

Southern University Bangladesh

Faculty of Science & Engineering

Department of Computer Science & Engineering

Program-BSCSIT & BSCSE

Course Offer for Regular Batch CSIT-FALL' 2021 (Morning)

1st Semester- CSIT'Regular (57 Batch)

Course Code	Course Title	Credit Hours
EN 2208	English Expository Writing	3
PH 1101	Engineering Physics	3
PH 1102	Engineering Physics Lab	1.5
MA 1101	Engineering Mathematics I : Calculus and Matrices	3
CS 1101	Computer Basics and Programming Concepts	3
CS 1102	Computer Basics and Programming Concepts Lab	1.5
EE 1101	Electrical Engineering Fundamentals	3
EE 1102	Electrical Engineering Fundamentals Lab	1.5
SEMESTER TOTAL		19.5

2nd Semester- CSIT'Regular (56 Batch)

Course Code	Course Title	Credit Hours
EN 1102	Spoken English Sessional	3
CH 1201	Chemistry	3
CH 1202	Chemistry Lab	1.5
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
SEMESTER TOTAL		18

3rd Semester- CSIT'Regular (55 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
SEMESTER TOTAL		18.75

4th Semester- CSIT'Regular (54Batch)

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 2205	Electronic Devices and Circuits	3
CS 2206	Electronic Devices and Circuits Lab	1.5
CS 2207	Digital Logic Design	3
CS 2208	Digital Logic Design Lab	1.5
CS 2209	Algorithm Design and Analysis	3
CS 2210	Algorithm Design and Analysis Lab	1.5
SEMESTER TOTAL		21.75

5th Semester- CSIT'Regular (53 Batch)

Course Code	Course Title	Credit Hours
MA 3201	Engineering Statistics	3
HU 3102	Industrial Management & Laws	3
CS 3101	Data Communication	3
CS 3102	Data Communication Lab	0.75
CS 3103	Web Programming	3
CS 3104	Web Programming Lab	1.5
CS 3105	Operating System	3
CS 3106	Operating System Lab	1.5
HU 2101	Bangladesh Studies	3
SEMESTER TOTAL		21.75

6th Semester- CSIT'Regular (52 Batch)

Course Code	Course Title	Credit Hours
CS 3201	Software Engineering	3
MA 3201	Engineering Statistics	3
CS 3203	Operating System	3
CS 3204	Operating System Lab	1.5
CS 3301	Microprocessor & Assembly Language	3
CS 3302	Microprocessor & Assembly Language Lab	1.5
HU 1301	Bangladesh Studies	3
SEMESTER TOTAL		18

7th Semester- CSIT'Regular (51Batch)

Course Code	Course Title	Credit Hours
CS 3305	Theory of Computing	3
CS 4101	Compiler Design	3
CS 4102	Compiler Design Lab	1.5
CS 4205	Robotics and Computer Vision	3
HU 4101	Career Planning & Development	2
CS 3101	Data Communication	3
CS 3102	Data Communication Lab	0.75
SEMESTER TOTAL		16.25

8th Semester- CSIT'Regular (50Batch)

Course Code	Course Title	Credit Hours
CS 4103	Computer Graphics	3
CS 4104	Computer Graphics Lab	0.75
CS 4301	Artificial Intelligence	3
CS 4302	Artificial Intelligence Lab	0.75
CS 4303	Optical Fibre Communication	3
CS 4304	Optical Fibre Communication Lab	0.75
CS 4201	Parallel and Distributed Processing	3
CS 4000	Project/Thesis	5
SEMESTER TOTAL		19.25

9th Semester- CSIT'Regular (49 Batch)

Course Code	Course Title	Credit Hours
CS 4000	Project/Thesis	5

SEMESTER TOTAL	5
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1st Semester- CSE'Regular (57 Batch)

