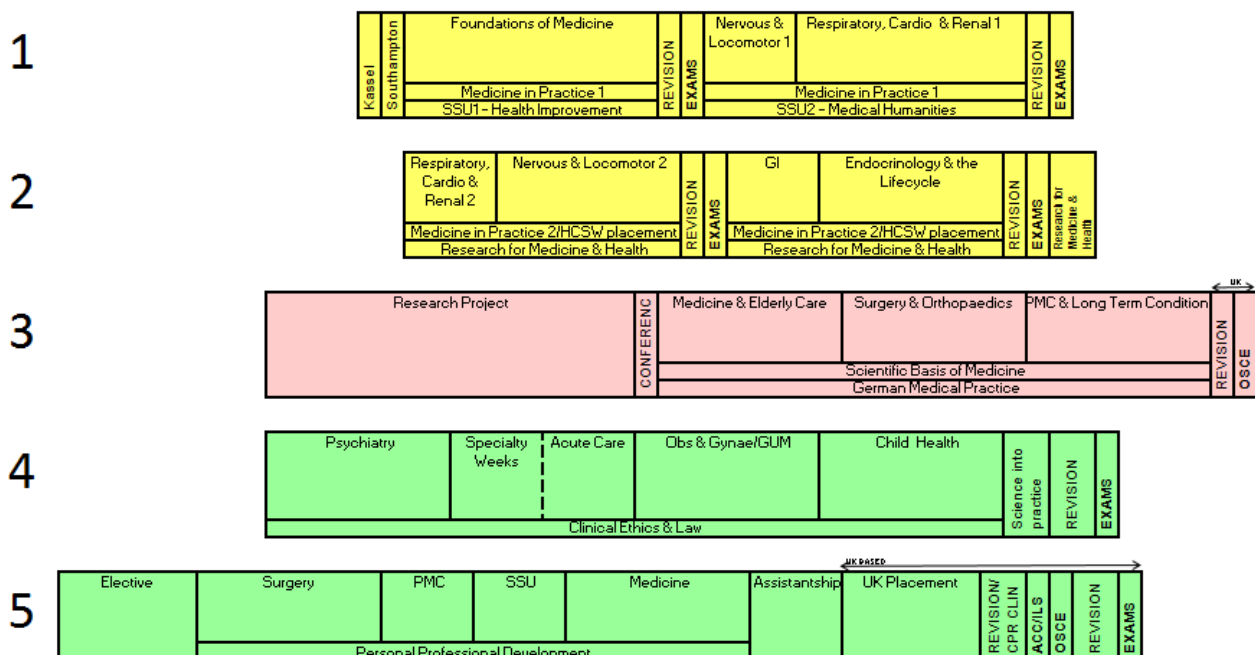
The BM(EU) is unique in allowing you to study in both the UK and Germany. You will remain a University of Southampton student throughout the programme and will undertake the same end of year assessments as your colleagues on the other BM programmes.

A particular feature of the programme is the focus on helping you to undertake learning in the workplace. All students will undertake weekend shifts as a Healthcare Support Worker in year 2. Further shift working, evenings, nights and weekends may be required in year 4 and will be required in year 5 when you undertake your student assistantship module, to help you prepare for work as a Foundation Year doctor. All students have the opportunity to undertake study abroad in the Clinical Elective module in year 5.

### Programme details

A diagrammatic illustration of the five-year curriculum is shown below.

Key:  Fundamentals of medicine  
 Progression into clinical practice  
 Developing clinical practice



You will study on the programme over five years full time leading to a qualification that will allow you to gain provisional registration as a medical practitioner with the GMC.

The programme is split into three distinct phases. The Fundamentals of Medicine phase takes place over the first two years and is made up of four University semesters; the Progression into Clinical Practice Phase takes place in year 3.. The Developing Clinical Practice phase takes place through Year 4 and Year 5 and ends with the Year 5 examinations.

The programme is modular; modules are assigned credits for the European Credit Transfer Scheme (ECTS). The programme is totally integrated to award the BMBS honours degree and the BMedSc Ordinary degree. A BMedSc honours degree can only be awarded alone as an exit degree. There are defined exit points with appropriate academic awards after successfully completing each year of the programme, which you may apply for if you leave the programme. All modules on the programme are core and must be passed in order to progress and graduate. There cannot be compensation between any modules in any part of the programme.

Students will be offered the opportunity to apply to study for an additional year after Year 3 to obtain an Undergraduate Masters in Medical Sciences (Integrated). Places are limited to a maximum of 25 per year and students are selected on their academic performance in Years 1 and 2 of the BM(EU) programme, a personal statement and an interview. Acceptance is conditional on satisfactory performance in the Year 3 assessments. Details of the Integrated MMedSc can be found in the MMedSc Programme Specification.

Modules in Years 1 and 2 are based around integrated body systems; later modules are based on clinical disciplines. There are also three themes that run through the programme: Communication, Diversity, and Teamworking, Leadership and Patient Safety. Clinical Skills are taught in the Medicine in Practice modules initially, then developed further in the clinical skills components of the clinical modules.

The curriculum is made up of core material and other areas where you have some choice over what you study. There are student selected units (SSUs) in Years 1 and 5. You also have some choice in the field of research for the Research Project in Year 3 and have further choice of the setting for your Elective. The BM(EU) programme has a number of other distinctive features, including:

- An opportunity to learn in two different health care environments
- An integrated approach to teaching using a variety of methods including lectures, practicals, symposia, projects and clinical experience. Years 1 and 2 focus on four approaches to learning and teaching: eLearning, lectures and symposia, patient cases and work in small groups;
- Early clinical contact to give a strong clinical context;
- Workplace based learning in Year 2 where students undertake placements in the role of Healthcare Support Workers in a variety of hospital wards supplemented by tutorials to help develop understanding of Interprofessional Teamworking and its importance in patient safety;
- Where appropriate, shared clinical learning with other healthcare professional students or qualified practitioners;
- A 6 week module in the UK in Year 5
- Assessments in Years 3,4 and 5 to aid integration of the sciences in a clinical context;
- The award of a degree of Bachelor of Medical Sciences on successful completion of Year 3. The Research Project requires students to write up their research in the form of a report and give a presentation of their work at a Faculty conference. This develops a number of important skills such as time management, critical appraisal and research skills;
- A guaranteed foundation post within the Gesundheit Nordhessen Holding (GNH).

