Course Specification

Course Summary Information				
1	**Course Title**		BSc (Hons) Biomedical Sciences with Foundation Year	
2	**BCU Course Code**	**UCAS Code**	US0625F	C90F
3	**Awarding Institution**		Birmingham City University	
4	**Teaching Institution(s)** (if different from point 3)		N/A	
5	**Professional Statutory or Regulatory Body (PSRB) accreditation** (if applicable)		N/A	

6	**Course Description**
	Overview Do you want a career in biomedical sciences? Our practice-led BSc (Hons) Biomedical Sciences offers a unique insight into human life processes, as well as disease and health within the population. **Foundation Year** The BSc (Hons) Biomedical Sciences with a Foundation Year course has been specifically designed to support your transition to degree-level study in Health Sciences. As a student, you will undertake a foundation year situated at level 3 study, which has been designed as a prelude to your chosen degree course, providing opportunities for you to develop your knowledge, skills and understanding. Your learning journey through your foundation year will provide a secure platform on which you can build throughout your academic career in higher education. As part of the foundation year, you will explore and develop number of essential academic, interpersonal and professional skills that will help you succeed in your future degree level studies. On successful completion of your foundation year, you are guaranteed to progress on to the first year of the BSc (Hons) Biomedical Sciences degree. If you are interested in progressing on to one of our other Health Sciences degrees, this will be subject to space available on those courses and meeting the relevant entry requirements, which may include passing an interview. **What's covered in the course?** Biomedical sciences embrace a number of important disciplines, including physiology, biochemistry, cell biology, microbiology and genetics. These subjects are of great importance in the provision of healthcare, medical research and underpin the biotechnology and pharmaceutical industries. On this course you will learn about how the human body functions in health and disease, and develop an understanding of the diagnosis, management and treatment of a range of diseases. This degree emphasises critical thinking and independent problem solving skills, which will help you to navigate a successful career after graduation. Throughout this course you will acquire important practical and scientific skills and be taught in our state-of-the-art life sciences laboratories. In the final year you will undertake an independent Research Project where you will execute your own experiments under supervision. Graduates may go on to a range of careers directly or after further postgraduate training and study. These careers include medical laboratory assistant, trainee biomedical scientist, physician associate, working on clinical trials for drug companies, research assistant and research technician, marketing assistant and medical and scientific representative. Graduates may also use their qualifications to progress into teaching careers, as well as postgraduate

	study to obtain MSc, MPhil and PhD qualifications. Exceptional graduates may be able progress onto postgraduate Medicine and Dentistry.

7	**Course Awards**		
7a	**Name of Final Award**	**Level**	**Credits Awarded**
	Bachelor of Science with Honours Biomedical Sciences with Foundation Year	6	480
7b	**Exit Awards and Credits Awarded**		
	Foundation Certificate Health Sciences Certificate of Higher Education Biomedical Sciences Diploma of Higher Education Biomedical Sciences Bachelor of Science Biomedical Sciences	3 4 5 6	120 240 360 420

8	**Derogation from the University Regulations**
	Not applicable

9	**Delivery Patterns**		
Mode(s) of Study	**Location(s) of Study**	**Duration of Study**	**Code(s)**
Full Time	City South	4 years	US0625F

10	**Entry Requirements**
	The admission requirements for this course are stated on the course page of the BCU website at https://www.bcu.ac.uk/ or may be found by searching for the course entry profile located on the UCAS website.

11	**Course Learning Outcomes**
1	Conduct yourself in a manner that is consistent with the values of your future profession.
2	Become an autonomous learner, who is confident, adaptable and capable of independent enquiry.
3	Demonstrate a commitment to continuing personal and professional development and career planning.
4	Demonstrate an ability to adapt behaviours in accordance with diverse cultural needs.
5	Show sensitivity to contextual and interpersonal behaviours.
6	Have a wide range of intellectual and key skills, and reflective approaches to learning.
7	Demonstrate excellent communication skills through a variety of modes and cultural awareness.
8	Exhibit skills of academic writing and presentation results.
9	Demonstrate a wide-range of transferable skills to appropriately prepare for higher levels of study and employment (e.g. communication and literacy, problem solving, numerical techniques, independent learning and working, teamwork, ICT etc.)
10	Be able to apply effective time management and organisational skills.
11	Be able to work effectively in a multidisciplinary team and adopt a partnership approach.
12	Adopt and integrate multiple perspectives and explore the relationships between them.

