Programme Specification

BSc (Hons) Web Science (Computer Science) 2017-18

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	3 years following standard progression for a FT student
Accreditation details	N/A
Final award	Bachelor of Science (Honours)
Name of award	BSc Web Science (Computer Science)
Interim Exit awards	Diploma of Higher Education (DipHE) Certificate of Higher Education (CertHE) Ordinary Degree
FHEQ level of final award	Level 6
UCAS code	I201
QAA Subject Benchmark or other external reference	Framework for Higher Education Qualifications
Programme Co-ordinator	Dr. Mark Weal (Computer Science
Date specification was written	08/12/2014
Data specification last updated	07/12/2017

Programme Overview

1 Brief outline of the programme

The B.Sc. Web Science programme is a cross-faculty interdisciplinary undergraduate degree. This programme represents the distinctive approach to Web Science of the University of Southampton. Its strong interdisciplinary foundations allow exploration of both the social and technical aspects of the World Wide Web, and the relations between these. .

The programme in Web Science allows students to choose between four 'pathways': Web Science (Computer Science), Web Science (Social Science), Web Science (Management) and Web Science (Music). Students on all pathways will take a shared core curriculum, which enables development of the knowledge and skills required to develop critical understanding of the Web, its history and current trajectories of development. These core modules will draw on a range of disciplines to offer a common grounding in Web Science. Each pathway also has a series of compulsory modules, designed to develop in depth computational, social science, managerial or musical knowledge and understanding.

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.

2 Learning and teaching

- Staff-led lectures, demonstrations, laboratories and seminars
- Directed reading
- Student-led seminars and presentations
- Written assessments, including literature searches and surveys
- Specification, design, analysis, implementation and verification exercises
- Group work exercises, presentations and reports
- Revision for written examinations
- Staff and post-graduate supervision of your research dissertation

3 Assessment

- In the case of staff-led lectures and seminars, your knowledge and understanding is assessed through written examinations and assessments.
- Your understanding of research methods, and your ability to locate and present theoretical approaches is assessed through student-led presentations, written assessments and written examinations, and additionally your dissertation.
- Understanding of current and emerging research questions is assessed through your dissertation, which must include a significant literature survey to set the context for your work, a review of your progress relative to your initial plan, and a critical evaluation and reflection.

Educational Aims of the Programme

The aims of the programme are to:

1. Provide you with knowledge of Web Science.

2. Provide an opportunity to study in an interdisciplinary and research-intensive environment.

3. Develop your transferable research skills and interdisciplinary knowledge for a wide range information and technology, research and policy careers.

4. Stimulate your interest in the subject using a variety of teaching and learning methods

Programme Learning Outcomes

Knowledge and Understanding

Having successfully completed this programme you will be able to demonstrate knowledge and understanding of:

A1. Social and technological approaches to understanding the web
A2. The range of disciplines, research methods and theoretical approaches required to analyse, critique and develop the Web
A3. Practical skills in applying appropriate research methods and technologies to the solution of real-world problems.
A4. Current and emerging research questions for Web Science.

Teaching and Learning Methods
You will have a variety of opportunities to achieve these learning outcomes. Learning and teaching methods include:

1. Staff-led lectures, demonstrations, laboratories and seminars.
2. Directed reading.
3. Student-led seminars and presentations.
4. Written assessments, including literature searches and surveys.
5. Specification, design, analysis, implementation and verification exercises.
6. Groupwork exercises, presentations and reports.
7. Revision for written examinations.
8. Staff and post-graduate supervision of your research dissertation.

Assessment methods

Your achievement is assessed as follows:

- In the case of staff-led lectures and seminars, your knowledge and understanding (outcomes A1-A3) is assessed through written examinations and assessments.
- Your understanding of research methods and your ability to locate and present theoretical approaches (outcome A2) is assessed through student-led presentations, written assessments and written examinations, and additionally your dissertation.
- Understanding of current and emerging research questions (outcome A4) is assessed through your dissertation, which must include a significant literature survey to set the context for your work, a review of your progress relative to your initial plan, and a critical evaluation and reflection.

Subject Specific Intellectual and Research Skills

Having successfully completed this programme you will be able to:

B1. Describe the technical infrastructure and architecture of the web, including hypertext, social and semantic Web;
B2. Critically appraise and integrate knowledge from a range of social and technical approaches to the web
B3. Acquire and assess different ways of thinking and problem solving within and across disciplinary boundaries.
B4. Apply your knowledge and understanding to specific problems and research questions about the Web
B5. Employ qualitative and quantitative research methods to examine and analyse aspects of the Web.

Teaching and Learning Methods

1. Staff-led lectures, demonstrations, laboratories and seminars.
2. Directed reading.
3. Student-led seminars and presentations.
4. Written assessments, including literature searches and surveys.
5. Specification, design, analysis, implementation and verification exercises.
6. Groupwork exercises, presentations and reports.
7. Revision for written examinations.
8. Staff and post-graduate supervision of your research dissertation.

Assessment methods

Your ability to employ and integrate knowledge from technical and social disciplines (outcomes B1, B2) will be assessed through written assessments and examinations.
Your understanding of research methods, ability to locate, critique and present information (outcomes B3, B4, B5) will be assessed through student-led presentations, written assessments and your dissertation.
Your ability to think critically, appraise information and apply knowledge (outcomes B2, B3) will be assessed through problem solving exercises, presentations, written assessments and your dissertation.
Your ability to integrate your learning, develop a research question relevant to the web, design and execute research independently and present this (B1, B3, B4) is assessed through your dissertation, which must include a significant review of relevant literature, interdisciplinary analysis of a problem or question relevant to Web Science and critical evaluation and reflection.