On obtaining your BMBS degree you will receive provisional registration as a medical practitioner from the UK General Medical Council (GMC). Under European directive 2005/36 you can apply for a temporary permit to practice in Germany from the German State Examination Board. Graduates of the BM(EU) will take up foundation posts in Gesundheit Nordhessen Holding (GNH), Germany. These posts will be under the quality control of the Wessex Deanery and if completed successfully, applicants will be able to obtain full registration with the GMC. This registration will allow you to work anywhere in Europe and is recognised globally as an excellent primary medical registration.

The Programme offers a flexible and inclusive approach to learning to enable any student who meets the entry requirements to access the curriculum and demonstrate achievement of all the intended learning outcomes. Reasonable adjustments are made for individual learners as required; and in this the Faculty follows [GMC guidance "Gateways to the Profession"](#)

**Year 1** HE Level 4 ECTS 60 Credits (details in Appendix 3)

Fundamentals of Medicine

**1**

Kassel Southampton	Foundations of Medicine	REVISION EXAMS	Nervous & Locomotor 1	Respiratory, Cardio & Renal 1	REVISION EXAMS
	Medicine in Practice 1		Medicine in Practice 1		
	SSU1 - Health Improvement		SSU2 - Medical Humanities		

From the first year of the BM(EU) Programme, teaching takes place on an integrated, patient-focused basis. The curriculum is designed to spiral so elements are revisited in Year 2 and the later years.

Semester 1 is comprised of the Foundations of Medicine module alongside which you undertake the first part of the Medicine in Practice 1 module and the first Student Selected Unit in Health Improvement.

In Foundations of Medicine you are introduced to the biological basis of medicine and to sociology, psychology and public health, as well as to the key themes of Communication, Diversity, and Teamworking, Leadership and Patient Safety. You then cover the biochemical, morphological, pathological, pharmacological and physiological aspects of the different body systems and start to develop your skills of critical thinking, time management and working in teams.

In Semester 2 you study the first of the Nervous and Locomotor, and Respiratory, Cardiovascular and Renal modules alongside Medicine in Practice 1 and the second Student Selected Unit, Medical Humanities.

During the first year, a number of patient cases are used to highlight key points and provide a clinical context for your learning. During the Medicine in Practice module you are introduced to patient care in a primary care/ community setting and also, have the opportunity to experience the birth of a baby in a hospital.

Each module is assessed using a range of methods, including written papers, practicals, presentations and coursework. Semester assessments in Year 1 cover the modules studied during that semester. In order to progress to Year 2 you must demonstrate satisfactory completion and assessment of all modules

Students who fail to achieve a minimum level of performance in any assessment must show satisfactory performance in a further assessment.

**Year 2** HE Level 5 ECTS 60 Credits (details in Appendix 3)

Fundamentals of Medicine

**2**

Respiratory, Cardio & Renal 2	Nervous & Locomotor 2	REVISION EXAMS	GI	Endocrinology & the Lifecycle	REVISION EXAMS Research for Medicine & Health
Medicine in Practice 2/HCSW placement			Medicine in Practice 2/HCSW placement		
Research for Medicine & Health			Research for Medicine & Health		

The second year of the programme also follows a patient case-based approach in which clinical cases are used to direct learning. Significant amounts of learning in Year 2 are designed to support your progression to Year 3 in preparing you for your clinical modules and Research Project.

During Year 2 you revisit the nervous, locomotor, cardiovascular, renal and respiratory systems, building on the material you covered in Year 1, and study the gastrointestinal, endocrine and human reproduction systems for the first time. In addition to the biological and behavioural sciences, you will continue to develop the curricular themes of Communication, Diversity, and Teamworking, Leadership and Patient Safety.

You will also undertake a Research for Medicine and Health module which will equip you with the knowledge and skills in basic research methods to enable you to undertake your research project in Year 3. An important aspect of this module is undertaken after the exams when you will be expected to meet your project supervisor, familiarise yourself with any techniques or procedures you will use during your project and undertake a preliminary literature review. There will also be compulsory lectures to cover essential research governance requirements.



In Year 2, Medicine in Practice is expanded to include clinical contact in both a GP and hospital setting and you will build on your developing skills of talking to patients and undertaking clinical examinations. An element of the module requires you to undertake workplace based learning in the role of a Healthcare Support Worker (HCSW) : You will be required to undertake supernumerary shifts during the academic year, which will take place at weekends (but not night working). During this part of the module you will take part in tutorials to develop your understanding of the multidisciplinary nature of clinical work and your role within that.

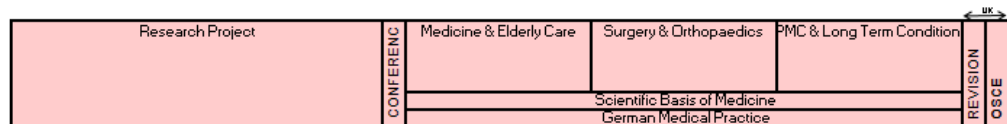
Each module will be assessed using a range of methods, including written papers, practicals, presentations and coursework. Semester assessments in Year 2 cover modules studied during that semester and if appropriate where modules have been revisited may include material from Year 1. In order to progress to Year 3 you must satisfactorily pass all modules.

Students who fail to achieve a minimum level of performance in any assessment must show satisfactory performance in a further assessment.

**Year 3**      **HE Level 6**      **ECTS 90 Credits**      (details in Appendix 3)

Progression into Clinical Practice

**3**



You start Year 3 undertaking your Research Project, whilst learning some clinical skills to further prepare you for your first fully clinical modules.

The clinical modules in Year 3 are Medicine and Elderly Care, Surgery and Orthopaedics, and Primary Care and Long Term Conditions. . An introductory course will give you the chance to re-familiarise yourself with the German Health Care system and place your prior learning in this context. The hospital based modules may include sessions at Klinikum Kassel but you will be mainly placed in smaller community hospitals in the surrounding area. During the Primary Medical Care and Long Term Conditions module you will be placed in practices in Kassel and the surrounding area. Due to the structure of health care in Germany the primary care module will also include time with community specialists.

