Programme Specification 2017/18

6050 BSc Business Analytics with Placement

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	4 full years (46 months) following standard progression for a full time student
Accreditation details	CIMA (Chartered Institute of Management Accountants), Advance Collegiate Schools of Business (AACSB)
Final Award	Bachelor of Science (Honours)
Name of award	Business Analytics with Placement
Interim Exit awards	Certificate of Higher Education and Diploma of Higher Education
FHEQ level of final award	6
UCAS code	N101
QAA Subject Benchmark or other external reference	Business and Management
Programme Lead	Max Chipulu
Date specification was written	27/06/2014
Date Programme was validated	02/12/2014
Date Specification last updated	21/09/2015

Programme overview

Brief outline of the programme

This course is part of Southampton Business School's undergraduate management portfolio. The portfolio is a collection of dynamic and innovative programmes which seek to provide you with theoretical and practical insight into past, current and future business issues. The portfolio engages with contemporary global issues and provides you with the opportunity to develop your business skills to ensure you are well equipped to enter industry, and ultimately lead organisations in the future. The portfolio's programmes share a common year to introduce you to core skills, analytical techniques, theories and perspectives. You then have the flexibility to select one of our leading programmes and to specialise in subjects of your interest which will enable you to follow your chosen career path.

Business Analytics is a relatively new discipline that helps organizations make sense of the huge amount data that is being collected through a variety of sources such as web and social media. It uses a combination of mathematics and data analysis techniques to uncover information in the data, enabling organizations to improve their operational efficiency and customize their products, services, and their prices based on customers' priorities. Hence, if you like maths, interested in web and social media and would like to know how they are used for creating value, this is the right programme for you. Many companies have already felt the need for business analytics and are recruiting people with the right skills, and many more are expected to follow. As such there are high employability prospects for graduates.

This four year program will train you in using traditional and contemporary data management systems, in particular the widely used analytics package SAS, and give you the mathematical skills needed for decision making informed by data analysis. You will also learn a range of qualitative skills required for successful problem formulation and problem solving as well as strategy implementation. Due to the strong links that the management science group has with private and public organizations, the modules have strong practical focus, often using real case studies and databases. As part of this programme, you will spend a minimum of 32 weeks on a placement in Year 3. This placement may be in any area related to business analytics, providing you with access to a wide range of organisations in which you can gain crucial business experience as part of your degree.

Your contact hours will vary depending on your module/option choices. Full information about contact hours is provided in individual module profiles.

The programme is accredited by the Association to Advance Collegiate Schools of Business (AACSB), which is an internationally recognised award of excellence in business education.

Special features of the programme

Students will be prepared to take the SAS Base programming certification exam.

Some modules will involve visiting speakers, where possible, and the opportunity to complete assessment tasks which have been developed with businesses and other organisations.

It is possible to undertake a placement year as part of the programme. This assessed year will provide you with the opportunity to see how theory connects to practice in real world environments, while gaining valuable work experience. You will benefit from being able to apply knowledge gained on your course, while testing the applicability of theories in practice. You will also be able to advance the business skills which you will have begun to develop earlier in the course. The placement should be an exciting and stimulating experience which will assist in developing your employability. As part of this programme, you will spend a minimum of 32 weeks on a placement in Year 3. This placement may be in any area related to entrepreneurship, providing you with access to a wide range of organisations in which you can gain crucial business experience as part of your degree. If you fail your placement year you will not be able to resit the year internally and externally and will transfer to the BSc Hons Business Analytics programme.

During your degree you will be provided with specialist support to prepare you for your placement year. You will receive advice and training in preparing CVs and applications, in addition to selection procedures and business skills. This will assist you in successfully gaining a placement, while helping you to enhance skills which will also support you in the workplace, after graduation.

Whilst on placement, your Placement Provider is required by law to comply with safety regulations and ensure the workplace is safe. "Safe" is where risks have been controlled to a level required by specific regulations, or so far as is reasonably practical if there is no regulation in place. It is important for those embarking on a placement to be aware of their responsibilities for themselves as well as for others, and to have knowledge concerning health and safety for when they are employed in a team.
As an employee, you must:

- Take reasonable care for the health and safety of yourself and others;
- Co-operate with your employer, which means abiding by the rules laid down in the Health and Safety arrangements of the workplace;
- Not interfere with or misuse anything provided for health, safety or welfare.