Course Code	Course Title	Credit Hours
EN 2208	English Expository Writing	3
PH 1101	Engineering Physics	3
PH 1102	Engineering Physics Lab	1.5
MA 1101	Engineering Mathematics I : Calculus and Matrices	3
CS 1101	Computer Basics and Programming Concepts	3
CS 1102	Computer Basics and Programming Concepts Lab	1.5
EE 1101	Electrical Engineering Fundamentals	3
EE 1102	Electrical Engineering Fundamentals Lab	1.5
SEMESTER TOTAL		19.5

2nd Semester- CSE'Regular (56 Batch)

Course Code	Course Title	Credit Hours
EN 1102	Spoken English Sessional	3
ME1200	Mechanical Engineering Drawing	0.75
CH 1201	Chemistry	3
CH 1202	Chemistry Lab	1.5
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

SEMESTER TOTAL	18.75
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3rd Semester- CSE'Regular (55 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
ME 2101	Mechanical Engineering Fundamentals	3
ME 2102	Mechanical Engineering Fundamentals Lab	0.75
SEMESTER TOTAL		22.5

4th Semester- CSE'Regular (54 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 2205	Electronic Devices and Circuits	3
CS 2206	Electronic Devices and Circuits Lab	1.5
CS 2207	Digital Logic Design	3
CS 2208	Digital Logic Design Lab	1.5
CS 2209	Algorithm Design and Analysis	3

CS 2210	Algorithm Design and Analysis Lab	1.5
SEMESTER TOTAL		21.75

5th Semester- CSE'Regular (53Batch)

Course Code	Course Title	Credit Hours
MA 3201	Engineering Statistics	3
HU 3102	Industrial Management & Laws	3
CS 3101	Data Communication	3
CS 3102	Data Communication Lab	0.75
CS 3103	Web Programming	3
CS 3104	Web Programming Lab	1.5
CS 3105	Operating System	3
CS 3106	Operating System Lab	1.5
HU 2101	Bangladesh Studies	3
SEMESTER TOTAL		21.75

6th Semester- CSE'Regular (52Batch)

Course Code	Course Title	Credit Hours
CS 3201	Software Engineering	3
MA 3201	Engineering Statistics	3
CS 3203	Operating System	3
CS 3204	Operating System Lab	1.5
CS 3205	Digital Electronics & Pulse Techniques	3
CS 3206	Digital Electronics & Pulse Techniques Lab	0.75
CS 3301	Microprocessor & Assembly Language	3
CS 3302	Microprocessor & Assembly Language Lab	1.5
HU 1301	Bangladesh Studies	3
SEMESTER TOTAL		21.75

7th Semester- CSE'Regular (51 Batch)

Course Code	Course Title	Credit Hours
CS 3305	Theory of Computing	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 4105	VLSI Technology	3
CS 4106	VLSI Technology Lab	1.5
CS 4205	Robotics and Computer Vision	3
HU 4101	Career Planning & Development	2
CS 3101	Data Communication	3
CS 3102	Data Communication Lab	0.75
SEMESTER TOTAL		24.5

8th Semester- CSE'Regular (50 Batch)

Course Code	Course Title	Credit Hours
CS 4103	Computer Graphics	3
CS 4104	Computer Graphics Lab	0.75
CS 4201	Wireless and Mobile Communication	3
CS 4202	Wireless and Mobile Communication Lab	0.75
CS 4301	Artificial Intelligence	3
CS 4302	Artificial Intelligence Lab	0.75
CS 3205	Digital Electronics & Pulse Techniques	3
CS 3206	Digital Electronics & Pulse Techniques Lab	0.75
CS 4303	Optical Fibre Communication	3
CS 4304	Optical Fibre Communication Lab	0.75
CS 4000	Project/Thesis	5

SEMESTER TOTAL	23.75
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9th Semester- CSE'Regular (49 Batch)

Course Code	Course Title	Credit Hours
CS 4000	Project/Thesis	5
SEMESTER TOTAL		5

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