

BAHRIA UNIVERSITY

ISLAMABAD CAMPUS

Bachelor of Electrical Engineering (Electronics)*

FINAL TRANSCRIPT

Enrollment No:
Date of Birth:

Reg #:
Name :
Father's Name :



S.No.

Fall Semester 2017

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
GSC 110	Applied Calculus & Analytical Geometry	B	3	3	9
GSC 113	Applied Physics	C	2	3	6
GSL 113	Applied Physics Lab	B+	3.5	1	3.5
ESC 111	Basic Mechanical Engineering	B+	3.5	2	7
ENG104	Functional English	D	1.5	2	3
CSC 111	Introduction to Computing	D	1.5	1	1.5
CSL 111	Introduction to Computing Lab	A	4	1	4
ISL 101	Islamic Studies	A	4	2	8
EEL 112	Workshop Practice	B+	3.5	1	3.5

Spring Semester 2018

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
GSC 210	Differential Equations	B	3	3	9
CEN 120	Digital Logic Design	C	2	3	6
CEL 120	Digital Logic Design Lab	A	4	1	4
EEL 121	Engineering Drawing & CAD	C	2	1	2
EEN 110	Linear Circuit Analysis	C+	2.5	3	7.5
EEL 110	Linear Circuit Analysis Lab	A	4	1	4
PAK 101	Pakistani Studies	A	4	2	8
CSC 112	Programming Fundamentals	F	0	2	0
CSL 112	Programming Fundamentals Lab	B	3	1	3

Summer Session 2018

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
CSC 112	Programming Fundamentals	REPEAT	C	2	2
EEN 210	Basic Electronics	D	1.5	3	4.5
EEL 210	Basic Electronics Lab	B+	3.5	1	3.5
GSC 220	Complex Variables & Transforms	C	2	3	6
EEN 211	Electrical Network Analysis	B	3	3	9
EEL 211	Electrical Network Analysis Lab	B	3	1	3
GSC 121	Linear Algebra	D	1.5	3	4.5
CSC 210	Object Oriented Programming	C+	2.5	3	7.5
CSL 210	Object Oriented Programming Lab	C+	2.5	1	2.5

Spring Semester 2019

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
HSS 120	Communication Skills	F	0	3	0
EEN 312	Electrical Machines	B	3	3	9
EEL 312	Electrical Machines Lab	A	4	1	4
EEN 225	Electronic Circuit Design	B+	3.5	3	10.5
EEL 225	Electronic Circuit Design Lab	A	4	1	4
EEN 226	Probability Methods in Engineering	C+	2.5	3	7.5
EEN 313	Signals & Systems	D	1.5	3	4.5
EEL 313	Signals & Systems Lab	B	3	1	3

Summer Session 2019

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
HSS 120	Communication Skills	REPEAT	C+	2.5	3
EET 321	Communication Systems	B+	3.5	3	10.5
EEL 321	Communication Systems Lab	A	4	1	4
CEN 221	Computer Architecture & Organization	A	4	3	12
CEL 221	Computer Architecture & Organization Lab	A	4	1	4
CEN 222	Data Communication & Networking	B	3	3	9
CEL 222	Data Communication & Networking Lab	C+	2.5	1	2.5
EEN 311	Electromagnetic Field Theory	B+	3.5	3	10.5
GSC 320	Numerical Analysis	B	3	3	9

Fall Semester 2019

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EET 321	Communication Systems	B+	3.5	3	10.5
EEL 321	Communication Systems Lab	A	4	1	4
CEN 221	Computer Architecture & Organization	A	4	3	12
CEL 221	Computer Architecture & Organization Lab	A	4	1	4
CEN 222	Data Communication & Networking	B	3	3	9
CEL 222	Data Communication & Networking Lab	C+	2.5	1	2.5
EEN 311	Electromagnetic Field Theory	B+	3.5	3	10.5
GSC 320	Numerical Analysis	B	3	3	9

Fall Semester 2020

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEN 325	Digital Signal Processing	B	3	3	9
EEL 325	Digital Signal Processing Lab	B+	3.5	1	3.5
HSS 423	Entrepreneurship	A	4	2	8
EEN 316	Instrumentation & Measurements	A	4	3	12
EEL 316	Instrumentation & Measurements Lab	A	4	1	4
EEN 412	Linear Control Systems (Electronics only)	B	3	3	9
EEL 412	Linear Control Systems Lab (Electronics only)	B+	3.5	1	3.5
CEL 322	Microprocessor/Microcontroller Based Systems Lab	B	3	1	3
CEN 322	Microprocessor/Microcontroller Based Systems	B	3	3	9

Spring Semester 2020

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEN 325	Digital Signal Processing	B	3	3	9
EEL 325	Digital Signal Processing Lab	B+	3.5	1	3.5
HSS 423	Entrepreneurship	A	4	2	8
EEN 316	Instrumentation & Measurements	A	4	3	12
EEL 316	Instrumentation & Measurements Lab	A	4	1	4
EEN 412	Linear Control Systems (Electronics only)	B	3	3	9
EEL 412	Linear Control Systems Lab (Electronics only)	B+	3.5	1	3.5
CEL 322	Microprocessor/Microcontroller Based Systems Lab	B	3	1	3
CEN 322	Microprocessor/Microcontroller Based Systems	B	3	3	9

Fall Semester 2021

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
CSP 311	Community Support Program Completed on 02 May 2021			0	
SDW 496	Internship Completed on 04 March 2021	A	4	0	0
ESC 496	Senior Design Project - I Completed on 23 June 2021	B+	3.5	3	10.5
ESC 497	Senior Design Project - II Completed on 23 June 2021	B+	3.5	3	10.5

Spring Semester 2021

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Summer Session 2021

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Fall Semester 2022

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Spring Semester 2022

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Summer Session 2022

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Fall Semester 2023

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Spring Semester 2023

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Summer Session 2023

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Fall Semester 2024

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Spring Semester 2024

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Summer Session 2024

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Fall Semester 2025

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Spring Semester 2025

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Summer Session 2025

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Fall Semester 2026

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Spring Semester 2026

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Summer Session 2026

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Fall Semester 2027

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+	2.5	1	2.5
EEN 430	Introduction to Mechatronics	B+	3.5	3	10.5
HSS 424	Engineering Ethics	B	3	2	6
HSS 411	Engineering Economics & Management	B+	3.5	3	10.5
CEL 444	Digital Image Processing Lab	B	3	1	3
CEN 444	Digital Image Processing	C	2	3	6

Spring Semester 2027

Course Code	Title	Grade	G.P.	Cr. Hrs	Prod.
EEL 430	Introduction to Mechatronics	C+</			