

Computer Science

INTRODUCTION

This course provides the student with the core skills required in the computer science industry and prepares the student for a career demanding specialist knowledge of programming and networking. The student will learn how to upgrade hardware, and how to troubleshoot and resolve technical issues. The student will also examine the backend of an Operating System, including configuration and fault management. Students participate in site visits.

ENTRY REQUIREMENTS

Leaving Certificate with at least a pass grade in mathematics or relevant computer experience. Mature students are exempt from Leaving Certificate requirement. All applicants are interviewed. An offer of a place on this course is contingent on the applicant meeting the entry requirements set out here and satisfactory presentation at interview.

CERTIFICATION

QQI Certificate in Computer Systems and Networks 5M0536

WORK PLACEMENT/EXPERIENCE

Students will undertake a block work placement of 2 weeks in the IT area.

EDUCATION PROGRESSION OPPORTUNITIES

CIT/MTU: IT Management (CR310), Software Development (CR106 and CR116), **Inholland (Haarlem, The Netherlands):** Information Technology and Mathematical Engineering **UCC:** BIS (CK203), Computer Science (CK401), Psychology and Computing (CK121) **CCOC:** QQI Level 6 Advanced Software Development 6M0691

Special arrangements in place with CIT/MTU (CCPS), Tralee IT/MTU and Waterford IT for preferential entry for CCOC students. Up to 390 CAO points for any IT can be attained. Go to our progressions database at <https://corkcollegeofcommerce.ie/progressions/> for exact requirements on progressions for this course.

CAREER OPPORTUNITIES

On successful completion of a full award, the student can apply for an entry level position as a programmer, a computer technician or provide virtual support for cloud computing. The student is also very employable as an IT support operator, especially in the area of troubleshooting software, hardware and networking problems.

COURSE CONTENT

Operating Systems	5N2928
Networking Essentials	5N2929
Computer Systems Hardware	5N0548
Virtualisation Support	5N2434
Programming & Design Principles (Java)	5N2927
Maths for Information Technology	5N18396
Communications	5N0690
Work Experience	5N1356

Students will be given the opportunity to sit the VMware Certified Associate - Digital Business Transformation (VCA-DBT) exam (optional)

Additional Training/Workshops

Data Analytics

Data Protection

STEM Aspire Mentorship Programme (for female students), run by Dell EMC

CONTACT DETAILS

For further information email:

computing@ccoc.ie
(021) 4223834

Course fees outlined on
www.corkcollegeofcommerce.ie