

Southern University Bangladesh

Faculty of Science & Engineering

Department of Computer Science & Engineering

Program-BSCSIT & BSCSE

Course Offer for Diploma Holders CSIT FALL'2021 (Evening)

1st Semester- CSIT'Diploma (42 Batch)

Course Code	Course Title	Credit Hours
EN 2208	English Expository Writing	3
MATH1101	Engineering Mathematics I : Calculus and Matrices	3
CSE1101	Computer Basics and Programming Concepts	3
CSE1102	Computer Basics and Programming Concepts Lab	1.5
EEE1101	Electrical Engineering Fundamentals	3
EEE1102	Electrical Engineering Fundamentals Lab	1.5
SEMESTER TOTAL		15

2nd Semester- CSIT'Diploma (41 Batch)

Course Code	Course Title	Credit Hours
EN 1102	Spoken English Sessional	3
MA 1201	Engineering Mathematics II : Differential Equations, Laplace & Fourier Transformation	3
CS 1201	Discrete Mathematics	3
CS 1203	Structured Programming Language	3
CS 1204	Structured Programming Language Lab	1.5
CS 2205	Electronic Devices and Circuits	3
CS 2206	Electronic Devices and Circuits Lab	1.5
MA 3201	Engineering Statistics	3
SEMESTER TOTAL		21.00

3rd Semester- CSIT'Diploma (40 Batch)

Course Code	Course Title	Credit Hours
EN 1102	Spoken English Sessional	3
MA 2101	Engineering Mathematics III: Geometry, Vector and Complex Analysis	3
CS 2101	Object Oriented Programming	3
CS 2102	Object Oriented Programming Lab	1.5
CS 2103	Numerical Methods	3
CS 2104	Numerical Methods Lab	0.75
CS 2105	Data Structures	3
CS 2106	Data Structures Lab	1.5
CS 2207	Digital Logic Design	3
CS 2208	Digital Logic Design Lab	1.5
SEMESTER TOTAL		23.25

4th Semester- CSIT'Diploma (39Batch)

Course Code	Course Title	Credit Hours
CS 2201	Database Management System	3
CS 2202	Database Management System Lab	1.5
CS 2203	System Analysis and Design	3
CS 2204	System Analysis and Design Lab	0.75
CS 3101	Data Communication	3
CS 3102	Data Communication Lab	0.75
CS 3201	Software Engineering	3
SEMESTER TOTAL		15

5th Semester- CSIT'Diploma (38 Batch)

Course Code	Course Title	Credit Hours
CS 3103	Web Programming	3
CS 3104	Web Programming Lab	1.5
CS 3105	Computer Networks	3
CS 3106	Computer Networks Lab	0.75
CS 2303	Algorithm Design and Analysis	3
CS 2304	Algorithm Design and Analysis Lab	1.5
CS 3203	Operating Systems	3
CS 3204	Operating Systems Lab	1.5
CS 4301	Artificial Intelligence	3
CS 4302	Artificial Intelligence Lab	0.75
Semester Total		21

6th Semester- CSIT'Diploma (37 Batch)

Course Code	Course Title	Credit Hours
CS 3301	Microprocessor & Assembly Language	3
CS 3302	Microprocessor & Assembly Language Lab	1.5
CS 3303	Computer Architecture	3
CS 4101	Compiler Design	3
CS 4102	Compiler Design Lab	1.5
CS 3305	Theory of Computing	3
CS 4205	Robotics and Computer Vision	3
SEMESTER TOTAL		18

7th Semester- CSIT'Diploma (36 Batch)

Course Code	Course Title	Credit Hours
CS 4103	Computer Graphics	3
CS 4104	Computer Graphics Lab	0.75
CS 4303	Optical Fibre Communication	3
CS 4304	Optical Fibre Communication Lab	0.75
CS 4000	Project/Thesis	5
SEMESTER TOTAL		12.5