Failure to follow instructions from management that are connected to health and safety could lead, in the case of an accident, to employees as well as employers being held liable, so it is important that you take seriously any instructions given and ask for help if you do not understand any part of your role.
If you have concerns for your own safety or the safety of others, you should in the first instance report these to your Workplace Supervisor immediately. If the concerns cannot be resolved, you should follow the local procedures for reporting health and safety issues. You must inform us of all unresolved health and safety problems. Further details on health and safety whilst on placement will be provided in your Placement Handbook.

Learning and teaching

A range of teaching and learning methods will be utilised to ensure that the learning outcomes have been achieved. Learning activities will include:

- Lectures and Tutorials
- Group and Individual Assignments;
- Computer Labs;
- Class debates and discussions;
- Private Study;
- Use of online materials;
- Assignments involving 'real world' organisations;
- Simulations;
- Placement.

Class activities and problem solving exercises will enable you to gain feedback about your knowledge and understanding, prior to any formal summative assessments. Learning activities which involve working with real organisations will enable you to see how business analytics operates in a commercial context, while providing the opportunity to practice workplace relevant skills. In addition, all students have the opportunity to contact academics during term time to discuss matters relating to the learning, teaching and assessment on a module.

Assessment

A range of assessment methods are used on this programme to enable you to demonstrate your achievement of the intended learning outcomes, including:

- Individual written examinations;
- Individual written assessments, including reports and essays;
- Group work exercises, presentations, web-based material and reports;
- Business simulations;
- Reflective reports.

The final year includes a double-weighted project, where you will have the opportunity to apply the skills you learnt during the program on a real dataset. As a guide, it is aimed that written coursework will be returned within three working weeks.

Educational aims of the programme

The aims of the programme are to:

- Provide you with a detailed understanding of the key concepts and theoretical frameworks in business in general, and in business analytics in particular;
- Raise awareness of the latest trends in business in general, and in business analytics in particular;
- Provide you with insight into how business analytics operates in 'real world' contexts;
- Provide you with the precise set of skills and capabilities needed by industry and academia for exploiting data opportunities;
- Provide you with the opportunity to develop confidence and skills in managing, analysing, interpreting, and communicating large datasets;
- Offer a fresh and stimulating approach to mathematical decision making through integration with data and data analysis;
- Develop key business skills which are important in developing your career.

Programme learning outcomes

A. Knowledge and understanding

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

A1. Key theoretical and contemporary issues surrounding business in general and business analytics in particular;
A2. Knowledge and critical understanding of investigative techniques in business analytics;
A3. The value of data to businesses, consumers and the economy as a whole, and the major mechanisms through which value is created from data;
A4. Different types of business analytics techniques and their roles in releasing the value of data.

Teaching and learning methods

A range of teaching and learning methods suitable for building a well-structured knowledge base will be used. A1 will be achieved through a series of lectures and case studies, while A2 and A3 will be met though discussions, simulations, seminars, private study, individual and group exercises. Both real and illustrative case studies will be used to motivate topics, and facilitate learning and discussion. There will be high emphasis on formative feedback and student discussion assisted by education technology. A4 will be achieved through a mixture of online multimedia material, seminars and principally an individual final year project. A placement option is also available to develop extra skills and experience orientated around employability, which will also contribute to achieving A2, A3, and A4.

Assessment methods
Knowledge and understanding, strategies, concepts and management practices are assessed in each module. A1-A3 will be assessed through a combination of coursework, presentations, and examinations. Some modules have a group work element where marks are awarded as a group, but the larger percentage, or the entirety of a module, will be assessed by an individual's work. A4 is assessed primarily through an individual project. Feedback is also provided throughout the programme based upon student contribution to activities through practical exercises and discussions in class.

B. Subject specific intellectual and research skills

Having successfully completed this programme you will be able to:

B1. Manipulate and analyse large datasets using traditional as well as contemporary database management systems;
B2. Apply descriptive, predictive, and prescriptive analytics techniques on structured, semi-structured and unstructured data to extract patterns, forecast trends, run what-if scenarios, and determine the optimal course of action;
B3. Demonstrate a basic working knowledge of technologies specifically designed for big data;

B4. Visualize and communicate the results of your analysis in an efficient and effective way.

