Electrical Engineering (UQ), B.S. (128 Credits)
ISTM-B-FM-010
(Applicable to Students Admitted in the Academic Year 2026)

Required To earn 74 credits

1st.

Semester 1			Semester 2					
CourseNum	Course name	credit	CourseNum	Course name	credit			
ISTM020	PUBLIC SPEAKING FOR NONNATIVE SPEAKERS	3	ISTM001	ENGLISH WRITING	3			
ISTM114	ANALYTIC GEOMETRY AND CALCULUS I	4	ISTM118	ANALYTIC GEOMETRY AND CALCULUS II	4			
ISTM115	MODERN MECHANICS	4	ISTM121	ADVANCED C PROGRAMMING	3			
ISTM116	PROGRAMMING APPLICATIONS FOR ENGINEERS	3	ISTM122	FUNDAMENTALS OF ELECTROMAGNETISM	4			
ISTM117	GENERAL CHEMISTRY(1)	4	ISTM143	INNOVATION PROJECT (2)	3			
ISTM142	INNOVATION PROJECT (1)	3	ISTM163	LOGIC DESIGN	3			

2nd.

Semester 1			Semester 2					
CourseNum	Course name	credit	CourseNum	Course name	credit			
ISTM119	INTRODUCTION TO MATLAB PROGRAMMING	2	ISTM215	ORDINARY DIFFERENTIAL EQUATION	3			
ISTM210	MULTIVARIATE CALCULUS	4	ISTM216	LINEAR ALGEBRA	3			
ISTM214	DIGITAL SYSTEM DESIGN	4	ISTM250	ELECTRICAL ENGINEERING FUNDAMENTALS II	3			
ISTM249	ELECTRICAL ENGINEERING FUNDAMENTALS I	3	ISTM252	ELECTRICAL ENGINEERING FUNDAMENTALS II LAB	1			
ISTM251	ELECTRICAL ENGINEERING FUNDAMENTALS I LAB	1	ISTM253	PYTHON FOR DATA SCIENCE	3			

Electrical Engineering (UQ), B.S. (128 Credits)
ISTM-B-FM-010
(Applicable to Students Admitted in the Academic Year 2026)

ISTM409	CRITICAL THINKING	3	ISTM268	LINEAR SYSTEM ANALYSIS	3			

Elective　　To earn at least 0 credits

2nd.

Semester 1			Semester 2					
CourseNum	Course name	credit	CourseNum	Course name	credit			
ISTM166	INTRODUCTION TO PYTHON PROGRAMMING	3	ISTM257	MACHINE STRUCTURES	3			

Graduation credits：128 credits
General education foundation course credits： 0 credits
General education elective course credits： 0 credits
Major required course credits： 74 credits
Major elective course credits： 0 credits
Interdisciplinary course credits： 54 credits

Guidelines for Program Completion：

Management Unit：International School of Technology and Management/UQ-FCU 2+2 Bachelor’s Program in Electrical Engineering