

Course Specification

Course Summary Information		
1	Course Title	<i>BSc (Hons) Secondary Science (Biology) with QTS</i>
2	Course Code	US0895
3	Awarding Institution	<i>Birmingham City University.</i>
4	Teaching Institution(s) (if different from point 3)	
5	Professional Statutory or Regulatory Body (PSRB) accreditation	<i>Department for Education (DfE) and Ofsted.</i>

6	Course Description
	<p>If you have a passion for Biological Sciences, inspiring and educating young learners, and want the best possible career opportunities after graduating, then this is the course for you.</p> <p>The School of Education and Social Work a leading provider of Initial Teacher Training (ITT) in the West Midlands with a strong partnership across a diverse range of secondary schools. Located in the heart of the West Midlands, you will gain practical experience in a range of schools with a rich variety of cultural and linguistic influences, religious beliefs and social diversity. The Department of Life Sciences, part of the School of Health Sciences, is committed to delivering high-quality, research-informed teaching in a range of biology and life science fields alongside a developing Life Sciences research portfolio. Staff have expertise in a range of disciplines which will support your scientific development and prepare you for professional practice as a science educator.</p> <p>The course offers you the chance to gain the professional qualification of Qualified Teacher Status (QTS) as well as a degree, helping you walk into your dream job as a secondary school teacher immediately after graduating from university.</p> <p>You will also benefit from the unique and strong partnership between biology educators and subject specialists who are at the forefront of practice in their fields.</p> <ul style="list-style-type: none"> • Our Education courses are taught at our recently extended £71 million City South Campus in Edgbaston, which includes brand new state-of-the-art facilities. Our facilities are specifically designed to develop your knowledge and skills in secondary teaching. • We have a long and successful track record in the development of secondary biology teachers. • The course is delivered in collaboration between biology specialist tutors from the School of Education and Social Work, and academic Biomedical Scientists from the School of Health Sciences. • For the biology modules, you will be taught alongside undergraduates studying biomedical science degree courses at the University. • The course aims to develop your biology knowledge and understanding at degree level alongside gaining a professional qualification (QTS). • You will spend time in a range of local secondary schools on a professional placement, equipping you with a wealth of practical experience to develop you as a biology teacher, working in partnership with experienced school subject mentors. <p>Course overview The BSc (Hons) Secondary Science (Biology) with Qualified Teacher Status (QTS) trains you to:</p> <ul style="list-style-type: none"> • Teach your subject in secondary schools within the age range 11-16 with post-16 enhancement. • Develop the subject knowledge required to teach all the sciences up to GCSE within secondary schools and sixth-form colleges. • Develop the skills required to become a subject specialist in biology within secondary education. • Work in a wide variety of schools and science departments to develop as a biology subject specialist

Within this course, you will be studying with our current undergraduate biomedical science students in completing your subject specialism following the same suite of modules. In addition, you will develop your skills in teaching your subject within secondary education by working within local and regional school science departments as part of the professional placement component of this course. As a result, you will not only have the subject knowledge required for a science undergraduate degree, but successful completion will result in the University recommending to the relevant professional body, for the award of Qualified Teacher Status (QTS), which is the recognised professional award required by all those who wish to teach in a secondary school in England and Wales.

7 Course Awards			
7a	Name of Final Award	Level	Credits Awarded
	Bachelor of Science with Honours Secondary Science (Biology) with Qualified Teacher Status.	Level 6	360
7b Exit Awards and Credits Awarded			
	Certificate of Higher Education Secondary Science (Biology) Education Studies	Level 4	120
	Diploma of Higher Education Secondary Science (Biology) Education Studies	Level 5	240
	Bachelor of Science Secondary Science (Biology) Education Studies*	Level 6	300
	Bachelor of Science with Honours Secondary Science (Biology) Education Studies*	Level 6	360
*without recommendation for QTS			

8 Derogation from the University Regulations	
For Education modules:	<p>Assessment Cycle / Resit attempts: Professional Practice 1, 2, 3. Placements are to be passed within two attempts (initial attempt and one resit). In-year retrieval cannot be applied to these modules.</p> <p>Condonement (discretionary application by PABs (exam boards)): All assignments relate to the PSRB requirement of teachers meeting the Teachers' Standards (DfE 2012). If trainees do not pass an element of the course, they have not demonstrated key elements of the Teachers' Standards. Consequently, Condonement cannot be applied on this course.</p>

9 Delivery Patterns			
Mode(s) of Study	Location(s) of Study	Duration of Study	Code(s)
Full Time	City South	3 years	

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/courses/secondary-science-biology-qts-bsc-hons-2019-20 or may be found by searching for the course entry profile located on the UCAS website.

11	Course Learning Outcomes
	By the end of the course you will:
1	Demonstrate understanding and scholarship of the diverse subjects encompassed by the biomedical sciences.
2	Assess the breadth and complexities of human diseases and demonstrate knowledge of the underpinning causes, and the contemporary technologies, being developed to combat them.
3	Demonstrate knowledge and understanding of the theory and application of the diverse subjects encompassed by the biomedical sciences
4	Demonstrate aptitude and proficiency in a range of laboratory skills and techniques.
5	Communicate effectively through different media and demonstrate competencies using different oral and visual methods for disseminating information to a range of audiences.
6	Be able to meet the Teachers' Standards and apply them to the role of the teacher
7	Conduct yourself in a manner that is consistent with the values of the profession. (Part 2 of the Teachers' Standards)
8	Be able to create a learning environment in which all learners progress and thrive.
9	Be confident in addressing the needs of all learners and their communities within a regional, national and global context.
10	Demonstrate excellent subject and pedagogical knowledge and their effective application in learning and teaching settings.