You will be encouraged to integrate your prior science learning into the clinical setting and this will be augmented by the Scientific Basis of Medicine module, which comprises a series of symposia supplemented by electronic resources.

Alongside these modules you will complete the 'German Medical Practice' module which will encourage you to compare, contrast and reflect on differences in health care systems in Europe and particularly covers material specific to working in Germany not explicitly covered in a British curriculum. It will also you to work on your communications skills in both languages.

Your project is assessed by a written report, supervisor assessment and a presentation to the research conference. Clinical modules are assessed by satisfactory attendance and participation in the clinical setting, including engagement with learning logbooks, as well as by participating in formative assessments of clinical competence (ACC) and a clinical audit in the Primary Care and Long Term Conditions module.

At the end of the year, you will return to the UK for a revision week and to undertake an Objective Structured Clinical Examination (OSCE) which will assess your clinical skills and your ability to integrate basic sciences into the clinical context. The OSCE assessment will be taken alongside BM4, BM5, BM6 and BMIT students The Scientific Basis of Medicine module will further assess your ability to analyse the extent to which biological and social science can contribute to patient care and outcomes, and will be assessed by a written examination. Students who fail to achieve a minimum level of performance in any assessment must show satisfactory performance in a further assessment.

All modules must be passed to be able to progress to year 4 of the programme. Students who have not passed a module, for whatever reason, will be expected to do remedial work in the four week period between years 3 and 4. The amount of additional work required will be determined by the module lead and further details are available in the module profile published on Blackboard. Students who are required to undertake

additional work in excess of the time available will be referred to the Student Progress Committee and may be required to suspend from the programme and return with conditions in the following academic year. Students who fail to achieve a minimum level of performance in any assessment must show satisfactory performance in a further assessment.

**Year 4**      HE Level 6      ECTS 75 Credits (details in Appendix 3)

Developing Clinical Practice

**4**



In Year 4 you increase your clinical experience, study more specialised modules and begin to work towards becoming a Foundation Year One Doctor.

You study three eight-week clinical modules in rotation through the year - Psychiatry, Obstetrics & Gynaecology/GUM, and Child Health - and two four-week modules, Acute Care and Speciality Weeks. In the Acute Care module you will experience a range of medical, surgical and trauma settings as well as the Intensive care and coronary care units and the Emergency Department. The Speciality Weeks module covers Dermatology, Ophthalmology, Neurology and ENT (Head and Neck). In all these modules you will work and learn alongside other health professionals: in some instances this might be formal learning such as in a Clinical Skills setting; and you might be taught by nurse specialists and other healthcare professions.

Throughout the year, you will be expected to further integrate basic biological and social sciences with your clinical learning and you will have an opportunity to consolidate that aspect of your learning in the science into practice teaching sessions which are part of the year 4 written assessments module.

You will study a Clinical Ethics and Law module throughout Year 4, which will build on material covered in Years 1-3 and help you to integrate Ethics and Law closely to your developing clinical experience.

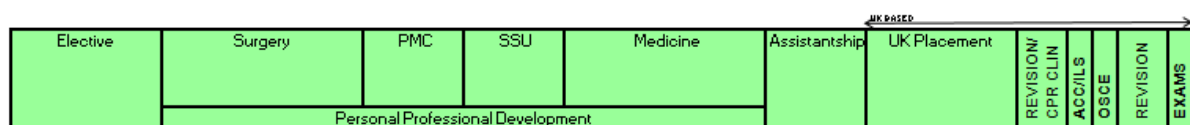
Each clinical module will be assessed by examining your completion of a log book with a variety of elements to it which can include some reflective writing on cases you have seen. In order to progress to Year 5 you must satisfactorily pass all modules. At the end of the year you will undertake an assessment module. You will be expected to demonstrate how biomedical and social sciences influence clinical presentations across the range of specialities you have experienced in all years to date by a written examination. Students who fail to achieve a minimum level of performance in any assessment must show satisfactory performance in a further assessment.

All modules must be passed to be able to progress to year 5 of the programme. Students who have not passed a module, for whatever reason, will be expected to do remedial work during their elective at the start of year 5. The amount of additional work required will be determined by the module lead and further details are available in the module profile published on Blackboard. Students who are required to undertake additional work in excess of the time available will be referred to the Student Progress Committee and may be required to suspend from the programme and return with conditions in the following academic year.

**Year 5**      HE Level 6      ECTS 90 Credits (details in Appendix 3)

Developing Clinical Practice

**5**



The emphasis in this year of study is preparation for the workplace, by ensuring that you have the necessary knowledge and skills and have also developed the appropriate understanding of the workplace and behaviours to help you become a safe and competent doctor.

The Elective is an opportunity for you to experience healthcare in a variety of settings. Students are encouraged to undertake at least part of their elective period outside Germany, and to focus on seeing a wide range of patients. Following your elective you will undertake rotations of two eight-week clinical modules in Surgery and Medicine (to include Rheumatology and Palliative Care) plus four-week placements in Primary Medical Care and a Student Selected Unit (SSU). This final Student Selected Unit is an opportunity for you to explore career choices that might be of interest to you after your Foundation Programme. Most of your placements in final year will be within Klinikum Kassel or the local community.

A Personal and Professional Development module will also run in the year -- to facilitate your progression from medical school to the workplace.

The Assistantship module is where you will bring together all your prior learning to experience clinical work closely related to what you will undertake in the Foundation Programme. You will be required to undertake some shift working during this module.

Each clinical module will be assessed by examining your completion of a log book with a variety of elements to it. In addition, the finals assessment module will comprise an OSCE, satisfactory completion and pass of ACCs from specialties in years 4 and 5, ILS (immediate Life Support) satisfactory completion and practical procedures satisfactory completion.

Students who fail to achieve a minimum level of performance in any assessment must show satisfactory performance in a further assessment. The referral opportunity for examinations would be the following February.

If your performance in this assessment is excellent you have the opportunity to be awarded a Distinction in the Year 5 examinations. If your performance over the five year programme is consistently excellent you have the opportunity to be awarded a BMBS degree with distinction. Further details regarding the criteria for award of distinction is available in the Undergraduate Handbook available on blackboard.