Transferable and Generic Skills

Having successfully completed this programme you will be able to:

C1. Use a range of sources, including the web, to locate relevant information, and critically appraise that information.
C2. Present specialist information in different written and verbal formats, tailored to a variety of audiences.
C3. Work efficiently and effectively as a member of a team.
C4. Work independently on a significant research project.

Teaching and Learning Methods

1. Directed reading.

2. Student-led seminars and presentations.
3. Technical reports, including literature searches and surveys.
4. Specification, design, analysis, implementation and verification exercises.
5. Group design exercises, presentations and reports.
6. Staff and post-graduate supervision of your research project.

Assessment methods

Your understanding of research methods, ability to locate, critique and present information (outcomes C1, C2, C3, C4) will be assessed through student-led presentations, written assessments and your dissertation.
Students will be expected to provide documentary evidence of their contribution to group projects and team work (outcome C3), and these may also be assessed in verbal presentations and group activities.
Your ability to integrate your learning, develop a research question relevant to the web, design and execute research independently and present this (outcome C4) is assessed through your dissertation, which must include a significant review of relevant literature, interdisciplinary analysis of a problem or question relevant to web science and critical evaluation and reflection.

Graduate Attributes

Graduate Attributes are the personal qualities, skills and understanding you can develop during your studies. They include but extend beyond your knowledge of an academic discipline and its technical proficiencies. Graduate Attributes are important because they equip you for the challenge of contributing to your chosen profession and may enable you to take a leading role in shaping the society in which you live.

We offer you the opportunity to develop these attributes through your successful engagement with the learning and teaching of your programme and your active participation in University life. The skills, knowledge and personal qualities that underpin the Graduate Attributes are supported by your discipline. As such, each attribute is enriched, made distinct and expressed through the variety of learning experiences you will experience. Your development of Graduate Attributes presumes basic competencies on entry to the University.

There are six Graduate Attributes:

Global Citizenship
Global Citizens recognise the value of meaningful contribution to an interconnected global society and aspire to realise an individual's human rights with tolerance and respect.

Ethical Leadership
Ethical Leaders understand the value of leading and contributing responsibly to the benefit of their chosen professions, as well as local, national and international communities.

Research and Inquiry
Research and Inquiry underpin the formulation of well-informed new ideas and a creative approach to problem resolution and entrepreneurial behaviours.

Academic
Academic attributes are the tools that sustain an independent capacity to critically understand a discipline and apply knowledge.

Communication Skills
Communication Skills encompass an individual's ability to demonstrate knowledge, and to express ideas with confidence and clarity to a variety of audiences.

Reflective Learner
The Reflective Learner is capable of the independent reflection necessary to develop their learning and continuously meet the challenge of pursuing excellence.

Code	Module Title	Global Citizenship	Ethical Leadership	Research and Inquiry	Academic	Communication Skills	Reflective Learner
WEBS1001	Information, Technology and Social Change	•	•				
WEBS3001	Dissertation			•	•	•	•
UOSM2008	Living and Working on the Web	•				•	
STAT1003	Introduction to Quantitative Methods			•	•		
SOCI2020	Research Skills			•		•	•

Programme Structure

1 Typical course content

The B.Sc. Web Science programme represents an interdisciplinary undergraduate degree structure that is cross-faculty. This Web Science programme represents the distinctive approach to Web Science of the University of Southampton, its strong interdisciplinary collaborations and the understanding that Web Science is as much about social and organizational behaviour as about the underpinning technology of the World Wide Web.

Individual pathways offer the theoretical and methodological expertise for specialisation in the different aspects of understanding and analysis of the Web. Building on the core curriculum, students will take additional core modules in pathway specific areas, and may choose from a range or optional choices across anthropology, demography, economics, humanities, geography and law.

It should be noted that it may not be possible to run some optional modules if the number of students registered on the module is very small. It should also be noted that optional module choice can be restricted by the University Timetable, which varies from year to year: some optional modules may clash with other optional or compulsory modules. Please be aware that many modules are shared between different cohorts; and the class size depends on cohort size, which varies from year to year.

Special Features of the programme

This programme is the flagship cross-faculty undergraduate programme launched as part of the University of Southampton Curriculum Innovation Programme. Its innovative core modules have been designed and are taught by web scientists from across the social and computational sciences.

Programme details

The structure of the programme and the modules currently offered are set out below. Of the modules shown against each year of your programme, some are compulsory (i.e. enrolment is automatic) and others are optional. Against each year, you are directed to which modules are compulsory and which are optional. The optional modules listed constitute an indicative list. There will always be choice but the options might vary between years.

The programme comprises three parts, each corresponding to one year of full-time study. You will normally have to take 4 modules (30 ECTS) each semester (i.e. 8 modules (60 ECTS) in each year of the programme. Each credit can be considered as the equivalent of approximately twenty hours of study. All the modules offered in this programme (except the dissertation) are 7.5 ECTS modules. This means that each module comprises around150 hours of study divided into contact time (e.g. lectures, seminars, workshops) and non-contact time when you will be engaged in directed study (preparation for classes) and independent study when you will be involved in producing assignments and preparing and taking examinations.

The dissertation is a 15 ECTS module comprising 300 hours of study divided into contact time (workshops and supervisory tutorials) and a significantly larger portion of hours allocated to non-contact, independent study time. This is because the dissertation is designed to foster independent inquiry and is the culmination

of three levels of study, enabling you to apply theories and methods explored at all years and to examine one area of the discipline in detail.

Full-Time Structure

Part I

In your first year, you will take 60 ECTS at FHEQ Level 4, 30 ECTS in each semester as shown below. Note that all Part I compulsory modules are core, and must be passed in order to progress.