Teaching and learning methods
You are expected to attain a 'performative' level of understanding, i.e. be able to show effective judgement/ creativity in selection/development of an appropriate model for a real situation and demonstrate a high level of skills in data handling and analysis. As such learning/teaching methods used will mainly include case-based and problem-based learning, where learning starts from a problem or a series of problems presented by the lecturer, and in going about solving the problems you will learn the knowledge, facts and procedures that are needed. The cases and problems will be accompanied by relevant datasets, and there will be plenty of opportunities for students to get feedback from their lecturers as well as peers.

Assessment methods
Your ability to apply the intellectual and research skills that you have learnt is assessed by coursework or examination. B1-B4 will be assessed by a mix of examinations, presentations, essays, coursework assignments, and reports. You will receive feedback on your progress throughout the programme based upon your contribution to in-class activities and formative exercises. The final project is designed to test your ability to conduct an independent study on creating value using various business analytics techniques from a dataset provided by your supervisor. This important assessment addresses B1-B4 collectively.

C. Transferable and generic skills

Having successfully completed this programme you will be able to:

C1. Collect and critically evaluate qualitative and quantitative information;
C2. Communicate ideas and arguments fluently and effectively in a variety of written and spoken formats;
C3. Work effectively as an individual or in groups and recognise problems associated with group working;
C4. Use library and other resources effectively, and apply bibliographical skills.

Teaching and learning methods
Most modules develop some combination of the above skills though lectures, individual and group coursework assignments, workshops, case studies or reading. C1 will be addressed primarily through coursework assignments and the dissertation, in addition to in-class tasks where students will work with case study material which consists of different sources of data, as part of formative exercises. C2 and C3 will be achieved through individual and group exercises. This may include report writing, essays, presentations, or simulations. C4 will be met through the production of written group or individual work for summative assessment.

Assessment methods
The final project is the most appropriate method for testing transferrable and generic skills. The projects will be data driven and involves student working on a particular data set to find business problems they think are of interest and formulate their own solutions. Apart from addressing the above ILOs, this would also allow students to show some level of creativity in both formulating and solving the problem.

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.

The following table shows the mapping between the University's Graduate Attributes, and a key subset of the core and compulsory modules that form the degree programme.

Code	Module Title	Global Citizenship	Ethical Leadership	Research and Inquiry	Academic	Communication Skills	Reflective Learner
MANG1020	Ideas that Shaped the Business World 1	●			●		●
MANG1018	Technologies that Shaped the Business World 1	●			●		●
MANG1021	Ideas that Shaped the Business World 2	●			●		●
MANG1022	Technologies that Shaped the Business World 2	●			●		●
MANG1017	Skills for Business	●	●			●	
MANG1019	Foundations of Business Analytics			●	●	●	●
MANG2062	SAS Base Programming				●	●	●
MANG2006	Principles and Practice of Management Science	●	●	●	●		●
MANG2065	Business Forecasting			●	●	●	●
MANG2002	Business Simulation			●	●	●	●
MANG2056	Placement	●	●	●	●	●	●
MANG3010	Knowledge Management	●			●		●
MANG3056	Data Mining for Marketing	●	●		●	●	●
MANG3013	Optimization				●		●
MANG3073	Analytics in Action	●			●	●	●
MANG3074	Final Project	●	●	●	●	●	●

Programme structure

Typical course content

This course structure is consistent with other undergraduate programmes in the pathway portfolio. You will study eight modules in each year of the degree, divided equally between the semesters. In the first year of your study (Part 1), you will study a common year to gain with a basic overview of analytical techniques, skills, theory and knowledge relevant to a business degree. In the second year (Part 2), the programme will provide intermediate-level training in SAS, the widely used analytic software packages in the industry, which will be used for performing computations and analysis in the majority of the courses that follow. You will also learn forecasting methods and simulation techniques. You will be able to choose two optional modules in each semester of the second year (Part 2) to broaden your horizons.

In the third year (Part 2) you will undertake a placement for a minimum of 32 weeks and complete a reflective log. This placement may be in any area related to business analytics. If you are unable to complete a placement, you will be transferred to the BSc Business Analytics programme.

Basics of data mining and knowledge management as well as some advanced topics in analytics and optimization will be taught in the fourth year (Part 3), along with a double-weighted final project. The final project will run in a more structured way compared to other dissertations as it will be data-driven and involves applying the knowledge and skills developed on the program. You can also take one optional module in each semester of Part 3.

