Imperial College London

Programme Information		
Programme Title	Programme Code	HECoS Code
Business Analytics (online delivery, part-time)	N290S	For Registry Use Only

Award	Length of Study	Mode of Study	Entry Point(s)	Total Credits	
				ECTS	CATS
MSc	24 months	Part-time	Annually in September	90	180

Ownership			
Awarding Institution	Imperial College London	Faculty	Imperial College Business School
Teaching Institution	Imperial College London	Department	Imperial College Business School
Associateship	N/A	Main Location(s) of Study	South Kensington Campus
External Reference			
Relevant QAA Benchmark Statement(s) and/or other external reference points		Master's Awards in Business and Management	
FHEQ Level		Level 7 – Master's	
EHEA Level		2nd Cycle	
External Accreditor(s) (if applicable)			
External Accreditor 1:	AMBA		
Accreditation received:	1987	Accreditation renewal:	2023 (expected)
External Accreditor 2:	EQUIS		
Accreditation received:	2006	Accreditation renewal:	2025 (expected)
External Accreditor 3:	AACSB International		
Accreditation received:	2012	Accreditation renewal:	2023 (expected)
Collaborative Provision			
Collaborative partner	Collaboration type	Agreement effective date	Agreement expiry date
N/A	N/A	N/A	N/A
Specification Details			

Programme Lead	Professor Kalyan Talluri
Student cohorts covered by specification	2022-23 entry
Date of introduction of programme	October 18
Date of programme specification/revision	July 22

Programme Overview

The MSc in Business Analytics (online) is offered over 24 months part-time starting in September. The programme goal is to enable graduates to understand the challenge of managing large data sets, analyse them to gain insights for a firm, and to provide them with a skill set to meet this challenge. The programme combines academic rigour and practical relevance. There is a careful balance of teaching and learning, individual and group work. Large data sets, programming skills, hands-on coursework and discussions (via the VLE) are used to strengthen the conceptual, analytical and problem-solving skills of the participants in real situations. The programme prepares graduates for a future of data driven and evidence-based decision making. You will learn how to apply the latest academic thinking and analytical and computing tools to help make business decisions, from leading practitioners and world-class faculty

Although grounded in rigorous technical and quantitative training, our programme is also highly applied. Electives and projects are sector-focussed, giving you the opportunity to tailor the programme to your interests.

The programme comprises 9 compulsory modules, and a choice of 6 elective modules from a range of subject areas. These modules are taught over 24 calendar months. During the final 3 months, students will complete the Analytics in Business Capstone Project or an Individual Research Report.

Learning Outcomes

Students who complete the programme successfully will be able to:
- Create and maintain large data sets;
- Interpret, explain and evaluate large data sets in a business environment;
- Describe, assess and appraise current issues in Business Analytics;
- Develop a set of lifelong learning skills applicable to the business environment.

The Imperial Graduate Attributes are a set of core competencies which we expect students to achieve through completion of any Imperial College degree programme. The Graduate Attributes are available at:
www.imperial.ac.uk/students/academic-support/graduate-attributes

Entry Requirements

Academic Requirement	The minimum requirement is normally a 2:1 UK Bachelor's Degree with Honours or a comparable qualification recognised by the College in Business, Economics, Engineering, Computer Science, Mathematics, Statistics, Physics or a quantitative social science. The Business School does not award credit for Prior Learning (Recognition of Prior Certified Learning (RPCL) or Recognition of Prior Experiential Learning (RPEL)).
Non-academic Requirements	Two references
English Language Requirement	Higher requirement (PG) IELTS score of 7.0 overall (minimum 6.5 in all elements).
Admissions Test/Interview	Applicants are required to attend a recorded interview

The programme's competency standards documents can be requested from the Education Quality team.

Learning & Teaching Approach

Learning and Teaching Delivery Methods

The programme combines academic rigour and practical relevance. There is a careful balance of teaching and learning, individual and group work.

Independent learning
Students are expected to spend significant time on independent study outside of directed learning time on the HUB. This will typically include accessing resources online, reading journal articles and books, undertaking research in the library, reviewing lecture notes and watching lecture recordings, working on individual and group projects, working on coursework assignments and revising for exams.

Active Learning

Projects
All students are required to undertake the Analytics in Business Capstone project as the final summative piece of their degree or an Individual Research Report for those wishing to pursue further academic study.

Overall Workload
Your overall workload consists of directed online learning sessions and independent learning. While your actual contact hours may vary according to the elective modules you choose to study, the following gives an indication of how much time you will need to allocate to different activities at each level of the programme. At Imperial, each ECTS credit taken equates to an expected total study time of 25 hours. Therefore, the expected total study time is 2250 hours per year.