Code	Title	ECTS	WS+SS	WS+CS	WS+M	WS+ Music
Semester 1						
WEBS1001	Information, Technology and Social Change	7.5	●	●	●	●
SOCI1001	Sociology of Everyday Life	7.5	●	+	+	+
COMP1202	Programming I	7.5	+	●	+	+
PAIR1002	Political Systems	7.5	●	+	+	+
SBSM1	ITSTBW1 : Government and Society	7.5	+	+	●	+
SBSM3	TTSTBW1 : Mechanical Age	7.5	+	+	●	+
COMP1215	Foundations of Computer Science	7.5	+	+	+	+
COMP1203	Computer Systems I	7.5		+		
COMP1209	System Design	7.5		+		
CRIM1003	Introduction to Criminology	7.5	+	+	+	+
DEMO1001	Introduction to Demographic Methods.	7.5	+	+	+	+
DEMO1003	Population & Society	7.5	+	+	+	+
ECON1001	Foundations of Microeconomics	7.5	+	+	+	+
ECON1003	Principles of Microeconomics	7.5	+	+	+	+
MUSI1002	Antique Music Roadshow I	7.5				¤
MUSI1007	Foundations in Analysis, Counterpoint and Harmony	7.5				¤
PAIR1002	Political Systems	7.5	+	+	+	+
SOCI1003	Social Problems and Social Policy	7.5	+	+	+	+
Semester 2						
COMP1056	Web Design	7.5	●	●	●	●
SOCI1014	Foundations in Social Theory	7.5	●	●	●	●
STAT1003	Introduction to Quantitative Methods	7.5	●	●	●	●
SOCI1002	Transformations of the Modern World	7.5	●			
COMP1206	Programming II	7.5		●		
SBSM2	ITSTBW2 : Markets and Consumers	7.5			●	
UOSM2007	Digital Humanities	7.5				○

● indicates a core module (must be taken and passed)
○ indicates a compulsory module (must be taken)
+ indicates an optional module
¤ students on this pathway must choose one of these options

Part II

In your second year, you will take 60 ECTS at FHEQ Level 5, 30 ECTS in each semester.

Code	Title	ECTS	WS+SS	WS+CS	WS+M	WS+ Music
Semester 1						
WEBS2002	Interdisciplinary Group Project	7.5	●	●	●	●
WEBS2001	Web agents, actors and agency	7.5	●	●	●	●
COMP2202	Database and Database Application †	7.5	+	○	+	
SOCI2031	Social Theory	7.5	○	+	+	
MANG2011	Human Resource Management	7.5			+	
MUSI2094	Introduction to Music Technology	7.5	+	+	+	○
CRIM2001	Perspectives in Criminology	7.5	+	+	+	
MUSI2004	Music at the North Italian Courts	7.5				¤
MUSI2020	Conducting	7.5				¤
MUSI2093	Composition Workshop A	7.5				¤
MUSI2095	Songwriting	7.5				¤
MUSI2116	Introduction to Music Therapy	7.5				¤
MUSI2127	Global Hip Hop	7.5				¤
MUSI2129	Orchestration	7.5				¤
MUSI2131	Schubert after Schubert	7.5				¤
MUSI2132	The Operas of Benjamin Britten	7.5				¤
HUMA2013	How the Arts Work	7.5				¤
CRIM2002	Criminal Justice: Historical Perspectives	7.5	+	+	+	
CRIM2006	Criminology, Policy and Practice	7.5	+	+	+	
COMP2203	Application of Scripting	7.5	+	+	+	
COMP2208	Intelligent Systems	7.5		+		
COMP2209	Programming III	7.5		+		
COMP2210	Theory of Computing	7.5		+		
COMP2207	Distributed Systems and Networks	7.5		+		
DEMO2004	Migration	7.5	+	+	+	
GEOG2010	Introduction to GIS	7.5	+	+	+	
GEOG2007	Remote Sensing for Earth Observation	7.5	+	+		
PAIR2002	Political Theory	7.5	+	+	+	
SOCI2003	Gender and Society	7.5	+	+		
SOCI2017	Class Structure and Social Inequality	7.5	+	+	+	
Semester 2						
COMP2213	Interaction Design	7.5	○	○	○	○
SOCI2020	Research Skills	7.5	○	○	○	○
UOSM2012	Online Social Networks	7.5	○	○	○	○
MUSIXXXX	Digital Music: Tools, Techniques and Transformations	7.5				○
MANG2XXX	Digital Business Models		+	+	○	
COMP2204	Computer Networking in Organisations	7.5		+		
COMP2212	Programming Language Concepts	7.5		+		
MATH2012	Stochastic Processes	7.5	+	+		
MATH2014	Algorithms	7.5	+	+		
PAIR2005	Issues in Third World Politics	7.5	+	+		
SOCI2002	Education and Society	7.5	+	+		
SOCI2008	Race and Ethnicity in Global Context	7.5	+	+		
UOSM2034	Security,Emergencies and Technologies of Control	7.5	+	+		

● indicates a core module (must be taken and passed)
○ indicates a compulsory module (must be taken)
+ indicates an optional module
¤ students on this pathway must choose one of these options

Part III

In your third year, you will take 60 ECTS at FHEQ Level 6, 30 ECTS in each semester.
A major element of your third year is the Dissertation, which runs across both semesters.

