

DN201

Sample Pathway for a degree in Computer Science

- Computer Science includes a range of topics such as algorithmic problem solving, software engineering, computer programming, matrix algebra, object-oriented programming, processor design, networks and internet systems, parallel and cluster computing.
- Most modules are worth 5 credits but some modules in later years are worth more.

Year 1 – Engage with the principles

Computer Science
7 modules

Mathematics
3 modules

Electives
2 modules

Total: 12 modules = 60 credits

Years 2 and 3 – Focus on your chosen pathway

Computer Science
14 modules

Mathematics
6 modules

Electives
4 modules

Total: 24 modules = 120 credits

Year 4 – Refine your knowledge

Computer Science
10 modules

Total: 10 modules = 60 credits

BSc (Honours) Degree Computer Science

MSc (Taught)

All postgraduate courses requiring numeracy skills including (but not limited to the following):

MSc in Computer Science (by negotiated learning)
MSc in Advanced Software Engineering
MSc in Digital Investigation
MSc in Cognitive Science
MSc in Simulation Science

PhD

Many graduates pursue PhD studies in Ireland and abroad in diverse areas such as:

- Artificial Intelligence
- Software and Systems Engineering
- Networks and Distributed Systems

Industry

High Tech sector
Financial Sector
Consultancies
R&D
UCD Tech Startups
Education (Third Level)
Postdoctoral researcher

Conversion courses

Smurfit Business School postgraduate degrees, e.g. Masters in Business Administration; Masters in Business Analytics