There is also the opportunity for you to choose modules from the University's Curriculum Innovation initiative, where you can undertake some interdisciplinary modules from other Faculties and Schools. You also have the opportunity to choose selected options from other Schools, which are relevant to the degree programme, subject to availability.

The information in this programme specification may change in minor ways from year to year; it is accurate at the time of writing. Some of these modules are subject to pre-requisites and exclusions that, for brevity, are not given here.

Information about pre and co-requisites is included in individual module profiles.

Programme details

Part 1
In your first year (Part 1), you will take 60 ECTS (120 CATS) at FHEQ Level 4, 30 ECTS (60 CATS) in each semester as shown below. Note that six of the Part 1 modules are core and must be passed in order to progress whilst MANG1001 Financial Accounting and MANG1017 Key Skills for Business are compulsory and hence can be compensated.

Part 2
In your second year, you will take 60 ECTS (120 CATS) at FHEQ Level 5, 30 ECTS (60 CATS) in each semester. Two modules in Part 2 are compulsory (15 ECTS/30 CATS) and two are core (15 ECTS/30 CATS). The remaining (30 ECTS/60 CATS) can be taken from a list of optional modules. You should choose 15 ECTS (30 CATS) of options per Semester. Each semester 7.5 ECTS (15 CATS) of option modules may include modules provided by the Curriculum Innovation Project or a Language module.

Part 2 (Year 3) Yearlong Placement
A placement of a minimum of 32 weeks is undertaken. This placement is assessed and you must pass to be eligible for the award of BSc Business Analytics with Placement Year.

Part 3 (Year 4)
A compulsory Final Project module runs across Semester 1 and 2 (15 ECTS/30 CATS). You will also take 30 ECTS (60 CATS) of compulsory modules in Part 3. In addition, you will be able to select 15 ECTS/30 CATS of optional modules in the final year. For the option module list please see appendix 2 where you will also find information about the pre-requisite requirements for all core, compulsory and option modules.

Summary structure of the programme

See Appendix 3

Assessment mapping

See 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. Costs that students registered for this programme typically also have to pay for are included in **Appendix 4.**

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.

Intermediate exit points

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/CATS	Minimum ECTS/CATS required at level of award
Diploma of Higher Education	at least 120/240	45/90
Certificate of Higher Education	at least 60/120	45/90
Bachelor's degrees [eg: BA (Hons), BSc (Hons), BEng (Hons)] (for integrated masters' programmes)	at least 180/360	45/90

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 Hartley Library.
- Enabling Services offering support services and resources via a triage model to access crisis management, mental health support and counselling.
- assessment and support (including specialist IT support) facilities if you have a disability, long term health problem or Specific Learning Difficulty (e.g. dyslexia)
- 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
- Other support that includes health services (GPs), chaplaincy (for all faiths) and 'out of hours' support for students in Halls (18.00-08.00)
- A Centre for Language Study, providing assistance in the development of English language and study skills for non-native speakers.

The Union Southampton provides

- an academic student representation system, consisting of Course Representatives, Academic Presidents, Faculty Officers and the Vice-President Education; Union Southampton 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 dedicated study skills development induction programme for new entrants in their first week, including a library tour.
- An Personal Academic Tutor
- Programme handbooks
- Module support material (increasingly in electronic form).

To enhance the student learning experience, and to create programme identity, students will be grouped by programme when being allocated to personal academic tutors, where possible, so that students are introduced to their course colleagues at an early stage. Where possible, student tutorial groups in Year 1 will be streamed by programme to ensure that students studying the same course are able to retain a core identity and focus their summative and formative assessments on the topic of analytics to enhance their studies.

Prior to selecting your optional modules, you will have the opportunity to attend an Options Fair to find out more about the different modules, and to support you during your decision-making. You will also have the opportunity to meet your personal tutor to discuss potential option choices and to provide guidance based on your future career objectives.