Code	Title	ECTS	WS+SS	WS+CS	WS+M	WS+ Music
Semester1/2						
WEBS3001	Dissertation	15	●	●	●	●
Semester 1						
COMP6218	Web Architecture†Δ	7.5	○	○	○	○
SOCI3073	Cyberlives	7.5	○	○	○	○
MANG3054	Marketing in the Digital Age	7.5	+	+	○	
CRIM3002	Issues in Law Enforcement and Social Control	7.5	+	+		
COMP3207	Cloud Application Development	7.5		+		
COMP3201	Cyber Security	7.5		+		
COMP3203	Serious Games and eLearning	7.5	+	+		
COMP3208	Social Computing	7.5	+	+		
DEMO3008	Population & Environment	7.5	+	+		
ENTR3005	International Entrepreneurship	7.5	+	+		
MATH3033	Graph Theory	7.5	+	+		
MUSI3005	Music at the North Italian Courts	7.5				¤
MUSI3019	Studio Techniques	7.5				¤
MUSI3132	Global Hip Hop	7.5				¤
MUSI3137	Schubert after Schubert	7.5				¤
MUSI3138	The Operas of Benjamin Britten	7.5				¤
HUMA2013	How the Arts Work	7.5				¤
PAIR3006	Global Justice	7.5	+	+		
PAIR3014	Globalization and World Politics	7.5	+	+		
SOCI3010	Crime, Space and Social Control	7.5	+	+		
Semester 2						
UOSM2008	Living and Working on the Web ‡ Δ	7.5	○	○	○	○
MANG3052	Digital Marketing	7.5	+	+	○	+
COMP3210	Advanced Computer Networks	7.5		¤		
COMP3211	Advanced Databases	7.5	+	¤		
COMP3212	Computational Biology	7.5		¤		
COMP3218	Game Design and Development	7.5	+	¤		
DEMO3003	Migration	7.5	+	+	+	+
ENTR3004	New Venture Planning	7.5	+	+	+	+
GEOG3006	Advanced GIS	7.5	+	+	+	+
GEOG3065	Terrestrial ecosystems: modelling and monitoring	7.5	+	+	+	+
CRIM3006	Issues in Global Crime and Justice	7.5	+	+	+	+
MUSI3065	Mozart in Vienna	7.5				¤
MUSI3128	The American Musical	7.5				¤
MUSI3130	Nineteenth Century German Song	7.5				¤
MUSI3136	Music and Disability	7.5				¤
MUSI2015	Studio Techniques I	7.5				¤
SOCI3008	The Sociology of Youth	7.5	+	+	+	+

● indicates a core module (must be taken and passed)
○ indicates a compulsory module (must be taken)
+ indicates an optional module
¤ students on this pathway must choose one of these options
† module at level FHEQ 7
‡ module at level FHEQ 5
Δ students may back – or forward-track one or two modules as permitted by the University's credit scheme.

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:

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 (http://www.calendar.soton.ac.uk/sectionIV/progression-regs.html).

3 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:

Qualification	Minimum overall credit in ECTS	Minimum ECTS credits required at level of award
Diploma of Higher Education	at least 120	45
Certificate of Higher Education	at least 60	45

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 student owned 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 account for students which connects them 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 their timetables, Module information, Locations, Tutor details, Library account, bus timetables etc. to them whilst 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) assisting students 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 for students making academic appeals
- Support for student peer-to-peer groups, such as Nightline.

Associated with your programme you will be able to access:

- module co-ordinators support. Module co-ordinators will be available at designated times during the week to discuss issues related to the particular modules you are studying at the time. This will be in addition to class contact time.

- Academic/personal tutor. As soon as you register on this programme, you will be allocated a personal tutor. S/he is a member of the academic team and will be available to discuss general academic issues related to the programme as well as offer advice and support on any personal issues which may affect your studies.

- module handbooks/outlines. These will be available at the start of each module (often in online format). The Handbook includes the aims and learning outcomes of the module, the methods of assessment, relevant background material to the module and a session-by-session breakdown of the module together with appropriate reading lists.

- Within the Faculty, administrative support is provided by your Student Office which deals with student records and related issues and with queries related to your specific degree programme.

Methods for evaluating the quality of teaching and learning

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

- Completing student surveys 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

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
- A national Research Excellence Framework (our research activity contributes directly to the quality of your learning experience)
- HE Review by the Quality Assurance Agency

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 will also be acceptable.

Undergraduate programmes

Qualification	Grades	Subjects required	Subjects not accepted	EPQ Alternative offer (if applicable)	Contextual Alternative offer (if applicable)
GCE A level	AAB	Maths	General Studies & Critical Thinking		
GCSE	Grade C (Numerical scale 4)	Maths and English			
BTEC					
International Baccalaureate	34 points overall with 17 at Higher Level including 6 in Maths at HL				
European Baccalaureate					

Postgraduate programmes

Qualification	Grade/GPA	Subjects requirements	Specific requirements
Bachelor's degree			
Master's degree			

Mature applicants

Applications from mature students (over 21 years in the October of the year of entry) are welcome. Applications will be considered on an individual basis.

English Language Proficiency

Overall	Reading	Writing	Speaking	Listening
6.5	5.5	5.5	5.5	5.5

Career Opportunities

Web Science will equip students with unique cross-cutting knowledge and skills, marketable to a broad range of employers and employment sectors. We have strong relationships with employers, and our graduates are particularly in demand for their understanding of organisations and their practical abilities in the workplace.

External Examiners(s) for the programme

Name Professor Georg Struth (Computer Science)
Institution. University of Sheffield

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.