On average during the two years of the programme, students are expected to spend around 20% of their time on directed learning, 70% on independent study and group work, 5% on careers and personal development and 5% of their time on other activities (e.g. social, leisure clubs). There are typically 80 students per cohort on the programme and group work is normally conducted in syndicate teams of 3-6 students

Assessment Strategy

Assessment Methods

Modules will be assessed by one or more of the following types of assessment methods:

- Essays
- Continuous assessments
- Written Examinations/Tests
- Multiple Choice Tests
- Formal Presentations
- Video Presentations
- Reports
- Simulations
- Case Studies
- Class Participation

Assessed modules comprise coursework that is designed to help you master key elements of the subject and, in part, to help prepare you for the final assessment, which is typically a report or examination. Examinations are scheduled throughout the year, generally at the end of the term the module is taught or at the start of the subsequent term. Exact timings are detailed in the programme overview section above. The format of examinations may be written, computer-based or timed remote assessment.

Coursework weighting varies among modules. The various assessments allow you to demonstrate that you have met the intended learning outcomes for each module and these collectively contribute towards your achievement of the programme's learning outcomes, detailed above.

Assessments are designed to ensure that you have acquired the core knowledge and skills expected of a Business School graduate and that you are able to apply these in your career aspirations upon completion of the programme

Feedback can take many forms. You will receive written feedback on all coursework along with other forms of feedback such as verbal feedback on presentations.

Balance of assessment

Compulsory (core) modules
Coursework 65%
Exam - 35%

Electives
Coursework – 100%

Academic Feedback Policy

The School aims to provide feedback to students on coursework within two weeks and to provide provisional examination grades six weeks from the examination date. With each returned coursework assignment, a written evaluation will be provided. General feedback to the cohort is provided on examination performance. Students will be provided with a percentage mark. All percentage marks received during the year are deemed provisional until confirmed by the Final Examination Board, which is attended by the Programmes External Examiners.

The College's Policy on Academic Feedback and guidance on issuing provisional marks to students is available at:
www.imperial.ac.uk/about/governance/academic-governance/academic-policy/exams-and-assessment/

Re-sit Policy

The College's Policy on Re-sits is available at: www.imperial.ac.uk/student-records-and-data/for-current-students/undergraduate-and-taught-postgraduate/exams-assessments-and-regulations/

Mitigating Circumstances Policy

The College's Policy on Mitigating Circumstances is available at: www.imperial.ac.uk/student-records-and-data/for-current-students/undergraduate-and-taught-postgraduate/exams-assessments-and-regulations/

Additional Programme Costs

This section should outline any additional costs relevant to this programme which are not included in students' tuition fees.

Description	Mandatory/Optional	Approximate cost
1st On Campus Week, December First Year – Exams Week	Mandatory	Own housing + travel
2nd On Campus Week, July First Year – Exams Week	Mandatory	Own housing and travel

Important notice: The Programme Specifications are the result of a large curriculum and pedagogy reform implemented by the Department and supported by the Learning and Teaching Strategy of Imperial College London. The modules, structure and assessments presented in this Programme Specification are correct at time of publication but might change as a result of student and staff feedback and the introduction of new or innovative approaches to teaching and learning. You will be consulted and notified in a timely manner of any changes to this document.

Year 1 - FHEQ Level 7 Students study all compulsory modules.					
Code	Module Title	Core/ Elective/ Compulsory	Group	Term	Credits
BUSI70070	Plagiarism Awareness	Required		Pre- sessio nal	0
BUSI70201	Business and Maths Foundations for Business Analytics	Compulsory	Foundation	AU	5
BUSI70216	Maths and Statistics Foundations for Analytics	Compulsory	Foundation	AU	5
BUSI70207	Data Structures and Algorithms	Compulsory	Foundation	AU	5
BUSI70218	Optimisation & Decision Models	Compulsory	Foundation	SP	5
BUSI70220	Statistics and Econometrics	Compulsory	Foundation	SP	5
BUSI70211	Fundamentals of Database Technologies	Compulsory	Foundation	SP	5
BUSI70215	Machine Learning	Compulsory	Integrative	SU	5
BUSI70217	Network Analytics	Compulsory	Integrative	SU	5
BUSI70221	Visualisation	Compulsory	Integrative	SU	5
				Credit Total	45

