

# MSc Computer Science

Negotiated Learning

1 Year Full Time | 2 Years Part Time

Course Code: T150



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 information visualisation.

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**  
Taught Masters

=

**60 CREDITS**  
Taught Modules

+

**30 CREDITS**  
Project/Dissertation/Internship

### Modules and Topics (Subject to change and are not guaranteed by UCD)

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.

### Sample Themes

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

### Internship Opportunities\*

Students are offered the opportunity to undertake an internship during the programme. The following internships are examples of past placements: Amazon, SAP, Dell, Ericsson, HubSpot, Geowox, FoodMarble, HealthBeacon, Autodesk, Microsoft, Equifax, Groupon, Workday, Honeywell, Intel, Shutterstock.

*\*Placements are secured through a competitive process and are not guaranteed.*

## Career Opportunities

Previous graduates are in demand and among their recent career destinations are employers like Google, SAP, Intel, PayPal, Deloitte, Microsoft, Symantec, HMM, Vilicom, Murex, NYSE Technologies, Realex Payments, Version 1, Salesforce, Pfizer, Ericsson, and Intune Networks.

Recent graduates have secured roles in areas including: Artificial intelligence, software engineering and QA, data programming and analysis, commercialisation of technology, teaching and training, security and forensics consultancy, and bioinformatics R&D.

## Course Highlights

- Currently there are approximately 80 module options offered in conjunction with other UCD Schools and Units including Business, Physics, Mathematics and Statistics, Psychology, Law and NovaUCD.

## Graduate Testimonial

**Ahmed Yawer**

Programmer at 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 a 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.



## Enquiries

EU [✉ travis.grotewold@ucd.ie](mailto:travis.grotewold@ucd.ie)

Non-EU [✉ internationalenquiries@ucd.ie](mailto:internationalenquiries@ucd.ie)

## Entry Requirements

Entry requirements are listed on the course web page.

## Applying to UCD

This course receives significant interest so please apply early online at [www.ucd.ie/apply](http://www.ucd.ie/apply)

[www.ucd.ie/courses/msc-computer-science-negotiated-learning](http://www.ucd.ie/courses/msc-computer-science-negotiated-learning)