Programme Regulations: 2023/24

Programme Title:
MSc Digital and Technology Solutions Specialist Integrated Degree Apprenticeship - Data Analytics Specialist
Code: 5419P

Notes
(i) These programme regulations should be read in conjunction with the University's Taught Programme Regulations.
(ii) A core module is a module, which a student must pass.
(iii) A compulsory module is a module, which a student is required to study.

1. Programme Structure
(a) The programme is available for study in degree apprenticeship mode only
(b) The period of study for degree apprenticeship mode shall normally be 2 years starting in September.
(c) The programme comprises modules to a credit value of 180.
(d) All candidates shall take the following compulsory modules:

2. Stage 1/Year 1
All candidates shall take the following compulsory modules:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Credits Sem 3*	*Level*	*Mode*
CSC8415	Strategic Case Studies	20		10	10	7	Block
CSC8641	Big Data Analytics	10	10			7	Block
CSC8642	Data Visualization	10	10			7	Block
CSC8643	Data Management and Exploratory Data Analysis	10	10			7	Block
NBS8416	Digital Technologies and Innovation Management	20		20		7	Block
NBS8417	Leadership and Change in a Digital Age	20			20	7	Block

3. Stage 1/Year 2

(a) Candidates who commenced their studies prior to September 2023 will take the following compulsory modules:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Credits Sem 3*	*Level*	*Mode*
CSC8409	Capstone Project for Data Analytics Degree Apprenticeship	60		30	30	7	Linear
CSC8644	Practical Machine Learning for Data Analysis	10	10			7	Block
MAS8403	Statistical Foundations of Data Science	10	10			7	Block
MAS8404	Statistical Learning for Data Science	10	10			7	Block

(b) All candidates shall take the following compulsory modules in the second year of the programme:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Credits Sem 3*	*Level*	*Mode*
CSC8409	Capstone Project for Data Analytics Degree Apprenticeship	60		30	30	7	Linear
CSC8644	Practical Machine Learning	10	10			7	Linear
MAS8407	Practical Statistics for Exploratory Data Analytics	20	20			7	Linear

4. Assessment methods

Details of the assessment pattern for each module are explained in the module outline.

5. Other

This programme is the degree element of a degree apprenticeship, specified in the degree apprenticeship standard ST0482 of the Institute for Apprenticeships. The programme is designed to produce graduates who will be capable in theoretical and, especially, practical aspects of their subject and it is essential that only students of equally high calibre in both aspects of the programme are eligible for merit and distinction awards. Therefore, the regulations are as follows:

Course requirements

A number of areas in which specific regulations have been defined for this programme, and approved by the Faculty Learning, Teaching and Student Experience Committee, are documented below, and in these areas these provisions take precedence over other University regulations.

Progression within the MSc degree in Data Analytics

Two assessed components comprise the MSc degree in Data Analytics:

- Component 1: individual 10-credit and 20-credit modules.
- Component 2: 60 credits individual capstone project module.

In order to be permitted to start Component 2 a candidate must:

- Obtain a weighted average mark for Component 1 of at least 50 and have failed no more than 20 credits.

In order to be permitted to start the End Point Assessment the pre-requisite gateway requirements for EPA must have been met and they can be evidenced to the EPA organisation:

Gateway Requirements

- The opinion of the employer is that the apprentice is ready for the end-point assessment
- Completion of all the modules in the MSc Digital and Technology Solution Specialist programme – Data Analytics Specialism
- Pass Level 2 English and Maths
- Complete and pass a capstone project of 60 credits
- Confirmation that the apprentice has produced a portfolio in relation to evidencing the core skills, knowledge and behaviours towards the end of the apprenticeship.

Award of the Apprenticeship

Apprenticeship Grading Performance in the EPA will determine the apprenticeship grade of pass, merit, distinction or fail. Each end-point assessment method will be marked and graded, and each should be passed. The individual grades will then be aggregated to produce the final apprenticeship grade. To gain an apprenticeship pass or higher grade, the apprentice must achieve a minimum of a pass in each method. An apprenticeship pass represents full competence against the standard. A grade of merit or distinction means an apprentice is demonstrating competence above the standard.

Award of the MSc degree in Data Analytics

Apprentices cannot successfully complete the master's degree without passing the EPA and vice versa.

To obtain the MSc degree, candidates must satisfy the examiners in both assessed components as follows.

- A student will be recommended for the *award of MSc with Distinction* if they have achieved a pass mark in 180 credits with a weighted average mark across all 180 credits of at least 70 and have a Component 2 mark of at least 70.
- A student will be recommended for the *award of MSc with Merit* if they have achieved a pass mark in 180 credits with a weighted average mark across all 180 credits of at least 60 and have a
  Component 2 mark of at least 60.
- A student will be recommended for the *award of MSc* if they have achieved a pass mark in at least 160 credits with a weighted average mark across all 180 credits of at least 50.