

APPROVED

Programme Code	HDSDA	Programme Duration	1
Programme Level	8	EQF Level	6
		EHEA Level	First Cycle
Programme Credits	60		
Semester Duration	1 Week(s)		
Language of Instruction	English		
Field of Study	0612 - Database and network design and administration		
CAO Code; QQI Programme Code etc	Code		
Programme Extra Information	Approved on behalf of SoC to allow for publication of programme on NCI website.		

Programme Outcomes

On successful completion of this programme the learner will be able to :

Description
Develop core skills to carry out effective data analyses utilising a wide range of statistical techniques.
Generate insights using business intelligence techniques to make sense of data in order to solve and explain real world business problems.
Develop analytical and technical skills to enable learners to extract knowledge and insight from multiple datasets using relevant modelling, data storage, and computational techniques.
Assess and evaluate data governance frameworks to ensure best practice in managing data consistently throughout the organization in order to support and communicate business outcomes.
Apply database skills on modelling scalable real-world problems.
Apply machine learning techniques to analyse datasets from multiple diverse data sources.

Semester Schedules

Stage 1 / Semester 1

Core Subject	
Module Code	Title
H8DG	Data Governance
H8PDA	Programming for Data Analytics
H8STATS1	Statistics I

Stage 1 / Semester 2

Core Subject	
Module Code	Title
H8BI	Business Intelligence
H8DFA	Databases for Analytics
H8STATS2	Statistics II

Stage 1 / Semester 3

Core Subject	
Module Code	Title
H8MACL	Machine Learning
H8DAPROJ	Project