MSc Computer Science
(Negotiated Learning) (1 Year Full Time)

The MSc Computer Science (Negotiated Learning) is a uniquely flexible and innovative programme. It offers a negotiated learning model for students with an ICT background that allows you to customise your learning path and to tailor what you learn to your own specific needs and career aspirations. Module choices include several programming languages, cloud computing, bioinformatics, data mining, machine learning and robotics.

Once you are accepted onto the programme we will guide you through a student needs assessment to establish your prior experience, personal knowledge gaps and your career plans. You have the option to select modules with a very specific thematic focus or you may select modules from one of the pre-defined themes covered by the programme.

Course Content and Structure

| 90 credits | 60 credits | 30 credits |
| taught masters | taught modules | internship/project/dissertation |

While the programme offers some modules that are taught online, these options are limited, and it is not normally possible to complete this degree without substantial regular attendance at day-time lectures and practicals on campus in UCD.

Samples of themes include:

- Artificial Intelligence & Cognitive Science
- Computer Engineering
- Data Manipulation & Visualisation
- Prediction & Learning with Data
- Data Science Programming
- Distributed Computing
- Mathematics & Statistics
- Software Engineering
- Advanced Software Engineering
- Forensics and Security

Currently there are more than 100 module options offered in conjunction with the UCD Schools including Business, Physics, Mathematics and Statistics, Psychology, Law and NovaUCD.

Modules and topics shown are subject to change and are not guaranteed by UCD.

Graduate Profile

Ahmed Yawer, Equifax Technology

The programme was a huge step forward in my career. After the completion of the programme, I secured a full-time job as programmer at Equifax Technology. The MSc Computer Science (Negotiated Learning) course gave me the freedom to pick the modules I wanted to study, so I was able to study what I loved and what I needed.