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 evaluation 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 feedback 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 Assessment Exercise (our research activity contributes directly to the quality of your learning experience)
- Institutional Review by the Quality Assurance Agency
- Higher Education Review by the Quality Assurance Agency for Higher Education

Criteria for admission

The University's Admissions Policy www.southampton.ac.uk/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. The entry criteria for our programmes are reviewed annually by the Faculty. Those stated below were correct as of August 2016. **Applicants should refer to their specific offer conditions on their offer letter.**

Qualification	Grades	Subjects required	Subjects not accepted	EPQ Alternative offer	Contextual Alternative offer
GCE A level	AAB	No compulsory subjects	**One subject from the following list is accepted if combined with other academic subjects:** Applied subjects (however single Applied Business & Double Applied Business are acceptable) Art: including Design, Fine Art, Photography, Textiles (Product Design is acceptable), Critical Thinking, Home Economics ICT (excludes Computing & Computer Studies), Media Studies, Creative Media, Communication Studies, Music and Music Technology, Sports Studies, PE , Dance, Theatre Studies, Performing Arts, Drama, Travel & Tourism, Health & Social Care **Excluded Subject:** General Studies	ABB with A in EPQ	ABB
GCSE	B		Maths		
GCSE	C		English		

Mature applicants

Age 21 and over-Recent evidence of study in last two/three years-applicant could be interviewed

Recognition of prior learning (RPL)

If you have professional experience, or credit through prior learning at another institution, you may be eligible to use this experience against some of the programme requirements for period of study. You will need to present evidence that you have met the learning outcomes of the programme. The University's Recognition of Prior Learning Policy can be accessed via the link below:
http://www.southampton.ac.uk/quality/assessment/prior_learning.page

English language proficiency (IELTS)

Overall	Listening	Reading	Writing	Speaking
6.5	6.0	6.0	6.0	6.0

For a full list of English language tests accepted can be viewed here:
http://www.southampton.ac.uk/studentadmin/admissions/admissions-policies/language.page

Career opportunities

The career opportunities are wide and varied in this discipline, covering almost any organization that is investing in data and data usage. In addition, many consultancy companies as well as government agencies need competent business analysts. Considering the shortage of skilled workers in the area of business analysts both in the UK and internationally, it is expected that students will be attracted by the industry soon after the graduation.

External Examiner(s) for the programme

Name: Dr Svetlana Warhust **Institution:** Essex University

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 https://www.sbs.ac.uk/

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.

Revision History

1. Validated Dec 2014
2. Transferred to new template 21/09/15
3. Transferred to new template 24/02/17

Appendix 1:

6050 BSc Business Analytics with Placement learning outcomes document

Core = (Cr), Compulsory = (Cm), Optional Core = (OCr)

Module Code	Module Title	Knowledge and Understanding				Subject Specific Intellectual Skills				Transferable/Key Skills			
		A1	A2	A3	A4	B1	B2	B3	B 4	C1	C2	C3	C4
MANG1001	Financial Accounting 1 (Cm)	•		•			•		•	•	•	•	•
MANG1020	Ideas that Shaped the Business World 1 (Cr)	•	•			•	•	•		•	•	•	•
MANG1018	Technologies that Shaped the Business World 1 (Cr)	•	•			•	•	•		•	•	•	•
MANG1019	Foundations of Business Analytics (OCr)	•	•	•	•		•		•	•	•	•	•
MANG1007	Management Analysis (OCr)	•	•	•	•		•		•	•	•	•	•
MANG1002	Management Accounting 1 (Cr)	•		•			•		•	•	•	•	•
MANG1021	Ideas that Shaped the Business World 2 (Cr)	•	•			•	•	•		•	•	•	•
MANG1022	Technologies that Shaped the Business World 2 (Cr)	•	•			•	•	•		•	•	•	•
MANG1017	Key Skills for Business (Cm)	•	•							•	•	•	•
MANG2062	SAS Base Programming (Cr)				•	•	•	•	•	•	•	•	•
MANG2006	Principles and Practice of Management Science (Cm)	•	•	•	•		•		•	•	•	•	•
MANG2065	Business Forecasting (Cr)			•	•	•	•		•	•	•	•	•
MANG2002	Business Simulation (Cm)			•	•		•		•		•	•	•
MANG2063	Placement (Cr)	•	•	•	•	•	•	•	•	•	•	•	•
MANG3010	Knowledge Management (Cm)	•	•				•			•	•	•	•
MANG3056	Data Mining for Marketing (Cm)			•	•	•	•	•	•	•	•	•	•
MANG3013	Optimization (Cm)			•	•		•		•	•	•	•	•
MANG3073	Analytics in Action (Cm)		•	•	•	•	•	•	•	•	•	•	•
MANG3074	Final Project (Cm)	•	•	•	•	•	•	•	•	•	•	•	•

