

LATERAL ENTRY BRIDGE COURSE

SCHEME: Revision 2021 - For Programmes other than Computer Application & Business Management, Commercial Practice and Hotel Management and Catering Technology

Sl.No	Category	Programme	Course Code	Course Name
1	PLUS TWO / VHSE	Common course	1005	Engineering Graphics
2			2009	Engineering Workshop Practice
3	ITI / KGCE	Common course	2002	Mathematics II
4			2003	Applied Physics II
PROGRAM SPECIFIC COURSES				
1	Program Specific Courses common to Plus two/VHSE and ITI/KGCE category	Artificial Intelligence	2131	Problem Solving and Programming
			2139	Problem Solving and Programming Lab
2		Artificial Intelligence and Machine Learning	2131	Problem Solving and Programming
			2139	Problem Solving and Programming Lab
3		Automation and Robotics	2331	Foundations of Robotics
			2379	Foundations of Robotics Lab
4		Automobile Engineering	2051	Basic Automobile Engineering
			2059	Automobile Service Lab 1
5		Biomedical Engineering	2041	Basic Electronics
			2049	Electronics Tinkering Workshop
6		Chemical Engineering	2071	Chemical Process Principles
			2078	CAD Lab
7		Civil Engineering	2011	Basic Surveying
			2019	Basic surveying Lab

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8	Program Specific Courses common to Plus two/VHSE and ITI/KGCE category	Civil & Environmental Engineering	2011	Basic Surveying
			2019	Basic surveying Lab
9		Civil & Rural Engineering	2011	Basic Surveying
			2019	Basic surveying Lab
10		Civil Engineering & Planning	2011	Basic Surveying
			2019	Basic surveying Lab
11		Cloud Computing and Big Data	2131	Problem Solving and Programming
			2139	Problem Solving and Programming Lab
12		Communication and Computer Networking	2131	Problem Solving and Programming
			2139	Problem Solving and Programming Lab
13		Computer Engineering	2131	Problem Solving and Programming
			2139	Problem Solving and Programming Lab
14		Computer Hardware Engineering	2131	Problem Solving and Programming
			2139	Problem Solving and Programming Lab
15		Computer Science & Engineering	2131	Problem Solving and Programming
			2139	Problem Solving and Programming Lab
16		Cyber Forensic and Information Security	2131	Problem Solving and Programming
			2139	Problem Solving and Programming Lab
17	Electrical and Electronics Engineering	2032	Elementary Concepts of Electrical Systems	
		2038	Engineering Graphics using CAD software	
18	Electrical Engineering & Electrical Vehicle Technology	2411	Introduction to Electric Vehicles & Elementary Theory	
		2038	Engineering Graphics using CAD software	
19	Electronics & Communication Engineering	2041	Basic Electronics	
		2049	Electronics Tinkering Workshop	

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20	Program Specific Courses common to Plus two/VHSE and ITI/KGCE category	Electronics Engineering	2041	Basic Electronics
			2049	Electronics Tinkering Workshop
21		Fire Technology & Safety	2461	Principles of Safety Management
			2469	Computer Applications in Fire Technology & Safety
22		Food Processing Technology	2421	Fundamentals of Food Processing Technology
			2429	Fundamentals of Food Processing Technology Lab
23		Information Technology	2131	Problem Solving and Programming
			2139	Problem Solving and Programming Lab
24		Instrumentation Engineering	2081	Electronic Instrumentation
			2089	Electronic Instrumentation Lab
25		Integrated Circuit Design & Fabrication	2041	Basic Electronics
			2049	Electronics Tinkering Workshop
26		Mechanical Engineering	2022	Manufacturing Technology
			2028	Basic CAD Lab
27		Mechatronics	2022	Manufacturing Technology
			2049	Electronics Tinkering Workshop
28		Polymer Technology	2091	Fundamentals of Polymer science
			2099	CAD Lab I
29		Printing Technology	2101	Basics of Printing Processes
			2109	Office Automation Workshop
30	Renewable Energy	2291	Basic Electrical Engineering & Renewable Technology	
		2038	Engineering Graphics using CAD software	

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31	Program Specific Courses common to Plus two/VHSE and ITI/KGCE category	Robotic Process Automation	2301	Introduction to Computation and Programming
			2339	Introduction to Computation and Programming Lab
32		Textile Technology	2061	Textile Fibres
			2069	Basic Textile Mechanics Lab
33		Tool and Die Engineering	2111	Production Engineering I
			2028	Basic CAD Lab
34		Wood and Paper Technology	2121	Botany and anatomical structures
			2129	Botany Lab

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Sl.No	Category	Programme	Course Code	Course Name
35	All categories (PLUS TWO / VHSE or ITI / KGCE)	Computer Application and Business Management	1251	Basic Accounting
			1258	Computerised Accounting Lab I
			2251	Basic Management Concepts
			2257	Introduction to C Programming Lab
36		Commercial Practice	1141	Financial Accounting I
			1144	Shorthand English Theory I
			2144	Shorthand English Theory II
			2148	Word Processing (Open office writer based) II

Sl.No	Category	Programme	Course Code	Course Name
37	All categories (PLUS TWO / VHSE or ITI / KGCE)	Hotel Management and Catering Technology	1473	House Keeping Management I
			1477	Food Production Practical I
			2474	Front Office Operations I
			2479	Food and Beverage Service Practical II

* Evaluation - For all bridge courses in Lateral entry, evaluation will be as per GO(Rt) 1008/2024/Hedn, dated 08/08/2024

Signed by Deepa K R

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Joint Director in-charge