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 handbook (or other appropriate guide) or online at
http://webscience.ecs.soton.ac.uk/programme_structure.php

Appendix 1:

Learning outcomes and Assessment Mapping document template

		Knowledge and Understanding				Subject Specific Intellectual Skills					Transferable/Key Skills			
Module Code	**Module Title**	**A1**	**A2**	**A3**	**A4**	**B1**	**B2**	**B3**	**B4**	**B5**	**C1**	**C2**	**C3**	**C4**
COMP1056	Web Design	●		●		●								
COMP1202	Programming I			●										
COMP1206	Programming 2			●		●								
COMP2202	Database and Database Application			●		●								
COMP2213	Interaction Design	●		●				●				●		
COMP6218	Web Architecture	●				●					●	●		
PAIR1002	Political Systems		●					●			●	●		
SOCI1001	Sociology of Everyday Life		●					●			●	●		
SOCI1002	Transformations of the Modern World		●											
SOCI1014	Foundations in Social Theory	●									●			
SOCI2020	Research Skills		●							●	●			
SOCI2031	Social Theory	●									●			
SOCI3073	Cyber lives? New Technologies and Social Change	●			●			●			●			
STAT1003	Introduction to Quantitative Methods		●							●				
UOSM2008	Living and Working on the Web	●			●		●				●	●		
UOSM2012	Online Social Networks	●			●	●	●						●	
WEBS1001	Info, Tech & Social Change	●			●	●					●	●		
WEBS2001	Cybernetics, Societies and the Web	●			●		●		●		●	●		
WEBS2002	Interdisciplinary Group Project	●	●	●			●	●	●		●	●	●	
WEBS3001	Dissertation	●		●	●		●	●	●	●	●	●		●

Table 1. Mappings of Core & Compulsory modules to learning outcomes.

Module Code	Module Title	Coursework 1	Coursework 2	Coursework 3	Exam
COMP1056	Web Design	Lab work 30%	Report 20%	Report and Fully functional Website 50%	N/A
COMP1202	Programming II	Coursework 30%	Laboratory work 20%	N/A	3 hours examination 50%
COMP1206	Programming II	Coursework 75%	Laboratory Exercises 25%	N/A	N/A
COMP2202	Database and Database Application	Coursework 20%	N/A	N/A	2 hour examination 80%
COMP2213	Interaction Design	Coursework 50%	N/A	N/A	2 hour examination 50%
COMP6218	Web Architecture	Web Application Group Exercise 25%	Technical Report 25%	N/A	2 hour examination 50%%
PAIR1002	Political Systems	1200 word Essay 1 40%	Seminar: Group Presentations 20%	1200 word Essay 2 40%	N/A
SOCI1001	Sociology of Everyday Life	1500 word Essay 30%	Seminar Participation 4%	N/A	2 hour written examination 66%
SOCI1002	Transformations of the Modern World	1500 word Essay 30%	N/A	N/A	2 hour written examination 70%
SOCI1014	Foundations in Social Theory	Mid-term comprehension-based assessment (35-40 mins) 30%	N/A	N/A	2 hour written examination 70%
SOCI2020	Research Skills	Mini Qualitative research project 2000 words 30%	Dissertation proposal 70%	N/A	N/A
SOCI2031	Social Theory	1500 word essay 38%	Seminar Participation 4%	N/A	2 hour written examination 58%
SOCI3073	Cyber lives? New Technologies and Social Change	2500-3000 word essay 75%	1000 word commentary and summary of seminar discussion 25%	N/A	N/A
STAT1003	Introduction to Quantitative Methods	Weekly online exercises 15%	Assignment 25%	N/A	2 hour written examination 60%
UOSM2008	Living and Working on the Web	Forum discussion assessment 50%	Peer assessment and reflective summary 50%	N/A	N/A
UOSM2012	Online Social Networks	Group coursework	N/A	N/A	2 hour written examination

		40%			60%
WEBS1001	Info, Tech & Social Change	1500 word essay 40%	N/A	N/A	2 hour examination 60%
WEBS2001	Web Agents, Actors and Agency	Critical article for an educated audience and verbal presentation 40%	N/A	N/A	3 hour examination 60%
WEBS2002	Interdisciplinary Group Project	Group Project Report 60%	Individual Report 40%	N/A	N/A
WEBS3001	Dissertation	Dissertation 100%	N/A	N/A	N/A

Table 2. Core and compulsory modules and their assessments

Programme Overview

The BSc Web Science programme represents an interdisciplinary undergraduate degree structure that is cross-faculty. This Web Science programme represents the distinctive approach to Web Science of the University of Southampton, its strong interdisciplinary collaborations and the understanding that Web Science is as much about social and organizational behaviour as about the underpinning technology of the World Wide Web.

This Appendix sets out the governance principles of the Web Science degree programme and provides additional information on the structuring of the specific pathways within the degree programme.

Governance

The Web Science undergraduate programme in the University of Southampton has a programme committee that oversees the programme and will make recommendations of new pathways as they are developed. This programme committee has cross faculty membership and is chaired by Professor Dame Wendy Hall. Each pathway will be administered within a single faculty and is considered as a separate programme from the point of the University and Faculty validation processes.

Pathway Construction

All Web Science pathways are comprised of a set of compulsory modules that are common to all pathways, a set of pathway specific compulsory modules, and a set of options that may be restricted in some cases for a specific pathway.

The compulsory modules that are common to all Web Science pathways can be seen in Figure 1.