Appendix 2

6050 BSc Business Analytics with Placement assessment mapping document

Module Code	Module Title	Assessment 1	Assessment 2
MANG1001	Financial Accounting 1 (Cm)	Multiple Choice Test (MCT) 20%	Exam (2 hours) 80%
MANG1020	Ideas that Shaped the Business World 1 (Cr)	Individual Assignment (1,000 words) 40%	Individual Assignment (1,500 words) 60%
MANG1018	Technologies that Shaped the Business World 1 (Cr)	Individual Assignment (1,000 words) 40%	Individual Assignment (1,500 words) 60%
MANG1019	Foundations of Business Analytics (OCr)	Online test - 20%	Exam (2 hours) 80%
MANG1007	Management Analysis (OCr)	Online test - 20%	Exam (2 hours) 80%
MANG1002	Management Accounting 1 (Cr)	Multiple Choice Test (MCT) 30%	Exam (2 hours) 70%
MANG1021	Ideas that Shaped the Business World 2 (Cr)	Individual Assignment (1,000 words) 40%	Individual Assignment (1,500 words) 60%
MANG1022	Technologies that Shaped the Business World 2 (Cr)	Individual Assignment (1,000 words) 30%	Exam (2 hours) 70%
MANG1017	Key Skills for Business (Cm)	Group Report (2,500 words) 20%	Individual Reflective Report (1,500 words) 80%
MANG2062	SAS Base Programming (Cr)	Individual Coursework 1: Basic SAS Program 20%	Individual Coursework 2: SAS Data Analysis Project 80%
MANG2006	Principles and Practice of Management Science (Cm)	Individual Assignment (2,000 words) 30%	Exam (2 hours)70%
MANG2065	Business Forecasting (Cr)	Individual Assignment (2,500 words plus computer models) 100%	
MANG2002	Business Simulation (Cm)	3 x Individual Coursework (including practical exercises and @Risk and Simul8 and some discussion) 40%	Exam (2 hours) 60%
MANG2063	Placement (Cr)	Reflective learning report (3000 words) – 100%	n/a
MANG3010	Knowledge Management (Cm)	Individual Assignment (1,500 words) 40%	Exam (2 hours) 60%
MANG3056	Data Mining for Marketing (Cm)	Individual Project (3,000 words) 100%	n/a
MANG3013	Optimization (Cm)	Group Assignment (2,000 words) 40%	Exam (2 hours) 60%
MANG3073	Analytics in Action (Cm)	Individual Assignment (1,500 words) 30%	Exam (2 hours) 70%
MANG3074	Final Project (Cm)	Project Report (10,000 words) 100%	

Appendix 3

6050 BSc Business Analytics with Placement programme structure

Part 1 (year 1)			
Semester 1		**Semester 2**	
Core Modules (must take and pass)	**ECTS (CATS)**	**Core Modules (must take and pass)**	**ECTS (CATS)**
MANG1020 Ideas that Shaped the Business World 1	7.5(15)	MANG1002 Management Accounting 1	7.5(15)
MANG1018 Technologies that Shaped the Business World 1	7.5(15)	MANG1021 Ideas that Shaped the Business World 2	7.5(15)
Either MANG1019 Foundations of Business Analytics (A level Maths or confident in Maths) **OR** MANG1007 Management Analysis (if no A level Maths)	7.5(15)	MANG1022 Technologies that Shaped the Business World 2	7.5(15)
Compulsory Modules (must take)	**ECTS (CATS)**	**Compulsory Modules (must take)**	**ECTS (CATS)**
MANG1001 Financial Accounting 1	7.5(15)	MANG1017 Key Skills for Business	7.5(15)

