

**B.Sc. (Computer System Administration)**

Course Code	Course Name	Theory/ Practical/ Project	Contact (HRS)	Credit Points	Assessment Type
<b>Semester 1</b>					
1	Fundamentals of Computers	Theory	60	4	CA(20) + EE(32/80)
2	Fundamentals of PC, Laptop and Mobile Hardware	Theory	60	4	CA(20) + EE(32/80)
3	Troubleshooting IT Hardware	Theory	60	4	CA(20) + EE(32/80)
4	Business Communication -1	Theory	60	4	CA(20) + EE(32/80)
5	Mini Project 1 (Internship Report)	Practical	90	6	CA(60/150)
<b>Semester 2</b>					
1	Understanding Computer Networks	Theory	60	4	CA(20) + EE(32/80)
2	Troubleshooting IT Networks	Theory	60	4	CA(20) + EE(32/80)
3	Basic Office Productivity Skills	Theory	60	4	CA(20) + EE(32/80)
4	Business Communication -2	Theory	60	4	CA(20) + EE(32/80)
5	Mini Project 2 (Internship Report)	Practical	90	6	CA(60/150)
<b>Semester 3</b>					
1	Environmental Studies	Theory	60	4	CA(20) + EE(32/80)
2	Securing Computers and Networks	Theory	60	4	CA(20) + EE(32/80)
3	Daily Life Cyber Security Skills	Theory	60	4	CA(20) + EE(32/80)
4	Basic IT Skills	Theory	60	4	CA(20) + EE(32/80)
5	Mini Project 3 (Internship Report)	Practical	90	6	CA(60/150)
<b>Semester 4</b>					
1	Introduction to Windows Desktop Operating System	Theory	60	4	CA(20) + EE(32/80)
2	Introduction to Ubuntu Desktop Operating System	Theory	60	4	CA(20) + EE(32/80)
3	Basics of Virtualization	Theory	60	4	CA(20) + EE(32/80)
4	Desktop Virtualization	Theory	60	4	CA(20) + EE(32/80)
5	Mini Project 4 (Internship Report)	Practical	90	6	CA(60/150)
<b>Semester 5</b>					
1	Windows Server Administration	Theory	60	4	CA(20) + EE(32/80)
2	Ubuntu Server Administration	Theory	60	4	CA(20) + EE(32/80)
3	Web and Database Server Administration	Theory	60	4	CA(20) + EE(32/80)
4	Soft Skills	Theory	60	4	CA(20) + EE(32/80)
5	Mini Project 5 (Internship Report)	Practical	90	6	CA(60/150)
<b>Semester 6</b>					
1	Server Virtualization	Theory	60	4	CA(20) + EE(32/80)
2	Cloud Computing Essentials	Theory	60	4	CA(20) + EE(32/80)
3	Data backup and Storage Practices	Theory	60	4	CA(20) + EE(32/80)
4	Cyber Security and Ethical Hacking	Theory	60	4	CA(20) + EE(32/80)
5	Mini Project 6 (Internship Report)	Practical	90	6	CA(60/150)