

## PROGRAMME STRUCTURE

### STRUCTURE A PROGRAMMES

**Also known as full research programme, students enrolled into this type of programme will be required to do Research with the help and assistance/guidance of a supervisor.**

#### **What is Research?**

Research is defined as a systematic investigation into a problem/existing knowledge in order to establish new facts and knowledge that is considered useful and significant to the knowledge community. In UNITEN, the skills of executing a systematic investigation/research is emphasized whereby each student are required to attend a mandatory Research Methodology course organized by COGS. Apart from learning on ways to do effective research/investigation, the Research Methodology course exposes the students to a various techniques in establishing, verifying and defending the knowledge that the student have found throughout his/her research.

	FULL TIME	PART TIME
<b>STRUCTURE A</b>	Registered and present for 2 semesters per year*	Registered for each semester and fulfil a residential requirement of at least 1 semester during the period of study in addition to 10 working days per year*
<p><b>*Structure A candidate, including part-time mode is required to register and enroll in the Research Methodology course for a full semester during the first year of candidature.</b></p>		

## STRUCTURE B PROGRAMMES

Also known as Mix Mode Programme, students enrolled into this type of programme will be required to do Research with the help and assistance/guidance of a supervisor and also attend and pass subjects. The division between Research and Coursework is 50-50.

### WHY WOULD I WANT TO DO STRUCTURE B?

These courses are designed for those who would want to do some research and at the same time attend advanced courses to upgrade their knowledge. Typically those who attend these programmes are working professionals. Structure B consists of a combination of coursework and research to give students the theoretical knowledge as well as practical experiences. The distribution between Coursework and Dissertation is about 50%. Students can pursue the degree programme in FULL-TIME or PART-TIME. Please note that International Students MUST be a FULL-TIME student. This is due to EMGS/VISA requirements.

### STRUCTURE B CONSISTS OF:

1. Core and Elective: 7 courses x 3 credit hours = 21 credit hours
2. Individual Dissertation: 19 credit hours
3. Total Credit Hours: 40 credit hours.

TABLE 1: TYPICAL STRUCTURE B STRUCTURE

STRUCTURE B	YEAR 1		YEAR 2	
	Semester 1	Semester 2	Semester 1	Semester 2
7 taught courses (21 credit hours)	3 courses 9	3 courses 9	1 courses 3	0
Research (19 credit hours)			19	
Total (40 credit hours)	9		31	

### HOW DO I FIND SUITABLE RESEARCH TOPICS?

The process of determining what to research requires you to look into current issues for the research area concern. It's best to start reading up on research work done by others and also look into the direction of the current research area is going towards. If you are working, it is worthwhile to also discuss with the company for any useful issues that can be looked into using various new techniques and tools which would create positive contribution to the company you are working at and also to the research community. If you are unsure which topic to do, you can browse through the College related website to look at the lecturer expertise and initiate a discussion with them.

## STRUCTURE C PROGRAMMES

Also known as Course Work Programme, students enrolled into this type of programme will be required to do a small project with the help and assistance/guidance of a supervisor and also attend and pass subjects. The division between Project and Coursework is 90-10.

### WHY WOULD I WANT TO DO STRUCTURE C?

These courses are designed for those who would want attend advance courses to upgrade their knowledge. Typically those who attend these programmes are working professionals. Students can pursue the degree programme in FULL-TIME or PART-TIME. Please note that International Students MUST be a FULL-TIME student. This is due to EMGS/VISA requirements.

### IN TERMS OF PROGRAMME, THE FOLLOWING PROGRAMME ARE OFFERED IN STRUCTURE C MODE:

1. Masters in Electronics and Systems Engineering (MESE)
2. Masters in Communications and Systems Engineering (MCSE)
3. Master in Business Administration (MBA)
4. Masters in Engineering Management (MEM)