

4.3. Programme structure

The programme, CPD Diploma in Data Analysis for Professionals, is a single-stage, 45 ECTS credits programme. ECTS denotes European Credit Transfer and Accumulation System and is a measurement of the student workload associated with a module. It is used within TU Dublin to denote the learning credits associated with any module. A total of 5 ECTS credits is equivalent to a student study workload of 100 hours. These hours are a combination of contact with lecturers (through lectures, tutorials, practical sessions, laboratory sessions and group study sessions) and self-study.

The programme is part-time and is in modular form. There are four modules, two scheduled in each semester. Students enter the programme in September and study the programme over a period of one academic year. The timetable for the programme is designed to accommodate working and part-time students and, typically, lectures are delivered two evenings per week either 6.30pm – 8.30pm or 6.30pm – 9.30pm.

The CPD Diploma in Data Analysis for Professionals is awarded to candidates who successfully complete 45 ECTS credits. Below is a summary of the modules, including their learning and assessment requirements. The detailed syllabus for all modules are given in the Syllabus section. (CA indicates Continuous Assessment component.)

List of modules for TU5294 CPD Diploma in Data Analysis for Professionals

Module	Title	ECTS Credits
MATH 4001	Probability and Statistical Inference	10
MATH 4002	Data Set Management	5
MATH 40XX	Quantitative Decision Making	5
MATH 4000	Business Case Study Project	25

Description of module workload and Assessment

Module	Title	Lecture/ Tutorial/Mentor (hrs)	Self-study (hrs)	Total (hrs)	Assessment
MATH 4001	Probability and Statistical Inference	39	161	200	Case Study (40%) Online Quizzes (20%) Short Answer Test (40%) <i>Threshold of 30% on Case Study and Short Answer Tests</i>
MATH 4002	Data Set Management	39	61	100	Practical Assignment 1 (40%) Practical Assignment 2 (60%)
MATH 40XX	Quantitative Decision Making	26	74	100	Practical Assignment (50%) MCQs (30%) Coding Assignments (20%) <i>Threshold of 30% on Practical Assignment</i>
MATH 4000	Business Case Study Project	20	480	500	Presentation (20%)

					High Level Summary Report (20%) Data Visualisation (20%) Engagement (10%) Final Report (30%) <i>A pass mark must be achieved in each component.</i>
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