### **Additional Costs**

Students are responsible for meeting the cost of essential textbooks, and of producing such essays, assignments, laboratory reports and dissertations as are required to fulfil the academic requirements for each programme of study. Costs that students registered for this programme typically also have to pay for are included in Appendix 2.

### **Progression Requirements**

The programme follows the University's regulations for [\*Progression, Determination and Classification of Results: Undergraduate and Integrated Masters Programmes\*](#) as set out in the University Calendar. The programme has been granted some exemptions and variations to the University's General Regulations. Students should refer to the BM Programme Regulations as set out in the University Calendar in addition to the General Regulations.

Progress from one year of the programme to the next will depend upon the successful completion of the appropriate modules, and freedom from health, behavioural and conduct problems relevant to future employment as a medical practitioner. Further details are available in the Fitness to Practice regulations.

As outlined in the Calendar regulations, students on this programme are not entitled to a repeat year unless it is allowed due to special considerations/student progress committee approval. Where exceptionally a repeat year is allowed, or where a student has suspended by their study a maximum programme length may apply. As governed and determined by the student progress committee, the maximum total duration of a students' programme (including any interruptions through suspension or repeat attempts) is no more than 7 calendar years for students on this BM(EU) programme and students who have are exceptionally allowed repeat years or suspensions will be informed of this.

Students who have failed module(s) and are entitled to further attempts will be required to undertake that further attempt at the next available opportunity which may be the next academic year. Students who are required to undertake re-assessment in excess of the weeks available will be referred to the Student Progress

Committee and may be required to suspend from the programme and return in the following academic session.

The programme follows the University's regulations as set out in the University Calendar, for the Faculty of Medicine [BM5/BM\(EU\) programme regulations](#).

### Intermediate exit points (where available)

You will be eligible for an interim exit award if you complete part of the programme but not all of it, as follows:

AWARD	EXIT POINT	ECTS POINTS
Certificate of Higher Education in Biomedical Sciences	End of Year 1	60 level 4
Diploma of Higher Education in Biomedical Sciences	End of Year 2	60 level 5
Bachelor of Medical Sciences Honours*	Successful completion of Year 3	90 level 6
Bachelor of Medicine Bachelor of Surgery	Successful completion of Year 5	90 level 6 (Year 5)

\*Students who complete the BMBS are not entitled to a Bachelor of Medical Sciences (Honours) because credits from year 3 are required to contribute to the BMBS. However, students who exit at the end of year 3 can use all credits towards their exit awards hence they can achieve a BMedSc (Hons).

### Support for student learning

There are facilities and services to support your learning some of which are accessible to students across the University and some of which will be geared more particularly to students in your particular Faculty or discipline area.

The University provides:

- library resources, including e-books, on-line journals and databases, which are comprehensive and up-to-date; together with assistance from Library staff to enable you to make the best use of these resources
- high speed access to online electronic learning resources on the Internet from dedicated PC Workstations onsite and from your own devices; laptops, smartphones and tablet PCs via the Eduroam wireless network. There is a wide range of application software available from the Student Public Workstations.
- computer accounts which will connect you to a number of learning technologies for example, the Blackboard virtual learning environment (which facilitates online learning and access to specific learning resources)
- standard ICT tools such as Email, secure filestore and calendars.
- access to key information through the MySouthampton Student Mobile Portal which delivers timetables, Module information, Locations, Tutor details, Library account, bus timetables etc. while you are on the move.
- IT support through a comprehensive website, telephone and online ticketed support and a dedicated helpdesk in the Student Services Centre
- Enabling Services offering assessment and support (including specialist IT support) facilities if you have a disability, dyslexia, mental health issue or specific learning difficulties
- the Student Services Centre (SSC) to assist you with a range of general enquiries including financial matters, accommodation, exams, graduation, student visas, ID cards
- Career Destinations, advising on job search, applications, interviews, paid work, volunteering and internship opportunities and getting the most out of your extra-curricular activities alongside your degree programme when writing your CV
- a range of personal support services : mentoring, counselling, residence support service, chaplaincy, health service
- a Centre for Language Study, providing assistance in the development of English language and study skills for non-native speakers.

The Students' Union provides

- an academic student representation system, consisting of Course Representatives, Academic Presidents, Faculty Officers and the Vice-President Education; SUSU provides training and support for all these representatives, whose role is to represent students' views to the University.
- opportunities for extracurricular activities and volunteering
- an Advice Centre offering free and confidential advice including support if you need to make an academic appeal
- Support for student peer-to-peer groups, such as Nightline.

Associated with your programme you will be able to access:

- a Personal Academic Tutor
- a mentor in Kassel;
- a Senior Tutor identified for each phase of the programme
- in your Foundation module, you will have regular tutorials with a Foundation Tutor, to help you adjust to University level study specific to Medicine
- Faculty computer workstations in the Health Services library at Southampton General Hospital.
  - whilst undertaking clinical modules, you have access to support from the Module leader in Southampton, the module coordinator in Germany, the Lead consultant of your placement and their team, and the Associate Clinical Sub Dean where you are placed. The programme leader and the education manager at KSM are also able to support you.
- study skills support which is provided by module leaders as required.

When in Germany most of the above services will still be available to you remotely. There will also be access to a number of services from the University of Kassel including library and student support. The Kassel School of Medicine will provide onsite internet access and other local support.

## **Methods for evaluating the quality of teaching and learning**

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You will have the opportunity to have your say on the quality of the programme in the following ways:

- Completing student evaluation questionnaires for each module of the programme
- Acting as a student representative on various committees, e.g. Staff: Student Liaison Committees, Faculty Programmes Committee OR providing comments to your student representative to feed back on your behalf.
- Serving as a student representative on Faculty Scrutiny Groups for programme validation
- Taking part in programme validation meetings by joining a panel of students to meet with the Faculty Scrutiny Group
- Discussion with the GMC visiting team;

The ways in which the quality of your programme is checked, both inside and outside the University, are:

- Regular module and programme reports which are monitored by the Faculty
- Programme validation, normally every five years.
- External examiners, who produce an annual report
- Accreditation and inspection by the General Medical Council, who monitor and evaluate not just the curriculum, assessments and clinical placements; but also the staff development of all teachers, and the student support which we provide.
- A national Research Assessment Exercise (our research activity contributes directly to the quality of your learning experience)
- Institutional Review by the Quality Assurance Agency
- We further monitor the quality of your clinical placements by robust quality monitoring and enhancement activities which include regular visits and evaluation of all clinical settings where you are placed.

