

Advanced Software Development

COURSE CONTENT

Graphical User Interface Programming (JavaFX)	6N0736
Software Architecture	6N1449
Project Management	6N4090
Object Oriented Programming (C++)	6N2108
Relational Database	6N4785
Leadership	6N2191
Work Experience	6N1946
Web Development (WordPress)	6N1277

Additional Training/Workshops

Data Analytics

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

INTRODUCTION

This course is designed to further a student's learning in how to produce commercially viable software by learning about modern software development methodologies and modelling tools, and applying those tools to design, code and test GUI and Object Oriented programs applying those tools to design, code and test GUI and Object Oriented programs and websites (using WordPress).. The student will learn how to create and use a relational database and how to integrate a database with their developed software. The student will also learn key skills in project management and leadership. Classroom work will be complemented with relevant work placement, one day a week. Students participate in site visits.

ENTRY REQUIREMENTS

QQI Level 5 Certificate in Software Development 5M0529 / QQI Level 5 Certificate in Computer Systems and Networks 5M0536 (or equivalent). 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 Level 6 Certificate in Software Development 6M0691

WORK PLACEMENT/EXPERIENCE

Students will undertake work experience one day per week in a computer company for the duration of the course, which they organise themselves.

EDUCATION PROGRESSION OPPORTUNITIES

CIT/MTU: (Year 2): Computing CR016 (Level 7), Software Development CR106 (Level 8), Software Development and Computer Networking CR116 (Level 8), IT Support CR888 (Level 7), IT Management CR310 (Level 8) **UCC:** Computer Science CK401 (Level 8) **Inholland (Haarlem, The Netherlands):** Information Technology and Mathematical Engineering.

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 this award, the student can apply for a position as a junior programmer, a junior computer technician (in the hardware and networking areas) or a project manager. The student is also in a strong position to apply for an apprenticeship with some of the big companies in the Computer Science area, including VMware, Dell EMC and CoreHR.

CONTACT DETAILS

For further information email:

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Course fees outlined on
www.corkcollegeofcommerce.ie