www.superior.edu.pk

B.Tech

Electrical
(Hons)

facilitating
Superior Human Beings

SUPERIOR UNIVERSITY LAHORE

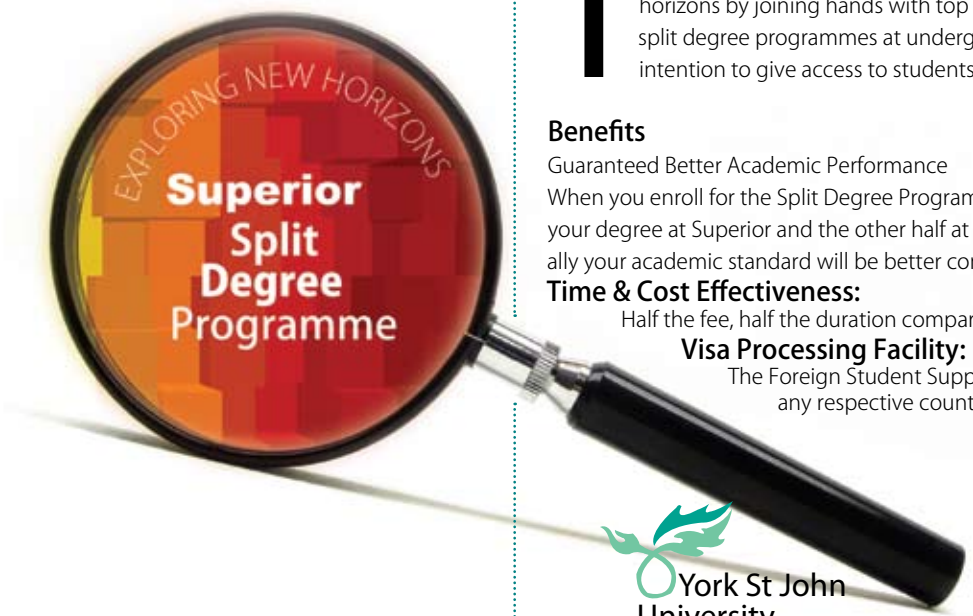
The courses and curriculum, approved by PEC, are focused on technical understanding and practice of the related subjects in the manufacturing and functional industry set ups.

B.Tech

Electrical Hons. is another advanced program of the Department of Engineering. The courses and curriculum, approved by PEC, are focused on technical understanding and practice of the related subjects in the manufacturing and functional industry set ups. The description of courses is: Electronic Devices & Circuits, Chemistry I, Physics I, Chemistry II, and Chemistry Lab II, Basic Elec. Circuits (DIC), Advanced Programming, Systems Digital Circuits Lab Electrical Machines Lab Complex Analysis & PDE Electromagnetic Waves, EM Waves, Lab Energy Conversion, Electrical Energy Systems and Power Systems Lab. Moreover, class activities and lab practices give students a life time experience which adds value to their skills and competency.

Superior Split Degree

To meet the rapidly changing academic challenges, Superior University is exploring new horizons by joining hands with top universities around the globe and proudly offers split degree programmes at undergraduate, post graduate and Ph.D levels with an intention to give access to students for progression to international education.



Benefits

Guaranteed Better Academic Performance

When you enroll for the Split Degree Programmes you will need to spend half the duration of your degree at Superior and the other half at one of our collaborative partner universities, so ideally your academic standard will be better compared to normal overseas students.

Time & Cost Effectiveness:

Half the fee, half the duration compared to the normal international degree programmes.

Visa Processing Facility:

The Foreign Student Support Desk will facilitate you in processing your visa to any respective country.

York St John University

The University Of NEWCASTLE Australia

BINARY UNIVERSITY Malaysia

Total Cr. Hrs.	**143**
Total Courses	**41**
Total Semesters	**8**
Eligibility	**Intermediate / Equivalent**

Semester 01

Applied Physics	3+1
Intro to Mechanical Technology	3+0
Applied Calculus	3+0
Workshop Technology	0+2
Computer Fundamentals	3+1
Communication Skills-I	2+0

Semester 02

Basic Electronics	3+1
Hydraulics and Hydraulic Machines	3+0
Applied Chemistry	3+0
Linear Algebra	3+0
Drafting Technology	2+0
Computer Programming	3+1

Semester 03

Differential Equations	3+0
Measurement & Instrumentation	3+1
Network Analysis-I	3+1
Digital Logic Design	3+1
Occupational Health, Saftey & Environment	2+0
Islamic & Pak Studies	4+0

Semester 04

Power Generation & Utilization	3+1
Electromechanical Systems	3+1
Signals & Systems	3+1
Network Analysis-II	3+1
Complex Analysis and Transforms	3+0
Communication Skills-II	2+0

Semester 05

Power Transmission & Distribution	3+1
Electromagnetic Theory	3+1
Communication Systems	4+1
Total Quality Management	2+0

Semester 06

Power Electronics	3+1
Data and Computer Communications	3+1
Industrial Electronics	3+1
Switchgear & Protective Devices	3+1

Semester 07

Control Technologies	3+1
Industrial & project Management	2+0
Substation Technology	3+1
Microprocessor Applications	3+1
FYP-I	0+3

Semester 08

High Voltage Technology	3+1
Renewable Energies	3+1
Power Economics & Management	3+1
FYP-II	0+4