## Criteria for admission

The University's Admissions Policy applies equally to all programmes of study. The following are the typical entry criteria to be used for selecting candidates for admission. The University's approved equivalencies for the requirements listed below may also be acceptable.

The University's Admissions Policy can be found at [www.southampton.ac.uk/admissions-policy](http://www.southampton.ac.uk/admissions-policy)

Qualification	Grades	Subjects required	Subjects not accepted	EPQ Alternative offer (if applicable)	Contextual Alternative offer (if applicable)
GCE A level	AAA	Chemistry and Biology	General Studies Critical Thinking Subjects with material that overlaps (eg. human biology/sports studies/physical education)	N/A	N/A
					N/A
German Abitur	Average overall mark of 1.6 or better.	Chemistry or biology  If chemistry is not taken during the abitur it should be taken until at least 10 <sup>th</sup> grade (G8) or 11 <sup>th</sup> grade (G9) and passed with at least good results (mark 2, 11 points or similar)		N/A	N/A
				N/A	N/A
Academic Degree	Erstes Staatsprüfung/ Magister Artium/ Diplom 2.9 or above			N/A	N/A
Access to Medicine/Access to Science	60 credits with a minimum of 45 credits at level 3 (or equivalent), of which at least 30 level 3 credits must be at Distinction and, in addition, at least 15 level 3 credits must be at a minimum of Merit.	Approved Access courses with an appropriate scientific content are acceptable.		N/A	N/A
International Baccalaureate Diploma	36 points with 18 at Higher Level in three subjects to include 6 in	Chemistry and Biology		N/A	N/A

	Chemistry and 6 in Biology				
European Baccalaureate	Overall score of at least 85%. In addition, score of at least 9 in three subjects to include Chemistry and Biology taken as optional elective.	Chemistry and Biology		N/A	N/A
Other international qualifications				N/A	N/A
See <a href="#">Medicine UG Prospectus</a>				N/A	N/A

### Graduate Applicants

Qualification	Grades	Subjects required	Subjects not accepted	EPQ Alternative offer (if applicable)	Contextual Alternative offer (if applicable)
Bachelor's degree	Upper second class honours degree	Any subject		N/A	N/A
GCE A level	C	Chemistry		N/A	N/A
GCE AS Level (alternative if Chemistry has not been taken to A2)	CC	Chemistry Biology/Human Biology		N/A	N/A

### Non-Academic Entry Requirements

In addition to academic entry requirements you will be assessed against our non-academic criteria published on our website [www.southampton.ac.uk/medicine](http://www.southampton.ac.uk/medicine)

Applicants must be able to show they:

- Are self-motivated and resilient
- Have reflected on and learn from life experiences (this may include, work experience, paid employment and personal experiences both in and outside health and social care settings)
- Are able to interact successfully with others
- Can demonstrate an understanding of the values of the NHS constitution

We will offer a place to applicants who meet our academic and non-academic entry requirements and are selected as part of our selection procedure. The entry requirements and selection procedure are as set out in Selection Procedure and Policy which is reviewed annually and available here: [Entry requirements for BM programmes](#)

We will offer a place to applicants who meet our academic and non-academic entry requirements and are selected as part of our selection procedure as set out at [www.medizin-kassel.de](http://www.medizin-kassel.de)

This programme has been designed specifically for European applicants. Applicants must therefore fulfil the University of Southampton criteria for EU or EEA classification. International students are invited to apply for the BM5 programme. In accordance with the University's Equal Opportunities Policy, the programme is open to anyone regardless of age, class, creed, disability, ethnic origin, gender, marital status, sexual orientation or caring responsibilities.

### Recognition of Prior Learning (RPL)

The University has a [Recognition of Prior Learning Policy](#)  
This programme does not provide admission through RPL

**English Language Proficiency**

The course is taught in English and German and assessed in English

Overall	Reading	Writing	Speaking	Listening
IELTS 7.0 minimum	7.0 minimum	7.0 minimum	7.0 minimum	7.0 minimum

**German Language Proficiency**

Overall	Reading	Writing	Speaking	Listening
TestDaF Level TDN4	TDN4	TDN4	TDN4	TDN4

**8-week internship in nursing**

Nursing training (work experience) in a hospital or an ambulance care service in Germany or abroad. Nursing activities in elderly care or a social year in the medical-nursing field may be considered. The internship must be completed before the beginning of study in Southampton but can be done in separate parts. Each part should not be shorter than 3 weeks. Parts with less than 15 full workdays will not be considered.

**Career Opportunities**

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Graduates from all BM programmes have a qualification recognised by the UK General Medical Council and are entitled to provisional registration with the GMC. The qualification is the foundation from which you can progress into specialist training for any branch of medical practice, including the academic pathways; which can be in the UK, Europe or international. Some graduates choose not to pursue a clinical career, and the high level generic skills achieved on completion of the programme together with the clinical background are such that a wide range of other careers are accessible to holders of the BM BS and BMedSc degrees.

**External Examiners(s) for the programme**

- BM5/BM(EU) Years 1 & 2 -Dr Gabrielle Finn, Durham University.
- BM Year 3 -Dr Frances Gibson St. George’s University of London.
- BM Year4 - TBC
- BM Year 5 - Mr James Gilbert, Oxford Transplant Centre, Oxford University Hospital NHS Trust; Prof Siladitya Bhattacharya, University of Aberdeen, Dr William Carroll, University Hospital of the North Midlands, Dr Juliet Wright, Brighton and Sussex Medical School.

Students must not contact External Examiner(s) directly, and external examiners have been advised to refer any such communications back to the University. Students should raise any general queries about the assessment and examination process for the programme with their Course Representative, for consideration through Staff: Student Liaison Committee in the first instance, and Student representatives on Staff: Student Liaison Committees will have the opportunity to consider external examiners’ reports as part of the University’s quality assurance process.