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Course Code	Course Title	Credit Hours
EN 2208	English Expository Writing	3
MATH1101	Engineering Mathematics I : Calculus and Matrices	3
CSE1101	Computer Basics and Programming Concepts	3
CSE1102	Computer Basics and Programming Concepts Lab	1.5
EEE1101	Electrical Engineering Fundamentals	3
EEE1102	Electrical Engineering Fundamentals Lab	1.5
ME2101	Mechanical Engineering Fundamentals	3
ME2102	Mechanical Engineering Fundamentals Lab	0.75
SEMESTER TOTAL		18.75

2nd Semester- CSE'Diploma (41 Batch)

Course Code	Course Title	Credit Hours
EN 1102	Spoken English Sessional	3

ME 1200	Mechanical Engineering Drawing	0.75
MA 1201	Engineering Mathematics II : Differential Equations, Laplace & Fourier Transformation	3
CS 1201	Discrete Mathematics	3
CS 1203	Structured Programming Language	3
CS 1204	Structured Programming Language Lab	1.5
CS 2205	Electronic Devices and Circuits	3
CS 2206	Electronic Devices and Circuits Lab	1.5
MA 3201	Engineering Statistics	3
SEMESTER TOTAL		21.75

3rd Semester- CSE'Diploma (40 Batch)

Course Code	Course Title	Credit Hours
EN 1102	Spoken English Sessional	3
MA 2101	Engineering Mathematics III: Geometry, Vector and Complex Analysis	3
CS 2101	Object Oriented Programming	3
CS 2102	Object Oriented Programming Lab	1.5
CS 2103	Numerical Methods	3
CS 2104	Numerical Methods Lab	0.75
CS 2105	Data Structures	3
CS 2106	Data Structures Lab	1.5
CS 2207	Digital Logic Design	3
CS 2208	Digital Logic Design Lab	1.5
SEMESTER TOTAL		23.25

4th Semester- CSE'Diploma (39 Batch)

Course Code	Course Title	Credit Hours
CS 2201	Database Management System	3
CS 2202	Database Management System Lab	1.5
CS 2203	System Analysis and Design	3
CS 2204	System Analysis and Design Lab	0.75

CS 3101	Data Communication	3
CS 3102	Data Communication Lab	0.75
CS 3209	Digital Electronics & Pulse Techniques	3
CS 3210	Digital Electronics & Pulse Techniques Lab	0.75
CS 3201	Software Engineering	3
SEMESTER TOTAL		18.75

5th Semester- CSE'Diploma (38Batch)

Course Code	Course Title	Credit Hours
CS 3103	Web Programming	3
CS 3104	Web Programming Lab	1.5
CS 3105	Computer Networks	3
CS 3106	Computer Networks Lab	0.75
CS 2303	Algorithm Design and Analysis	3
CS 2304	Algorithm Design and Analysis Lab	1.5
CS 3203	Operating Systems	3
CS 3204	Operating Systems Lab	1.5
CS 4301	Artificial Intelligence	3
CS 4302	Artificial Intelligence Lab	0.75
SEMESTER TOTAL		21

6th Semester- CSE'Diploma (37 Batch)

Course Code	Course Title	Credit Hours
CS 3301	Microprocessor & Assembly Language	3
CS 3302	Microprocessor & Assembly Language Lab	1.5
CS 3303	Computer Architecture	3

CS 3307	Digital System Design	3
CS 3308	Digital System Design Lab	0.75
CS 4101	Compiler Design	3
CS 4102	Compiler Design Lab	1.5
CS 3305	Theory of Computing	3
CS 4205	Robotics and Computer Vision	3
SEMESTER TOTAL		21.75

7th Semester- CSE'Diploma (36 Batch)

Course Code	Course Title	Credit Hours
CS 4103	Computer Graphics	3
CS 4104	Computer Graphics Lab	0.75
CS 4105	VLSI Technology	3
CS 4106	VLSI Technology Lab	1.5
CS 4201	Wireless and Mobile Communication	3
CS 4202	Wireless and Mobile Communication Lab	0.75
CS 4303	Optical Fibre Communication	3
CS 4304	Optical Fibre Communication Lab	0.75
CS 4000	Project/Thesis	5
SEMESTER TOTAL		20.75

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