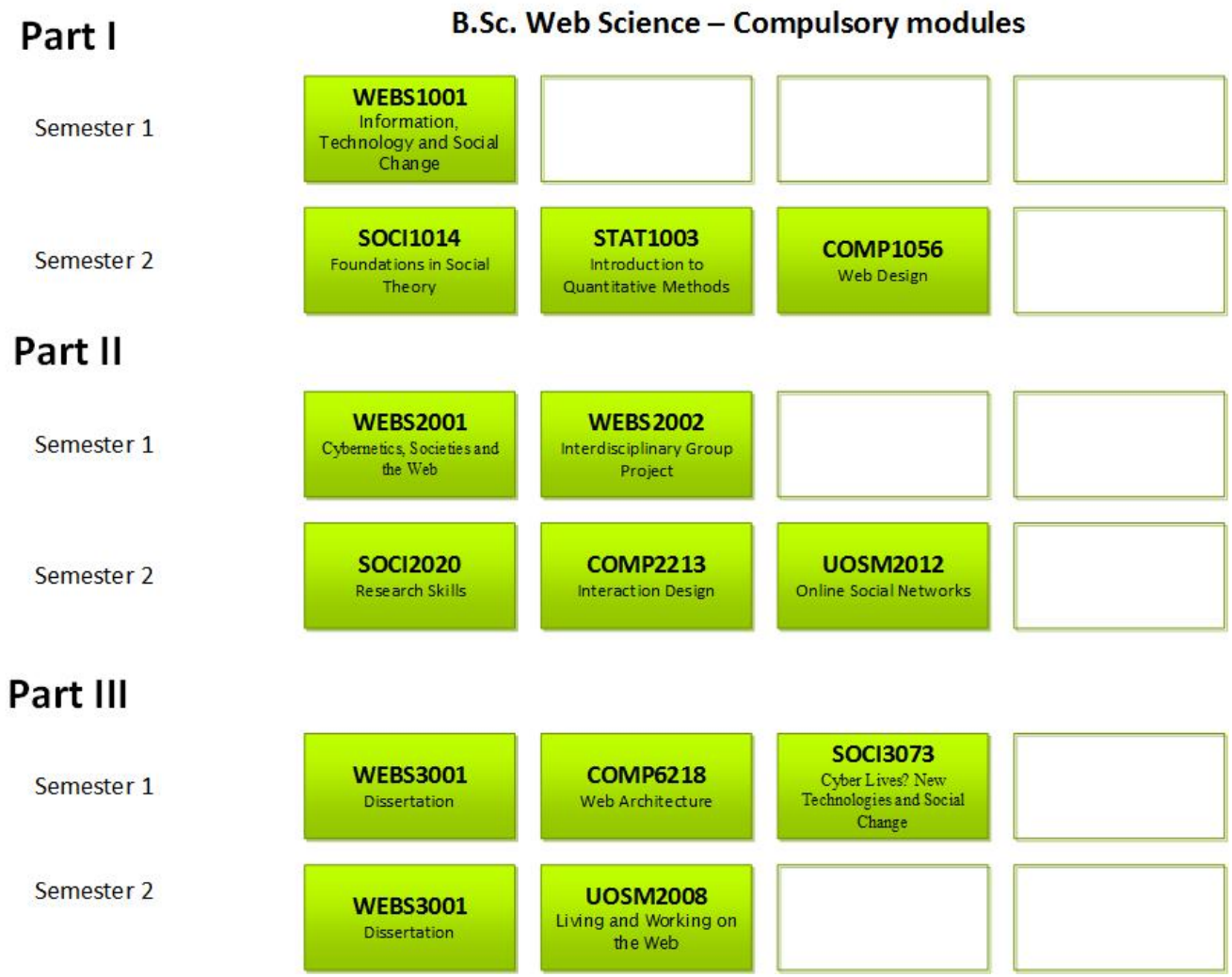


Figure 1. Compulsory modules for all pathways.

In addition to the Web Science compulsory modules, pathways have their own pathway specific modules. The specific modules for the two currently approved pathways can be found in Figure 2.

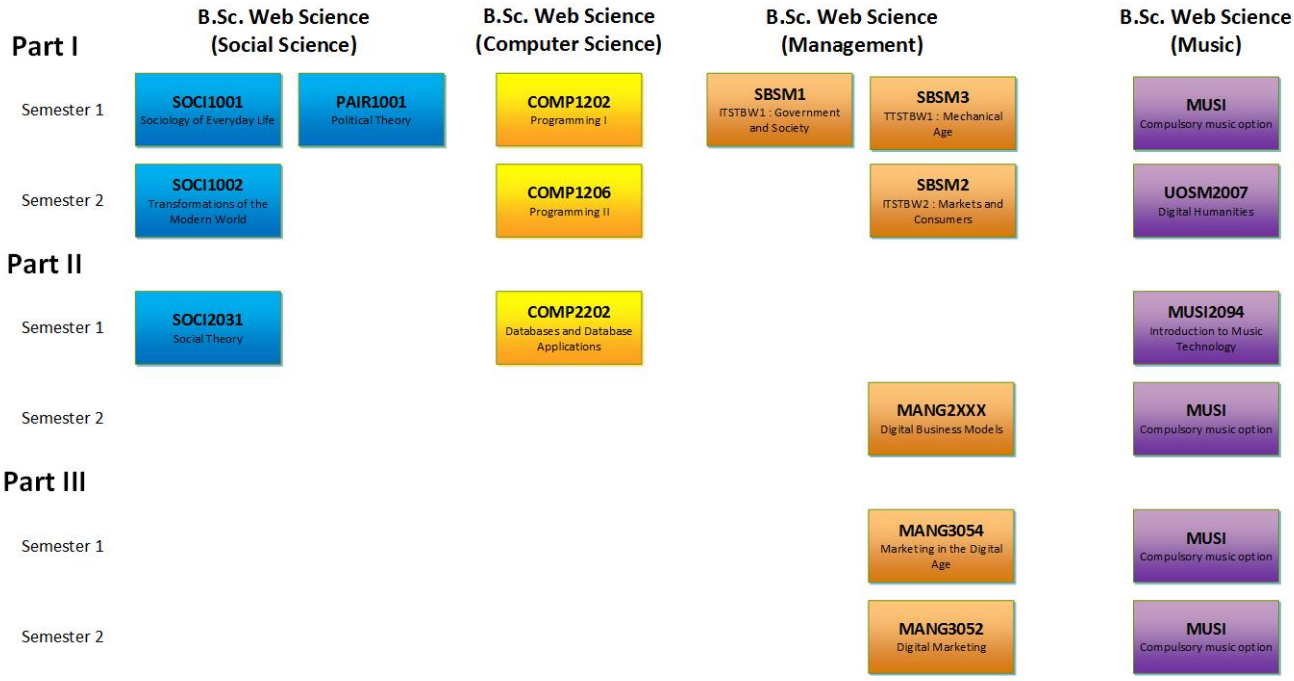


Figure 2. Pathway specific compulsory modules.