External examiners do not have a direct role in determining results for individual students, and students wishing to discuss their own performance in assessment should contact their personal tutor in the first instance.

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**Please note:** This specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if s/he takes full advantage of the learning opportunities that are provided. More detailed information can be found in the programme information and student handbook published on Blackboard ([www.blackboard.soton.ac.uk](http://www.blackboard.soton.ac.uk)).



## Appendix 1:

### Learning outcomes and Assessment Mapping document template



BM Mapping of  
Learning Outcomes

The learning outcomes of the programme are mapped on the embedded document

Module Code	Module Title	Coursework 1	Coursework 2	Exam/ Final summative assessment of module
MEDI1031	Foundations of Medicine	Formative in-course assignment 1000 words		<p>MCQ paper (parts A and B). Standard-set pass mark; qualifying mark 10% below pass mark.</p> <p>Written paper. Standard-set pass mark; qualifying mark 10% below pass mark.</p> <p>Practical paper. Standard-set pass mark; qualifying mark 10% below pass mark.</p>
MEDI1030	Respiratory, Cardiovascular & Renal 1 (RCR1)			<p>Written Paper Summative. Standard set pass mark; qualifying mark set at 10% below the pass mark</p> <p>Practical Summative. Standard set pass mark; qualifying mark set at 10% below the pass mark</p>
MEDI1033	Nervous & Locomotor 1			<p>MCQ Paper. Standard-set pass mark; qualifying mark 10% below the passmark</p> <p>Practical. Standard-set pass mark; qualifying mark 10% below the</p>

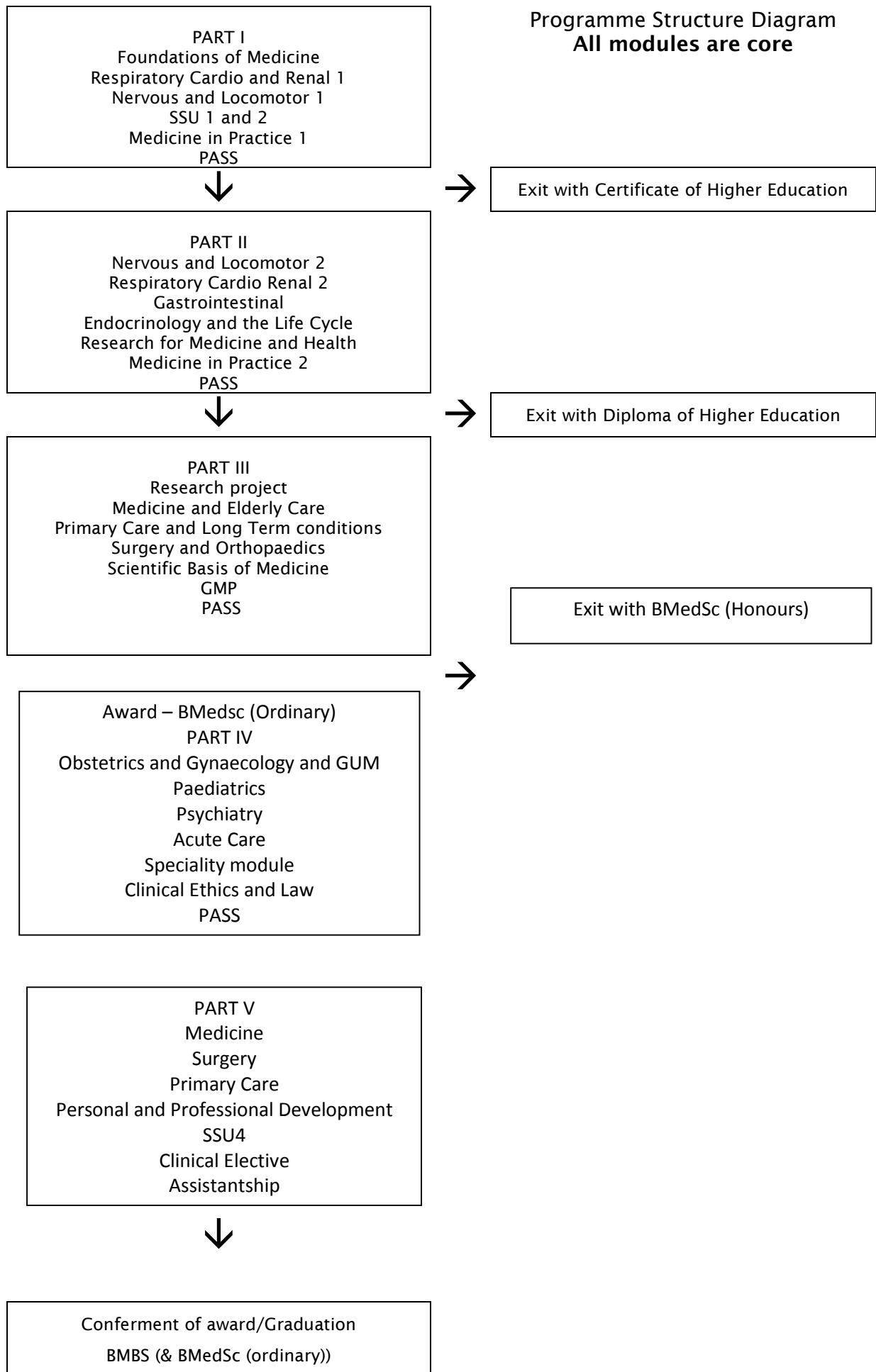
				passmark
MEDI1034	Medicine in Practice 1	<p><b>Family Study submission and presentation</b> A short written submission (1000-1500 words) about the family meetings, child development observations and health promotion. An oral presentation to the group about a maternal/ child health topic. These are compulsory formative assessments which will influence the end of placement evaluation. Tutor grades and comments will be fed back to students. The assessment must be passed for completion of the module.</p>	<p><b>History taking and communication skills evaluation</b> A formal tutor assessment of the ability to take a basic history and demonstration of communication skills, using an actor as a patient  This is a summative and formative assessment (feedback will be provided by tutor and actor).  <b>End of placement tutor evaluation</b> Based on tutor observations and assessment of performance throughout the course including the satisfactory completion of the Family Study work. This assessment is both summative and formative</p>	
MEDI1032	Student Selected Units 1 & 2	<p><b>SSU1 – Health Improvement</b> <b>End of semester 1</b> Health Improvement Poster (produced &amp; presented by a group) Group Reflection with Peer Assessment</p>	<p><b>SSU2 – Medical Humanities</b> <b>End of semester 2</b> Creative Outcome (produced &amp; presented individually or in groups) Reflective Account (750 words)</p>	
MEDI2046	Nervous & Locomotor 2			<p>Written paper – pass mark determined by borderline regression; qualifying mark 10% below the pass mark  Practical Paper. Standard-set pass mark; qualifying mark 10% below the pass mark</p>
MEDI 2044	Respiratory, Cardiovascular & Renal 2 (RCR2)	In-course assignment – (formative)		<p>MCQ paper – Standard-set pass mark; qualifying mark 10% below the pass mark  Written paper. Standard-set pass</p>