12	**Course Requirements**

12a

Level 3:

In order to complete this course a student must successfully complete all the following CORE modules (totalling 120 credits):

Module Code	Module Name	Credit Value
HEL3000	Academic Skills for Success	20
HEL3001	Interpersonal Skills and Professional Behaviours	20
HEL3002	Equality, Diversity and Inclusivity	20
HEL3003	Negotiated Studies	20
HEL3006	Introduction to Human Biology	20
HEL3008	Health and Well-being in Society	20

Level 4:

In order to complete this course a student must successfully complete all the following CORE modules (totalling 120 credits):

Module Code	Module Name	Credit Value
BMS4000	Biochemistry	20
BMS4002	Fundamentals of Cell Biology	20
BMS4001	Essential Skills for the Biosciences	20
BMS4006	Introduction to Human Anatomy and Physiology	20
BMS4003	Genetics	20
BMS4005	Microbiology	20

Level 5:

In order to complete this course a student must successfully complete all the following CORE modules (totalling 120 credits):

Module Code	Module Name	Credit Value
BMS5005	Research Methods in Science and Engineering	20
BMS5001	Clinical Biochemistry and Cellular Analysis	20
BMS5004	Fundamental Principles of Pharmacology and Drug Development	20
BMS5000	Blood Science	20
BMS5002	Infectious Disease	20
BMS5008	Academic skills and career development	20

Level 6:

In order to complete this course a student must successfully complete all the following CORE modules (totalling 80 credits):

Module Code	Module Name	Credit Value
BMS6004	Research Project	40
BMS6002	Molecular Basis of Disease	20
BMS6006	Pathophysiology	20

In order to complete this course a student must successfully complete at least 40 credits from the following indicative list of OPTIONAL modules.

Module Code	Module Name	Credit Value
BMS6003	New Technologies in Biomedicine	20
BMS6000	Control of Global Infectious Disease	20
BMS6005	Neuroscience	20
BMS6007	Immunology	20
BMS6008	Medical Pharmacology	20
BMS6009	Biology of Ageing	20

12b Structure Diagram

Please note list of optional modules is indicative only. Students' choice will not be guaranteed for optional modules but a fair and transparent process will be adopted and shared with students.

Level 3

SEMESTER ONE	SEMESTER TWO
Core HEL3006: Introduction to Human Biology (20 credits) HEL3000: Academic Skills for Success (20 credits) HEL3001: Interpersonal Skills and Professional Behaviours (20 credits)	**Core** HEL3008: Health and Well-being in Society (20 credits) HEL3002: Equality, Diversity and Inclusivity (20 credits) HEL3003: Negotiated Studies (20 credits)

Level 4

SEMESTER ONE	SEMESTER TWO
Core BMS4000: Biochemistry (20 credits) BMS4002: Fundamentals of Cell Biology (20 credits) BMS4001: Essential Skills for the Biosciences (20 credits)	**Core** BMS4006: Introduction to Human Anatomy and Physiology (20 credits) BMS4003: Genetics (20 credits) BMS4005: Microbiology (20 credits)

Level 5

Core BMS5001: Clinical Biochemistry and Cellular Analysis (20 credits) BMS5004: Fundamental Principles of Pharmacology and Drug Development (20 credits) BMS5008 Academic skills and careers (20 credits)	**Core** BMS5000: Blood Science (20 credits) BMS5002: Infectious Disease (20 credits) BMS5005: Research Methods in Science and Engineering (20 credits)

Level 6

Core BMS6002: Molecular Basis of Disease (20 credits)	**Core** BMS6006: Pathophysiology (20 credits)

Optional BMS6003: New Technologies in Biomedicine (20 credits) BMS6000: Control of Global Infectious Diseases (20 credits) BMS6005 Neuroscience (20 credits)	**Optional** BMS6007: Immunology (20 credits) BMS6008: Medical Pharmacology (20 credits) BMS6009: Biology of Ageing (20 credits)
BMS6004 Research Project (40 credits)	

13 Overall Student Workload and Balance of Assessment

Overall student *workload* consists of class contact hours, independent learning and assessment activity, with each credit taken equating to a total study time of around 10 hours. While actual contact hours may depend on the optional modules selected, the following information gives an indication of how much time students will need to allocate to different activities at each level of the course.

- *Scheduled Learning* includes lectures, practical classes and workshops, contact time specified in timetable
- *Directed Learning* includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning
- *Private Study* includes preparation for exams

The *balance of assessment* by mode of assessment (e.g. coursework, exam and in-person) depends to some extent on the optional modules chosen by students. The approximate percentage of the course assessed by coursework, exam and in-person is shown below.

Level 3

Workload

40% time spent in timetabled teaching and learning activity

Activity	Number of Hours
Scheduled Learning	488
Directed Learning	144
Private Study	568
Total Hours	1200

Balance of Assessment

Assessment Mode	Percentage
Coursework	83.3%
Exam	16.7%
In-Person	0%

Level 4

Workload

23% time spent in timetabled teaching and learning activity

Activity	Number of Hours
Scheduled Learning	276
Directed Learning	459
Private Study	465

Total Hours	1200

Balance of Assessment

Assessment Mode	Percentage
Coursework	43 %
Exam	43%
In-Person	14 %

Level 5

Workload

17% time spent in timetabled teaching and learning activity

Activity	Number of Hours
Scheduled Learning	237
Directed Learning	336
Private Study	627
Total Hours	1200

Balance of Assessment

Assessment Mode	Percentage
Coursework	55.00 %
Exam	18.00 %
In-Person	27.00 %

Level 6

Workload

33% time spent in timetabled teaching and learning activity

Please note that the exact hours will depend on which optional modules are taken.

Activity	Number of Hours
Scheduled Learning	394
Directed Learning	275
Private Study	531
Total Hours	1200

Balance of Assessment

Assessment Mode	Percentage
Coursework	54%
Exam	24%
In-Person	22%