Pathways will also specify a range of pathways specific options for certain option slots in the programme. All options are listed in Appendix I. Not all options will be available for all students due to pre-requisites.

Structure Breakdown

Figure 3. below illustrates how the Web Science compulsory modules are designed to meet key educational aims of the programme.

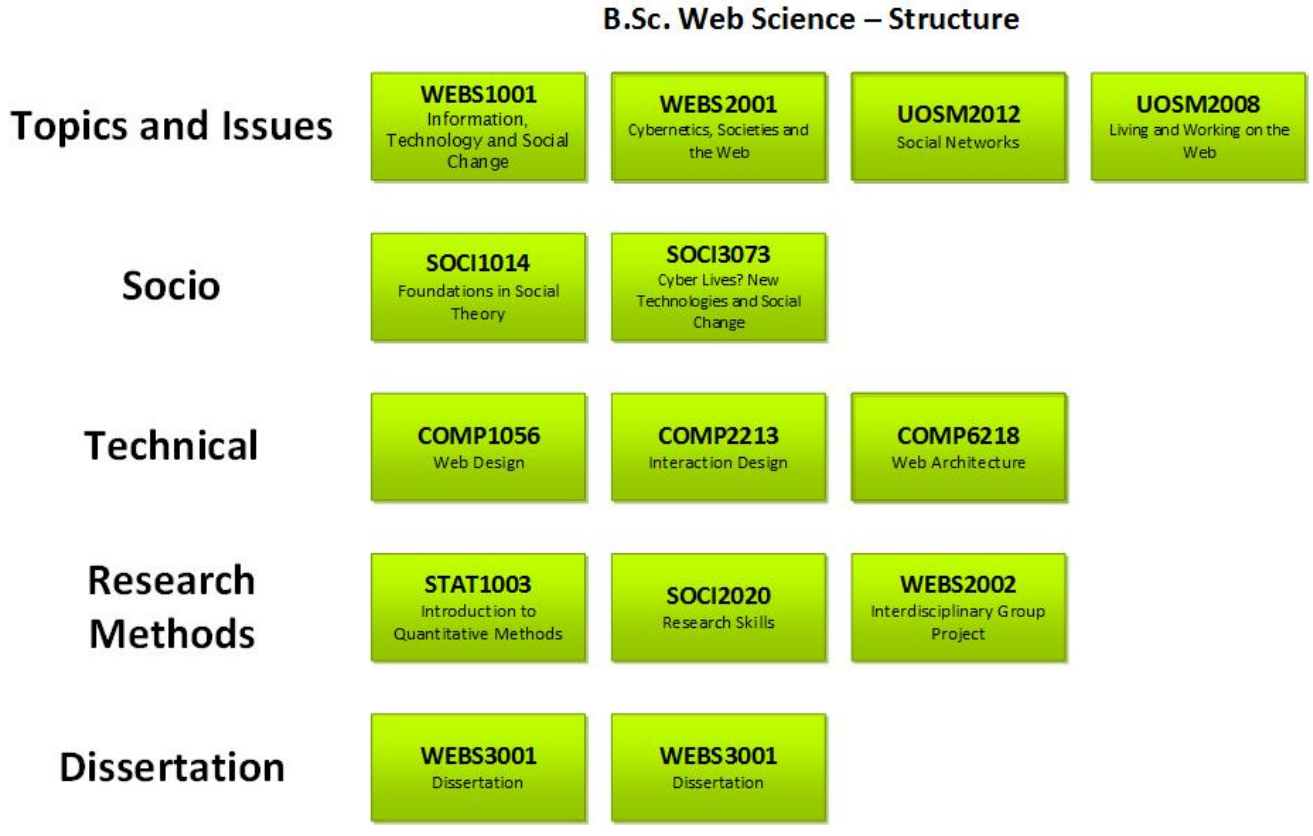
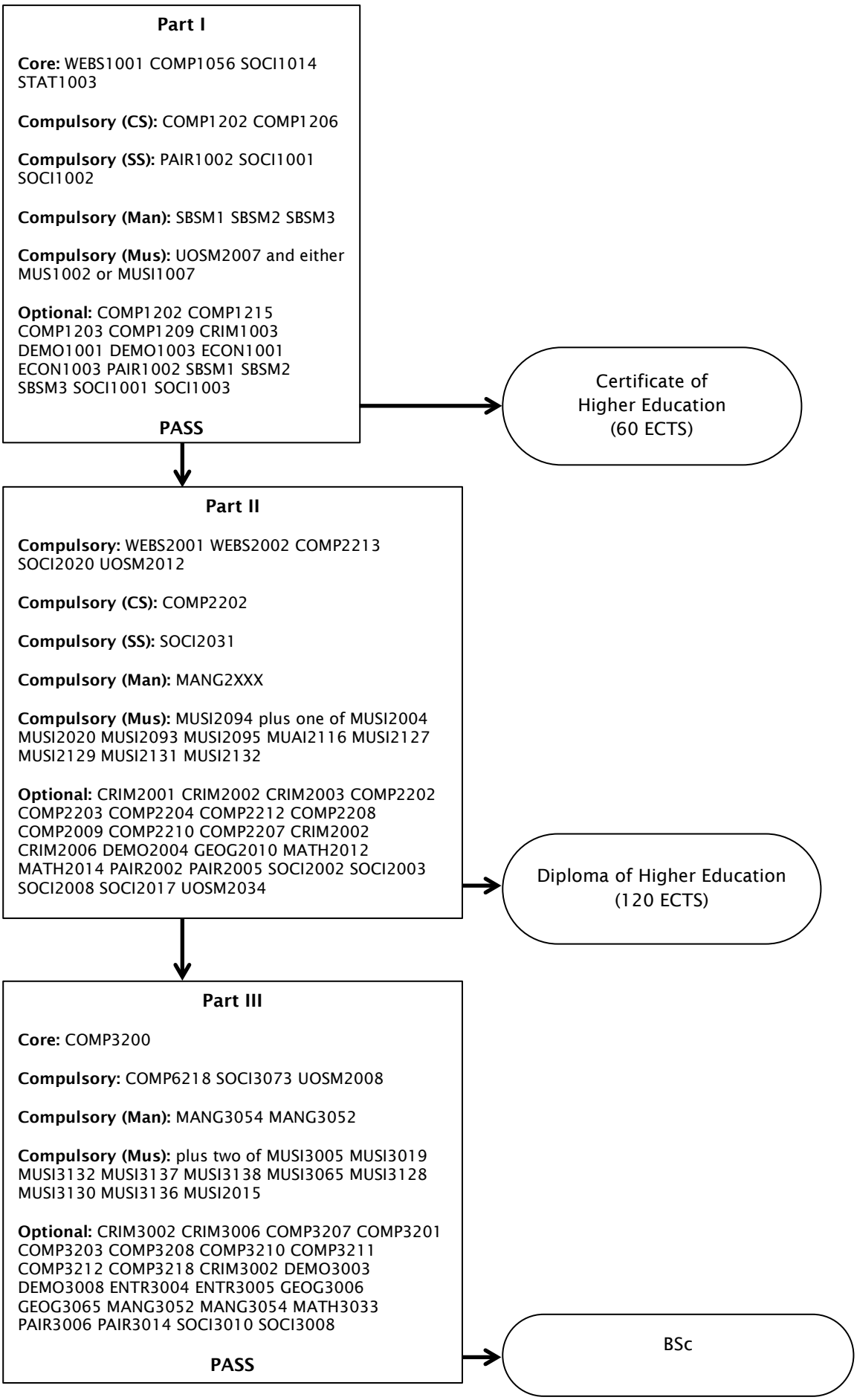