				mark; qualifying mark set at 10% below the pass mark
MEDI2042	Gastrointestinal (GI)			<p>MCQ paper. Standard-set pass mark; qualifying mark set at 10% below the pass mark</p> <p>Practical paper. Standard-set pass mark; qualifying mark set at 10% below the pass mark</p>
MEDI2043	Endocrinology and the Life Cycle			<p>Written Paper: pass mark determined by border-line regression. Qualifying mark of 10% below the passmark</p> <p>Practical paper. Standard-set pass mark; qualifying mark set at 10% below the pass mark</p>
MEDI2045	Research for Medicine & Health	Group critical appraisal report – 40% pass mark		MCQ paper – standard set pass mark; qualifying mark of 10% below the pass mark
MEDI2041	Medicine in Practise 2	Students are assessed by both GP and hospital teachers during the year and their evaluations weighted 60: 40 respectively to give a combined score. These assessments will be based on attendance, participation and skills shown during sessions, evidence of preparation beforehand, and general enthusiasm. It may involve the use of a portfolio.	There will be an assessment of performance in the healthcare assistant role, which will include feedback from the placement supervisor, tutor and from other members of the ward team. The focus of this assessment will be on professional behaviour as listed in the learning outcomes above; although the ability to undertake the simple practical skills specified will be included	
MEDI3014	Primary Medical Care and Long Term Conditions	<p><b>The GP Group facilitator to include:</b></p> <ul style="list-style-type: none"> <li>Satisfactory attendance and</li> </ul>	<b>The GP teacher (End of Placement Evaluation) to include:</b>	

		<p>professional behaviour, including group working and approach to learning</p> <ul style="list-style-type: none"> <li>• A case presentation</li> <li>• A presentation on their personal community learning experience</li> </ul>	<ul style="list-style-type: none"> <li>• Satisfactory attendance and professional behaviour</li> <li>• Evaluation of clinical and overall performance relative to learning outcomes</li> <li>• Satisfactory use of the logbook, including prescribing journal</li> </ul>	
MEDI3048	Research Project	Supervisor Assessment of student performance	<p>Research project Report</p> <p>Conference presentation</p>	
MEDI3049	Medicine & Elderly Care	End of module evaluation form completed by tutor, based on completion of a learning logbook		
MEDI3050	Surgery & Orthopaedics	End of module evaluation form completed by tutor, based on completion of a learning logbook		
MEDI3051	Scientific Basis of Medicine			MCQ.exam Standard set pass mark
MEDI3042	German Medical Practice	Attendance and engagement. Presentation Reflective piece		
MEDI3021	Assessment module			OSCE standard set pass mark
MEDI3044	Child Health	End of module evaluation form completed by tutor, based on completion of a learning logbook		
MEDI3045	Obstetrics and Gynaecology/GUM	End of module evaluation form completed by tutor, based on completion of a learning logbook		
MEDI3052	Clinical Ethics & Law	In-course written assignment maximum 1500 words; written feedback, no grade (formative assessment).		Written paper: case/s with structured questions
MEDI3053	Speciality weeks	End of module evaluation form, based on completion of a learning logbook		
MEDI6103	Acute Care	End of module evaluation form		

		completed by tutor, based on completion of a learning logbook		
MEDI4022	Psychiatry	End of module evaluation form completed by tutor, based on completion of a learning logbook		
MEDI3046	Year 4 assessment			Paper 1: MCQ exam Paper 2: Written Exam Standard set pass mark
	Surgery	End of module evaluation form completed by tutor, based on completion of a learning logbook		
	Medicine	End of module evaluation form completed by tutor, based on completion of a learning logbook		
	Primary Care	End of module evaluation form completed by tutor, based on completion of a learning logbook		
	Personal and Professional Development	End of module evaluation form completed by tutor, based on completion of a learning logbook		
	SSU4	End of module evaluation form completed by tutor, based on completion of a learning logbook		
	Assistantship	End of module evaluation form completed by tutor, based on completion of a learning logbook		
	Clinical Elective	End of module evaluation form completed by tutor, based on completion of a learning logbook		
	Assessment and ILS (immediate Life Support)	Completion of Intermediate Life Support training Completion of Practical Procedures clinical competences Satisfactory completion of ACCs in each specialty in order to gain exemption from ACC in the BM Final Examination		1. MCQ exam 2. Clinical Communication and Critical Appraisal written paper 3. Assessment of Clinical Competence for students who have not gained exemption on the basis of in-course assessment 4. OSCE examination

Programme Structure Diagram  
**All modules are core**



## Appendix 2:

### Additional Costs

Students are responsible for meeting the cost of essential textbooks, and of producing such essays, assignments, laboratory reports and dissertations as are required to fulfil the academic requirements for each programme of study. In addition to this, students registered for this programme typically also have to pay for the items listed in the table below.

In some cases you'll be able to choose modules (which may have different costs associated with that module) which will change the overall cost of a programme to you. Details of such costs will be listed in the Module Profile. Please also ensure you read the section on additional costs in the University's Fees, Charges and Expenses Regulations in the University Calendar available at [www.calendar.soton.ac.uk](http://www.calendar.soton.ac.uk).

