

ELECTRICAL & ELECTRONIC ENGINEERING PROGRAMME SUMMARY

	FIRST YEAR	SECOND YEAR	THIRD YEAR	FINAL YEAR
CORE COURSES	<ul style="list-style-type: none"> • Computing • Mathematics I • Mathematics II • Physics • Physics Foundation for Electrical & Electronic Engineering • Intro to Materials for Electronics • Intro to Engineering & Practices 	<ul style="list-style-type: none"> • Analog Electronics • Circuit Analysis • Data Structures & Algorithms • Digital Electronics • Engineering Mathematics I • Engineering Mathematics II • Semiconductor Fundamentals • Signals and Systems • Intro to EEE Design & Project • Laboratory 2A • Laboratory 2B • Physics A • Physics Foundation for Electrical & Electronic Engineering • Mathematics A 	<ul style="list-style-type: none"> • Engineering Electromagnetics • Microprocessors • Design & Innovation Project <p>INTERNSHIP (Choose 1)</p> <ul style="list-style-type: none"> • Industrial Attachment • Industrial Orientation ▪ Enhanced Industrial Attachment ▪ International Research Attachment 	<ul style="list-style-type: none"> • Final Year Project
MAJOR PRESCRIBED ELECTIVES			<p>THIRD YEAR ELECTIVES (Choose 2)</p> <ul style="list-style-type: none"> • Modelling & Control • Electrical Devices & Machines • Power Systems & Conversion • Communication Principles • Computer Communications • Digital Signal Processing • Integrated Electronics • Semiconductor Devices & Processing • Introduction to Photonics 	<p>Students can opt to read the elective courses in one of the following option groups.</p> <ul style="list-style-type: none"> • 2 Design Electives • 3 Technical Electives <p>FINAL YEAR OPTIONS</p> <ul style="list-style-type: none"> • Electrical Engineering • Electronic Engineering • Infocommunication Engineering
GER CORE COURSES	<ul style="list-style-type: none"> • Effective Communication 	<ul style="list-style-type: none"> • Technical Communication 	<ul style="list-style-type: none"> • Environmental Sustainability 	<ul style="list-style-type: none"> • Engineers & Society • Professional Communication
GER PRESCRIBED ELECTIVES	<p>Students Admitted to Year 1 to read one course from the following categories:</p> <ol style="list-style-type: none"> a. Arts, Humanities and Social Sciences b. Business & Management c. Liberal Studies d. Science, Technology & Society e. Any of the Above Categories 		<p>Poly Direct-Entry Students admitted directly to EEE2 to read one course from the following category:</p> <ol style="list-style-type: none"> a. Business & Management 	
UNRESTRICTED ELECTIVES	<p>Students opting for IO = 15 AUs</p> <p>Students opting for IA = 11 AUs</p>		<p>Students opting for IO = 6 AUs</p> <p>Students opting for IA = 2 AUs</p>	

Courses to be read by Second Year Poly Direct-Entry Students only.