Part 2(year 2)			
Semester 1		**Semester 2**	
Core Modules (must take and pass)	**ECTS (CATS)**	**Core Modules (must take and pass)**	**ECTS (CATS)**
MANG2062 SAS Base Programming (Req Technologies 2 and MANG1019 or MANG1007]	7.5(15)	MANG2065 Business Forecasting (Req MANG2062)	7.5(15)
Compulsory Modules (must take)	**ECTS (CATS)**	**Compulsory Modules (must take)**	**ECTS (CATS)**
MANG2006 Principles and Practice of Management Science (Req MANG1019 or Maths/MANG1007)	7.5(15)	MANG2002 Business Simulation (Req MANG2006)	7.5(15)
Option Modules Choose 15ECTS (30CATS)	**ECTS (CATS)**	**Option Modules Choose 15ECTS (30CATS)**	**ECTS (CATS)**
MANG2015 Financial Management Maths (Req (MANG1007 or MANG1019) & MANG1020 & MANG1021)	7.5(15)	MANG2007 Problem Structuring Methods (Req MANG1003 or MANG1020 & MANG1021)	7.5(15)
MANG2058 Digital Business Models	7.5(15)	MANG2021 Operations Management	7.5(15)
MANG2070 Digital Marketing		ENTR2004 Innovation, Technology, and the Environment (Req MANG1003 or MANG1018 & MANG1022)	7.5(15)
MANG2071 Business Analytics Programming (also available in Part 3 – can only be taken once)	7.5(15)	COMP1056 Web Design	7.5(15)
LANGXXXX or UOSMXXXX	7.5(15)	LANGXXXX or UOSMXXXX	7.5(15)

Part 2 (year 3)	
Semester 1	**Semester 2**
Core Modules (must take and pass)	**ECTS (CATS)**
MANG2063 Placement Note: Students can refer but not repeat the placement year hence any student failing the placement will be offered a transfer to the BSc Business Analytics 3 year programme.	0 (0)

Part 3 (year 4)			
Semester 1		**Semester 2**	
Compulsory Modules (must take)	**ECTS (CATS)**	**Compulsory Modules (must take)**	**ECTS (CATS)**
MANG3074 Final Project			15(30)
MANG3010 Knowledge Management	7.5(15)	MANG3013 Optimization *(Req MANG1019 or Maths or MANG1007)*	7.5(15)
MANG3056 Data Mining for Marketing *(Req MANG1019 or MANG1007)*	7.5(15)	MANG3073 Analytics in Action *(Req MANG3056)*	7.5(15)
Option Modules- Choose 7.5ECTS (15CATS)	**ECTS (CATS)**	**Option Modules- Choose 7.5ECTS (15CATS)**	**ECTS (CATS)**
MANG3046 Managing Innovation	7.5(15)	MANG3032 Risk Management	7.5(15)
MANG3053 Customer Insight *(Req MANG2039 or taken in conjunction with MANG3054)*	7.5(15)	MANG3034 Project Management	7.5(15)
MANG3069 Service and Organization Innovation	7.5(15)	MANG3066 Managing High Growth Business	7.5(15)
MANG3072 Technological Innovation *(Req ENTR2004)*	7.5(15)	MANG3075 Future Horizons for Enterprise	7.5(15)
MANG2071 Business Analytics Programming (also available in Part 2 – can only be taken once)	7.5(15)	MANG3078 Strategic Operations Management	7.5(15)

Appendix 4

6050 BSc Business Analytics with Placement 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:

- Books and Stationery Equipment (such as Lab equipment, Field Equipment, Art equipment, Recording Equipment, stethoscopes, fob watch, Excavation equipment, Approved Calculators)
- Software Licenses
- Printing and Photocopying Costs (such as Printing coursework for submission, Printing and binding dissertations or theses, Academic Poster (A1) printing).
- Work Experience and Placements (including accommodation costs near the placement, additional insurance costs)
- Travel Costs for placements, field trips and to and from the University and various campus locations (including travel insurance).
- Paying for immunisation and vaccination costs before being allowed to attend placements.
- Parking costs (including on placements at hospitals)
- Replacing lost student ID cards
- Costs of attending a graduation ceremony (e.g. hiring a gown for graduation).

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 http://www.calendar.soton.ac.uk/

Appendix 5

6050 BSc Business Analytics with Placement accreditation details

Date approv	Start Date	End Date	Type of PSRB	BODY	PROF PAPER	AWARDED ON
07/07/2015	2018	2020	Accountancy	CIMA	BA1 Fundamentals of Business Economics	Passing all Core modules
07/07/2015	2018	2020	Accountancy	CIMA	BA2 Fundamentals of Management Accounting	Passing all Core modules
07/07/2015	2018	2020	Accountancy	CIMA	BA3 Fundamentals of Financial Accounting	Passing all Core modules
07/07/2015	2018	2020	Accountancy	CIMA	BA4 Fundamentals of Ethics, Corporate Governance and Business Law	Passing all Core modules
07/07/2015	2018	2020	Accountancy	CIMA	E1 Organisational Management	Passing all Core modules