Main Item	Sub-section	PROGRAMME SPECIFIC COSTS
<b>Travel</b>		In years 3 and 5 you will be expected to travel to Southampton for examinations ( and the UK placement module). You will be expected to meet these costs
<b>Accommodation</b>		As above you will be expected to meet the costs of accommodation in Southampton as required during years 3 and 5.
<b>Approved Calculators</b>		Candidates may use calculators in the examination room only as specified by the University and as permitted by the rubric of individual examination papers. The University approved model is Casio FX-570. This may be purchased from any source and no longer needs to carry the University logo
<b>Stationery</b>		You will be expected to provide your own day-to-day stationery items, e.g. pens, pencils, notebooks, etc). Any specialist stationery items will be specified under the Additional Costs tab of the relevant module profile.
<b>Textbooks</b>		Where a module specifies core texts these should generally be available on the reserve list in the library. However due to demand, students may prefer to buy their own copies. These can be purchased from any source.  Some modules suggest reading texts as <b>optional</b> background reading. The library may hold copies of such texts, or alternatively you may wish to purchase your own copies. Although not essential reading, you may benefit from the additional reading materials for the module.
<b>Equipment and Materials Equipment</b>	Medical Equipment and Materials: Fobwatch, stethoscopes	You will need to purchase a stethoscope. No specific make or model is required. You can purchase this from any source. Stethoscopes are available to buy during Faculty induction and prices range from £39.84-£176.40.

Main Item	Sub-section	PROGRAMME SPECIFIC COSTS
		You will need to purchase a fobwatch with a second hand that you can pin to your clothing or put in your pocket, as you are not permitted to wear wrist watches in clinical areas. No specific make or model is required. You can purchase this from any source. Prices start from £1.50.
IT	Hardware	Across all campuses and most halls of residence approximately 1700 computer workstations are available. Students may wish to purchase their own desktop/laptop/tablet computer to support their studies. This is entirely <b>optional</b> .
Clothing	Lab Coats	You will need to purchase a white coat for use in the Anatomy Laboratory. You can purchase this from any source. Lab coats are available from the SUSU Shop priced £12.50 (price at September 2015).
Printing and Photocopying Costs		In the majority of cases, coursework such as essays; projects; dissertations is likely to be submitted on line. However, there are some items where it is not possible to submit on line and students will be asked to provide a printed copy. The University printing costs are currently: A4 – 5p per side (black and white) or 25p per side (colour) A3 – 10p per side (black and white) or 50p per side (colour). Details about printing costs for academic posters can be found <a href="#">here</a> .
Placements (including Study Abroad Programmes)	Accommodation	You will need to pay for any accommodation required as part of your Elective.
	Insurance	You will need to pay for insurance if you chose to undertake your Elective outside of the UK.
	Medical insurance	You will need to pay for medical insurance if you chose to undertake your Elective outside of the UK.
	Travel costs	You will need to pay £100 per annum towards travel costs associated with clinical placements in the first two years  You will receive a semester ticket for free local transport in the Kassel area. If you decide to use a car for transport to placements this will not be reimbursed you will need to meet these costs yourself  You will need to pay for any travel costs required as part of your Elective.
	Immunisation/vaccination costs	You will be expected to pay for any immunisation/vaccination costs required to ensure you have a complete immunisation/vaccination history prior to commencing the programme. Further information on required immunisations/vaccinations is provided to those applicants made an academic offer of study.



Main Item	Sub-section	PROGRAMME SPECIFIC COSTS
		You will need to pay for any immunisation/vaccination costs associated with overseas travel if you chose to undertake your Elective outside of the UK.
	Disclosure and Barring Certificates or Clearance	You are expected to pay for an enhanced Disclosure and Barring Service Clearance check. This is payable on induction only. The cost is £44 (cost at September 2015).
<b>Conference expenses</b>	Accommodation	Students may have the opportunity to attend an academic conference during their studies. Attendance is <b>optional</b> . You would be expected to pay for the costs of any accommodation associated with the conference if you chose to attend.
	Travel	Students may have the opportunity to attend an academic conference during their studies. Attendance is <b>optional</b> . You would be expected to pay for the costs of any travel associated with the conference if you chose to attend.
<b>Parking Costs</b>		See placements travel costs.

## Appendix 3:

### Module and Credit Structure for Bachelor of Medicine, Bachelor of Surgery (BMBS) award AND Bachelor of Medical Science (BMedSc (Ordinary)) award

The table below clarifies the credits and levels of each individual module within the programme.

BMBS with BMedSc Programme		Credits (ECTS)	Level (FHEQ)
Year	Module		
1	Foundations of Medicine	22.5	4
1	Nervous and Locomotor 1	7.5	4
1	Respiratory Cardio and renal 1	15	4
1	Medicine in practice 1	7.5	4
1	SSU 1 & 2	7.5	4
2	Respiratory Cardio and renal 2	7.5	5
2	Nervous and Locomotor 2	15	5
2	Gastrointestinal	7.5	5
2	Endocrinology & the Lifecycle	15	5
2	Medicine in practice 2	7.5	5
2	Research for Medicine & Health	7.5	5
3	Research Project	22.5	6
3	Scientific Basis of Medicine	7.5	6
3	GMP	7.5	6
3	Medicine and Elderly Care	15	6
3	PMC & Chronic Disease	15	6
3	Surgery and Orthopaedics	15	6
3	Year 3 Assessment (OSCE)	7.5	6
4	Psychiatry	15	6
4	Acute Care	7.5	6
4	Specialty Weeks	7.5	6
4	Obs and Gynae & GUM	15	6
4	Child Health	15	6
4	Clinical Ethics & Law	7.5	6
4	Year 4 Assessment (written papers)	7.5	6
5	Surgery	15	6
5	Primary Medical Care	7.5	6
5	Medicine	15	6
5	SSU 4	7.5	6
5	Assistantship	7.5	6
5	Personal and Professional Development	7.5	6
5	Elective	15	6
5	Year 5 Assessment & ILS	15	6
	<b>Total</b>	<b>375</b>	
	<b>Credits at level 6</b>	<b>255</b>	