CONTROL SCIENCE AND ENGINEERING (ELECTRICAL AND COMPUTER ENGINEERING) (2 YEARS)

OBJECTIVES

The objective of this program is to equip graduates, who seek a career in the Electrical and Computer Engineering (ECE), with in-depth knowledge in signal processing and control techniques for the design and development of electrical and computer control systems, both from software and hardware aspects. Students who pass all examinations and dissertation will be awarded Master Degree in Engineering from South China University of Technology.

PROGRAM SPECIALITY

① The first two-year English-medium master program in SCUT;
② Brand major for international students;
③ First-class research environment;
④ Joint training programs with multinational enterprises.

CURRICULUM

	Course Title	Course Credit	Hours
Compulsory Courses	Basic Chinese	4	64
	Chinese Culture	2	32
	Intercultural Communication	2	32
	Signal and Systems	3	48
	Instrumentation and Sensors	3	48
	Digital Signal Processing	3	48
	Embedded System Design	2	32
	Computer Control and Application	2	32
	Robotics and Automation	2	32
	Machine Vision and Intelligent Systems	2	32
Elective Courses	Practice in Embedded programming	1	16
	Practice in Machine Vision and Intelligent Systems	1	16
	Feedback Control System Design	1	16
	Practice in Digital System (Advanced Signal Processing)	1	16