12	Course Requirements																																																																					
12a	<p>Level 4:</p> <p><i>In order to complete this course a student must successfully complete all the following CORE modules (totalling 120 credits):</i></p> <table border="1"> <thead> <tr> <th>Module Code</th> <th>Module Name</th> <th>Credit Value</th> </tr> </thead> <tbody> <tr> <td>BMS4000</td> <td>Biochemistry</td> <td>20</td> </tr> <tr> <td>BMS4002</td> <td>Fundamentals of Cell Biology</td> <td>20</td> </tr> <tr> <td>BMS4003</td> <td>Genetics</td> <td>20</td> </tr> <tr> <td>BMS4005</td> <td>Microbiology*</td> <td>20</td> </tr> <tr> <td>EDU4168</td> <td>Physical Sciences 1</td> <td>20</td> </tr> <tr> <td>EDU4169</td> <td>The Emerging Teacher</td> <td>20</td> </tr> <tr> <td>EDU4170XXXX</td> <td>Professional Practice 1</td> <td>0</td> </tr> </tbody> </table> <p><i>*Microbiology is a pre-requisite for the Yr 2 Level 5 Infectious disease module</i></p> <p>Level 5:</p> <p><i>In order to complete this course a student must successfully complete all the following CORE modules (totalling 120 credits):</i></p> <table border="1"> <thead> <tr> <th>Module Code</th> <th>Module Name</th> <th>Credit Value</th> </tr> </thead> <tbody> <tr> <td>BMS5001</td> <td>Clinical Biochemistry and Cellular Analysis</td> <td>20</td> </tr> <tr> <td>BMS5004</td> <td>Fundamental Principles of Pharmacology and Drug development</td> <td>20</td> </tr> <tr> <td>BMS5002</td> <td>Infectious disease*</td> <td>20</td> </tr> <tr> <td>EDU5175XXXX</td> <td>Physical Sciences 2</td> <td>20</td> </tr> <tr> <td>EDU5177XXXX</td> <td>Subject Studies</td> <td>20</td> </tr> <tr> <td>EDU5174XXXX</td> <td>The Inclusive Teacher</td> <td>20</td> </tr> <tr> <td>EDU5176XXXX</td> <td>Professional Practice 2</td> <td>0</td> </tr> </tbody> </table> <p>Level 6:</p> <p><i>In order to complete this course a student must successfully complete all the following CORE modules (totalling 120 credits):</i></p> <table border="1"> <thead> <tr> <th>Module Code</th> <th>Module Name</th> <th>Credit Value</th> </tr> </thead> <tbody> <tr> <td>BMS6002</td> <td>Molecular basis of disease</td> <td>20</td> </tr> <tr> <td>BMS6006</td> <td>Pathophysiology</td> <td>20</td> </tr> <tr> <td>BMS6005</td> <td>Neuroscience</td> <td>20</td> </tr> <tr> <td>EDU6296</td> <td>Professional Enquiry Education Project</td> <td>40</td> </tr> <tr> <td>EDU6297</td> <td>The Professional Teacher</td> <td>20</td> </tr> <tr> <td>EDU6298</td> <td>Professional Practice 3</td> <td>0</td> </tr> </tbody> </table>	Module Code	Module Name	Credit Value	BMS4000	Biochemistry	20	BMS4002	Fundamentals of Cell Biology	20	BMS4003	Genetics	20	BMS4005	Microbiology*	20	EDU4168	Physical Sciences 1	20	EDU4169	The Emerging Teacher	20	EDU4170XXXX	Professional Practice 1	0	Module Code	Module Name	Credit Value	BMS5001	Clinical Biochemistry and Cellular Analysis	20	BMS5004	Fundamental Principles of Pharmacology and Drug development	20	BMS5002	Infectious disease*	20	EDU5175XXXX	Physical Sciences 2	20	EDU5177XXXX	Subject Studies	20	EDU5174XXXX	The Inclusive Teacher	20	EDU5176XXXX	Professional Practice 2	0	Module Code	Module Name	Credit Value	BMS6002	Molecular basis of disease	20	BMS6006	Pathophysiology	20	BMS6005	Neuroscience	20	EDU6296	Professional Enquiry Education Project	40	EDU6297	The Professional Teacher	20	EDU6298	Professional Practice 3	0
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12b Structure Diagram
Level 4

SEMESTER ONE	SEMESTER TWO
Core Biochemistry (20 credits) Fundamentals of Cell Biology (20 credits)	Core Genetics (20 credits)
EDU Physical Sciences 1 (20 credits)	
EDU The Emerging Teacher (20 credits)	
EDU Professional Practice 1 (0 credits)	
	Microbiology (20 credits)

Level 5

SEMESTER ONE	SEMESTER TWO
EDU Physical sciences 2 (20 credits)	
EDU The Inclusive Teacher (20 credits)	
EDU Subject Studies (20 credits)	
EDU Professional Practice 2 (0 credits)	
Clinical Biochemistry and cellular analysis (20 credits) Fundamental Principles of Pharmacology and drug development (20 credits)	Infectious disease (20 credits)

Level 6

SEMESTER ONE	SEMESTER TWO
EDU The Professional Teacher (20 credits)	
EDU Professional Enquiry Education Project (40 credits)	
EDU Professional Practice 3 (0 credits)	
Molecular basis of disease (20 credits) Neuroscience (20 credits)	Pathophysiology (20 credits)

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