

Southern University Bangladesh

Faculty of Science & Engineering

Department of Computer Science & Engineering

Program-BSCSIT & BSCSE

Course Offer for Diploma Batch CSIT Summer'2016

1st Semester- CSIT'Diploma (29 Batch)

Course Code	Course Title	Credit Hours
EEE1203	Electrical Engineering Fundamentals	3
EEE1204	Electrical Engineering Fundamentals Lab	1.5
MATH1101	Differential & Integral calculus	3
CSIT1101	Computer Basics and Programming Concepts	3
CSIT1102	Computer Basics and Programming Concepts Lab	1.5
PHY1301	Physics II	2
CSIT1201	Discrete Mathematics	3
SEMESTER TOTAL		17

3rd Semester- CSIT'Diploma (27 Batch)

Course Code	Course Title	Credit Hours
CSIT2101	Object Oriented Programming	3
CSIT2102	Object Oriented Programming Lab	1.5
CSIT2103	Numerical Methods	3
CSIT2104	Numerical Methods Lab	0.75
CSIT2105	Data Structures	3
CSIT2106	Data Structures Lab	1.5
MATH2101	Vector Analysis, Complex Variables & Linear Algebra	3
SEMESTER TOTAL		15.75

4th Semester- CSIT'Diploma (26 Batch)

Course Code	Course Title	Credit Hours
CSIT1301	Electronic Devices and Circuits	3
CSIT1302	Electronic Devices and Circuits Lab	1.5
CSIT2201	Database Management System	3
CSIT2202	Database Management System Lab	1.5
CSIT3101	Data Communication	3
CSIT3102	Data Communication Lab	0.75
CSIT2203	System Analysis and Design	3
CSIT2204	System Analysis and Design Lab	0.75
SEMESTER TOTAL		16.5

5th Semester- CSIT'Diploma (25 Batch)

Course Code	Course Title	Credit Hours
CSIT2301	Digital Logic Design	3
CSIT2302	Digital Logic Design Lab	1.5
CSIT2303	Algorithm Design and Analysis	3
CSIT2304	Algorithm Design and Analysis Lab	1.5
CSIT3105	Computer Networks	3
CSIT3106	Computer Networks Lab	0.75
CSIT3201	Software Engineering	3
SEMESTER TOTAL		15.75

8th Semester- CSIT'Diploma (22 Batch)

Course Code	Course Title	Credit Hours
CSIT4103	Computer Graphics	3
CSIT4104	Computer Graphics Lab	0.75
MATH3201	Engineering Statistics	3
CSE4205	Robotics and Computer Vision	3
SEMESTER TOTAL		9.75

9th Semester- CSIT'Diploma (21 Batch)

Course Code	Course Title	Credit Hours
CSIT4000	Project/Thesis	5
CSIT4301	Artificial Intelligence	3
CSIT4302	Artificial Intelligence Lab	0.75
CSE4303	Optical Fibre Communication	3
CSE4304	Optical Fibre Communication Lab	0.75
SEMESTER TOTAL		12.5

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Course Code	Course Title	Credit Hours
MATH1101	Differential & Integral calculus	3
CSE1101	Computer Basics and Programming Concepts	3
CSE1102	Computer Basics and Programming Concepts Lab	1.5
CSE1201	Discrete Mathematics	3
EEE1203	Electrical Engineering Fundamentals	3
EEE1204	Electrical Engineering Fundamentals Lab	1.5
PHY1301	Physics II	2
SEMESTER TOTAL		17

3rd Semester- CSE'Diploma (27 Batch)

Course Code	Course Title	Credit Hours
MATH2101	Vectror Analysis, Complex Variables & Linear Algebra	3
CSE2101	Object Oriented Programming	3
CSE2102	Object Oriented Programming Lab	1.5
CSE2103	Numerical Methods	3
CSE2104	Numerical Methods Lab	0.75
CSE2105	Data Structures	3
CSE2106	Data Structures Lab	1.5
SEMESTER TOTAL		15.75

4th Semester- CSE'Diploma (26 Batch)

Course Code	Course Title	Credit Hours
CSE2201	Database Management System	3
CSE2202	Database Management System Lab	1.5
CSE1301	Electronic Devices and Circuits	3
CSE1302	Electronic Devices and Circuits Lab	1.5
CSE3101	Data Communication	3
CSE3102	Data Communication Lab	0.75
CSE2203	System Analysis and Design	3
CSE2204	System Analysis and Design Lab	0.75
SEMESTER TOTAL		16.5

5th Semester- CSE'Diploma (25 Batch)

Course Code	Course Title	Credit Hours
CSE2301	Digital Logic Design	3
CSE2302	Digital Logic Design Lab	1.5
CSE3201	Software Engineering	3
CSE3105	Computer Networks	3
CSE3106	Computer Networks Lab	0.75
CSE2303	Algorithm Design and Analysis	3
CSE2304	Algorithm Design and Analysis Lab	1.5
SEMESTER TOTAL		15.75

8th Semester- CSE'Diploma (22 Batch)

Course Code	Course Title	Credit Hours
MATH3201	Engineering Statistics	3
CSE4105	VLSI Technology	3
CSE4106	VLSI Technology Lab	1.5
CSE4103	Computer Graphics	3
CSE4104	Computer Graphics Lab	0.75
CSE4205	Robotics and Computer Vision	3
SEMESTER TOTAL		14.25

9th Semester- CSE'Diploma (21 Batch)

Course Code	Course Title	Credit Hours
CSE4201	Wireless and Mobile Communication	3
CSE4202	Wireless and Mobile Communication Lab	0.75
CSE4000	Project/Thesis	5
CSE4301	Artificial Intelligence	3
CSE4302	Artificial Intelligence Lab	0.75
CSE4303	Optical Fibre Communication	3
CSE4304	Optical Fibre Communication Lab	0.75
SEMESTER TOTAL		16.25

10th Semester- CSE'Diploma (20 Batch'Old)

Course Code	Course Title	Credit Hours
CSE 4111	Artificial Intelligence with Prolog	2
CSE 4112	Artificial Intelligence with Prolog: Sessional	1
CSE4201	Wireless and Mobile Communication	3
CSE4202	Wireless and Mobile Communication Lab	0.75
CSE3205	Digital Electronics & Pulse Techniques	3
CSE3206	Digital Electronics & Pulse Techniques Lab	0.75
CSE4000	Project/Thesis	5
SEMESTER TOTAL		15.5