

The Legal House – International Business College School of Electrical and Computer Engineering

7 Greenfield Parade
Bankstown 2200 NSW Australia

Telecommunication Engineering

Qualification: Master of Engineering in Telecommunications

National Code:

Course Number: SECE900

Nominal Hours: 576

Credit Points: 80

Vocational Area: Business and Information Technology

Program Area: Telecommunications and Networks

Overview

This course is for people who want to work in the Telecommunication and Network Engineering of the Telecommunication industry. You will learn about the design, installation, commissioning, maintenance, fault finding and repair of Telecommunication systems and equipment. You will be trained how to analyse and define problems and provide strategies for their solution. You will be taught about new technologies in Telecommunication Engineering. You will be deepened the knowledge and skills in Telecommunication Engineering. You will be expanded your managerial and policy knowledge.

Career Opportunities

Senior Telecommunication Engineer, Senior Design Engineer, Senior Network Engineer, Senior Support Engineer, Senior Technical Engineer, Field Service Engineer, Telecommunication Design Drafter, College Lecturer, Researcher in Universities.

Entry Requirements

Possess a Bachelor degree in Telecommunications of Engineering or equivalent qualification or possess academic, professional or other qualifications that will satisfy the Academic Board of the College that they have the capacity to undertake this postgraduate coursework course.

Course Contents

Student can select eight core units or seven core units and one elective unit.

Core Units	Unit Names	Hours	Credit Points
SECE112	Applications in Telecommunications	6	10
SECE109	Satellite Communications Systems	6	10
SECE102	Adv. Optical Communication Systems	6	10
SECE111	Wireless Communication	6	10
SECE108	Error Control Coding	6	10
SECE101	Advanced Data Networks	6	10
SECE106	Digital Communications Engineering	6	10
SECE107	Digital Image Processing Systems	6	10
SECE105	Computer Communications	6	10

Elective Units	Unit Names	Hours	Credit Points
SECE110	Wavelets and Subband Coding	6	10
SECE104	Communication Protocol	6	10