Figure 3. Breakdown of compulsory structure by key objectives.

BSc Web Science Programme Structure

Note that, for clarity, this overview of the programme structure does not detail the differences between the specialist pathway degrees; for these, see the detailed programme structure on pp. 8-12.



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.

Main Item	Sub-section	PROGRAMME SPECIFIC COSTS
Approved Calculators		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 models are Casio FX-570 and Casio FX-85GT Plus. These may be purchased from any source and no longer need to carry the University logo.
Stationery		You will be expected to provide your own day-to-day stationary items, e.g. pens, pencils, notebooks, etc). Any specialist stationery items will be specified under the Additional Costs tab of the relevant module profile.
Textbooks		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 **optional** 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.
Equipment and Materials Equipment	Art Equipment and Materials: Drawing paper; painting materials; sketchbooks	
	Art Equipment and Materials: Fabric, Thread, Wool	
	Design equipment and materials:	
	Excavation equipment and materials:	
	Field Equipment and Materials:	
	Laboratory Equipment and Materials:	
	Medical Equipment and Materials: Fobwatch; stethoscopes;	
	Music Equipment and Materials	
	Photography:	
	Recording Equipment:	

Main Item	Sub-section	PROGRAMME SPECIFIC COSTS
IT	Computer Discs	
	Software Licenses	
	Hardware	
Clothing	Lab Coats	
	Protective Clothing: Hard hat; safety boots; hi-viz vest/jackets;	
	Fieldcourse clothing:	
	Wet Suits?	
	Uniforms?	
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. A list of the University printing costs can be found here: http://www.southampton.ac.uk/isolutions/students/printing-for-students.page
Fieldwork: logistical costs	Accommodation:	
	Insurance	
	Travel costs	
	Immunisation/vaccination costs	
	Other:	
Placements (including Study Abroad Programmes)	Accommodation	
	Insurance	
	Medical Insurance	
	Travel costs	
	Immunisation/vaccination costs	
	Disclosure and Barring Certificates or Clearance	
	Translation of birth certificates	
	Other	
Conference expenses	Accommodation	
	Travel	
Optional Visits (e.g. museums, galleries)		
Professional Exams		
Parking Costs		
Anything else not covered elsewhere		

Revision History

1.	First Draft	May 2012	MJW
2.	Second Draft	Sept 2012	MJW
3.	Third Draft	Feb 2013	MJW
4.	Fourth Draft	March 2013	MJW
5.	Fifth Draft (minor ammendments)	Dec 2013	MJW
6.	Updated to include Management pathway and new ECS module structure.	May 2014	MJW

7. Updated to include Music pathway 1st July 2014 MJW
8. Updated to include new Management modules 17th July 2014 MJW
9. Updated with minor QAA corrections and updated music pathway 8th Dec 2014 MJW
10. Updated with minor module changes June 2015 MJW
11. Update to Support and Student Learning, IT Services June 2015 MPS
12. Update to Language Requirements June 2015 MPS
13. Approved by ECS Education Committee June 2015
14. Update to Programme Overview (CMA Changes) 24th August 2015 MJW
15. Updated with addition CMA changes 7/9/2015 MJW
16. Updated with minor options changes and revised external examiner 8th Feb 2016 MJW
17. Updated with minor FSHSM options changes and revised external examiner 26th Feb 2016 MJW
18. Updated with minor FSHSM options changes 8th Aug 2016 MJW
19. Updated optional module viability statement in programme structure 7th Dec 2016 CQA
20. Replaced COMP6218 Web Architecture with COMP3220 Web Infrastructure 10th April 2017 CQA
21. FPC approval for 17/18 12th April 2017 CQA
22. FPC approved optional module size caveat 7th December 2017 CQA