ISCG7443: ICT Technical Solutions

Course number:	ISCG7443	**Level:**	7	**Credits:**	15
Main programme:	BCS			**Delivery:**	One Semester
Endorsement:	General (elective)			**Hours directed:**	15
Other programmes:	None			**Hours self-directed:**	135
Prerequisites:	At least 180 credits.			**Total hours:**	150
Co-requisites:	n/a			**Number of weeks:**	16 weeks
Restrictions:	n/a				
Entry requirements:	Entry is subject to the programme committee's recommendation that the student is ready to undertake the ICT Technical Solutions. **For work-based learning:** Departmental consent required: entry subject to approval of the Programme Leader and a negotiated contract with an approved industrial organisation.				

Students are expected to adhere to Unitec's policy on conduct in respect of staff, fellow students, and in the use of resources and facilities. Students are required to attend 100% of all scheduled classes.

NZQA Level Descriptor:

	Knowledge	*Skills*	*Application*
7	*knowledge of a major discipline with areas of specialisation in depth* *the analysis, transformation and evaluation of abstract data and concepts* *the creation of appropriate responses to resolve given or contextual abstract problems*	*require a command of highly specialised technical or scholastic and basic research skills across a major discipline* *involve the full range of procedures in a major discipline* *are applied in complex, variable and specialised contexts*	*in planning, resourcing and managing processes within broad parameters and functions with complete accountability for determining, achieving and evaluating personal and/or group outcomes.*

Course aim:
To provide students opportunities to employ ICT specialised technical skills (for example, real-time optimisation, database optimisation for specific applications, cyber-security penetration testing) and to produce solutions arising from real world demand(s).

Course purpose:
The purpose of the course is to ensure that students have the capability to enhance their specialised skills or technical knowledge in a real-world context.

Learning Outcomes:

1. Employ and enhance specialised technical skills required for ICT technical solutions.
2. Utilise and enhance technical knowledge in order to complete ICT tasks in a specific context.
3. Develop enhanced problem solving skills.
4. Identifying skill gaps or knowledge gaps and apply effective strategies for addressing these deficiencies.

Topics:
This course is mentored and tailored for specific student needs, refer to the section "Learning and teaching approaches" below.

Assessment:
Students will be advised of all matters relating to summative assessment at the outset of the course. Overall course grades will represent a balanced assessment of achievement in relation to all stated learning outcomes.