Year 2 - FHEQ Level 7 Students select Electives from Group A to the value of 15 ECTS and from Group B to the value of 15 ECTS and one elective from Group C.					
Code	Module Title	Core/ Elective/ Compulsory	Group	Term	Credits
BUSI70222	Workforce Analytics	Elective	Integrative (Group A)	SP	5
BUSI70214	Logistics and Supply Chain Analytics	Elective	Integrative (Group A)	AU	5
BUSI70212	Healthcare and Medical Analytics	Elective	Integrative (Group A)	AU	5
BUSI70209	Energy Analytics	Elective	Applied (Group A/B)	SP	5
BUSI70208	Digital Marketing Analytics	Elective	Applied (Group A/B)	SP	5
BUSI70219	Retail and Marketing Analytics	Elective	Applied (Group A/B)	SP	5
BUSI70204	Advanced Machine Learning	Elective	Applied (Group B)	SU	5

BUSI97787	Business Problem Solving	Elective	Applied (Group A/B)	SU	5
BUSI70035	Emerging Technologies in Marketing	Elective	Applied (Group A/B)	SU	5
BUSI70210	Financial Analytics	Elective	Applied (Group B)	SU	5
BUSI70206	Analytics in Business Capstone Project	Elective	Applied (Group C)	SU	15
BUSI70213	Individual Research Report	Elective	Applied (Group C)	SU	15
				Credit Total	45

Progression and Classification

Award and Classification for Postgraduate Students

Award of a Postgraduate Degree (including MRes)
To qualify for the award of a postgraduate degree a student must have:
1. accumulated credit to the value of no fewer than 90 credits at level 7 or above of which no more than 15 credits may be from credit level 6;
2. and no more than 15 credits as a Compensated Pass;
3. met any specific requirements for an award as outlined in the approved programme specification for that award.

Classification of Postgraduate Taught Awards

The College sets the class of Degree that may be awarded as follows:
1. Distinction: The student has achieved an overall weighted average of 70.00% or above across the programme.
2. Merit: The student has achieved an overall weighted average of above 60.00% but less than 70.00%.
3. Pass: The student has achieved an overall weighted average of 50.00% but less than 60.00%.

a. For a Masters, students must normally achieve a distinction (70.00%) mark in the dissertation or designated final major project (as designated in the programme specification) in order to be awarded a distinction.
b. For a Masters, students must normally achieve a minimum of a merit (60.00%) mark in the dissertation or designated final major project (as designated in the programme specification) in order to be awarded a merit
c. Modules taken at level 6 as part of the programme specification for a named postgraduate award will contribute to the determination of pass, merit or distinction for any taught postgraduate award and are included in the calculation of the overall weighted average.

Programme Specific Regulations

All modules are equally weighted, with the exception of the Analytics in Business Capstone Project and Individual Research Report which are doubly weighted and the Business and Maths Foundations for Business Analytics which is zero weighted

There are three module groups (Foundation, Integrative and Applied Modules):

Pass
- An aggregate mark of 50% or greater across the programme as a whole
- An average of 50% or above in each module group
- A pass in Business and Maths Foundations for Business Analytics

Merit
- An aggregate mark of 60% or greater across the programme as a whole
- An average of 60% or above in each module group
A pass in Business and Maths Foundations for Business

Distinction
- An aggregate mark of 70% or greater across the programme as a whole
- An average of 70% or above in each module group
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A pass in Business and Maths Foundations for Business

Supporting Information
The Programme Handbook is available at: TBA
The Module Handbook is available at: TBA
The College's entry requirements for postgraduate programmes can be found at: www.imperial.ac.uk/study/pg/apply/requirements
The College's Quality & Enhancement Framework is available at: www.imperial.ac.uk/registry/proceduresandregulations/qualityassurance
The College's Academic and Examination Regulations can be found at: www.imperial.ac.uk/about/governance/academic-governance/regulations
Imperial College is an independent corporation whose legal status derives from a Royal Charter granted under Letters Patent in 1907. In 2007 a Supplemental Charter and Statutes was granted by HM Queen Elizabeth II. This Supplemental Charter, which came into force on the date of the College's Centenary, 8th July 2007, established the College as a University with the name and style of "The Imperial College of Science, Technology and Medicine". www.imperial.ac.uk/admin-services/secretariat/college-governance/charters/
Imperial College London is regulated by the Office for Students (OfS) www.officeforstudents.org.uk/advice-and-guidance/the-register/
This document provides a definitive record of the main features of the programme and the learning outcomes that a typical student may reasonably be expected to achieve and demonstrate if s/he takes full advantage of the learning opportunities provided. This programme specification is primarily intended as a reference point for prospective and current students, academic and support staff involved in delivering the programme and enabling student development and achievement, for its assessment by internal and external examiners, and in subsequent monitoring and review.

Modifications			
Description	Approved	Date	Paper Reference
N/A	N/A	N/A	N/A