

## Enrolment Program Structure

Program Code – CG9.SE

Program Name – Master of Technology (Software Engineering)

First Year			
Course Code	Course Name	Course Rules	CR Points
Semester 1			
ITECH 5104	Foundations of Programming	<b>EX:</b> ITECH1000, ITECH1400, ITECH5000	15
ITECH 5207	The Data-Driven Professional		15
ITECH 7611	Introduction to Cyber Security Fundamentals and Practices		15
MATHS5000	Mathematics for Data Science		15
Semester 2			
	General Elective		15
ITECH 5500	Professional Research and Communication		15
ITECH 7400	IT Service Management and Professional Culture	<b>PR:</b> ITECH5207	15
ITECH 7401	Leadership in IT Project Management	<b>PR:</b> ITECH1100 or ITECH5100 or ITECH5207	15
Second Year	Course Code	Course Name	Course Rules
Semester 1			
COOPI 9011	Co-Operative Placement (Information Technology)	<b>PR:</b> 60 CR points and be enrolled in CG9.SE or CG9.EB or CQ9 or BT9	30
ITECH7410	Software Engineering Methodologies	<b>PR:</b> ITECH5104	15
ITECH7416	Masters Project 1	<b>PR:</b> ITECH7401 <b>CO:</b> ITECH5500 <b>EX:</b> ITECH7403, ITECH7404, ITECH7602, ITECH7405, ITECH7415	15
Semester 2			
ITECH 5403	Comparative Programming Languages	<b>PR:</b> ITECH1400 or ITECH5104	15
ITECH7201	Software Engineering: Analysis and Design	<b>PR:</b> ITECH7410 <b>EX:</b> ITECH3201	15
ITECH7409	Software Testing	<b>PR:</b> ITECH7410	15
ITECH7417	Masters Project 2	<b>PR:</b> ITECH7416 <b>EX:</b> ITECH7403, ITECH7404, ITECH7602, ITECH7405, ITECH7415	15

### Additional Information

This program structure applies to continuing students.

### Glossary

**Semester:** designated teaching period.

**PR:** Pre-requisite, a course/s that must be completed prior to undertaking another course.

**CO:** Co-requisite, a course/s that must be completed simultaneously, or prior to, undertaking another course.

**EX:** Exclusion, a course/s that may not be taken.