

MAWLANA BHASHANI SCIENCE AND TECHNOLOGY UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



HOME ABOUT ▾ ACADEMIC ▾ PEOPLE ▾ RESEARCH ▾ ARTICLE ANNOUNCEMENT ▾ ALUMNI CONTACT

SC. ADMISSION * **P.HD. ADMISSION ***

Undergraduate Curriculum

Home > Curriculum > **Undergraduate**

↑ First Year First Semester

Course Code	Course Title	Course Type	Course Credit
CSE1101	Computer Basics & Programming Fundamentals	Theory	3.00
CSE1102	Computer Basics & Programming Fundamentals Lab	Lab	1.50
CSE1103	Electrical Circuit Analysis	Theory	2.00
CSE1104	Electrical Circuit Analysis Lab	Lab	0.75
CSE1105	Discrete and Concrete Mathematics	Theory	3.00
CSE1107	Differential Calculus and Coordinates Geometry	Theory	3.00
CSE1109	Chemistry	Theory	2.00
CSE1111	English	Theory	3.00
CSE1113	Bhashani Studies	Non-credit	0.00

Course Code	Course Title	Course Type	Course Credit
CSE1120	Viva-Voce	None	0.50

↑ First Year Second Semester

Course Code	Course Title	Course Type	Course Credit
CSE1201	Electronic Devices and Circuits	Theory	3.00
CSE1202	Electronic Devices and Circuits Lab	Lab	0.75
CSE1203	Structured Programming	Theory	3.00
CSE1204	Structured Programming Lab	Lab	1.50
CSE1205	Pulse and Digital Electronics	Theory	3.00
CSE1206	Pulse and Digital Electronics Lab	Lab	0.75
CSE1207	Physics	Theory	3.00
CSE1209	Statistics	Theory	2.00
CSE1211	Integral Calculus, ODE, PDE, Series Solution	Theory	3.00
CSE1213	Engineering Drawing	None	0.75
CSE1220	Viva-Voce	None	0.50

↑ Second Year First Semester

Course Code	Course Title	Course Type	Course Credit
CSE2101	Object Oriented Programming	Theory	3.00

Course Code	Course Title	Course Type	Course Credit
CSE2102	Object Oriented Programming Lab	Lab	1.50
CSE2103	Data Structures and Algorithms	Theory	3.00
CSE2104	Data Structures and Algorithms Lab	Lab	1.50
CSE2105	Computer Organization & Architecture	Theory	3.00
CSE2107	Economics & Sociology	Theory	2.00
CSE2109	Matrix and Linear Algebra	Theory	3.00
CSE2111	Financial and Managerial Accounting	Theory	2.00
CSE2112	Software Development Project-I & Industrial Tour	Lab	0.75
CSE2120	Viva-Voce	None	0.50

↑ Second Year Second Semester

Course Code	Course Title	Course Type	Course Credit
CSE2201	Algorithm Design & Analysis	Theory	3.00
CSE2202	Algorithm Design & Analysis Lab	Lab	1.50
CSE2203	Database Management Systems	Theory	3.00
CSE2204	Database Management Systems Lab	Lab	1.50
CSE2205	Object Oriented Analysis and Design	Theory	2.00
CSE2206	Object Oriented Analysis and Design Lab	Lab	0.75
CSE2207	Digital System Design	Theory	2.00

Course Code	Course Title	Course Type	Course Credit
CSE2208	Digital System Design Lab	Lab	0.75
CSE2210	Java and Mobile Application Development Lab	Lab	1.50
CSE2211	Fourier Analysis, Laplace Transforms and Complex Variable	Theory	3.00
CSE2220	Viva-Voce	None	0.50

↑ Third Year First Semester

Course Code	Course Title	Course Type	Course Credit
CSE3101	Operating Systems	Theory	3.00
CSE3102	Operating Systems Lab	Lab	1.50
CSE3103	Microprocessor & Micro-controller	Theory	3.00
CSE3104	Micro-controller & Assembly Language Lab	Lab	0.75
CSE3105	Computer Based Numerical Methods	Theory	2.00
CSE3106	Computer Based Numerical Methods Labs	Lab	0.75
CSE3107	Software Engineering	Theory	3.00
CSE3109	Data Communication	Theory	2.00
CSE3110	Data Communication Lab	Lab	0.75
CSE3111	Theory of Computation	Theory	2.00
CSE3114	Visual Programming Lab-II	Lab	0.75
CSE3116	Software Development Project-II & Industrial Tour	Lab	0.75

Course Code	Course Title	Course Type	Course Credit
CSE3120	Viva-Voce	None	0.50

↑ Third Year Second Semester

Course Code	Course Title	Course Type	Course Credit
CSE3201	Compiler Design	Theory	3.00
CSE3202	Compiler Design Lab	Lab	0.75
CSE3203	Computer Network	Theory	3.00
CSE3204	Computer Network Lab	Lab	1.50
CSE3205	Computer Peripheral & Interfacing	Theory	2.00
CSE3206	Computer Peripheral & Interfacing Lab	Lab	0.75
CSE3208	Relational Database Management System Lab	Lab	0.75
CSE3209	Multimedia & Web Engineering	Theory	2.00
CSE3210	Multimedia & Web Engineering Lab	Lab	1.50
CSE3211	Communication Engineering	Theory	2.00
CSE3213	Robotics	Theory	2.00
CSE3215	Engineering Statistics	Theory	2.00
CSE3220	Viva-Voce	None	0.50

↑ Fourth Year First Semester

Course Code	Course Title	Course Type	Course Credit
CSE4101	Artificial Intelligence & Machine Learning	Theory	3.00
CSE4102	Artificial Intelligence & Machine Learning Lab	Lab	1.50
CSE4103	VLSI Design	Theory	2.00
CSE4104	VLSI Design Lab	Lab	0.75
CSE4105	Digital Image Processing	Theory	2.00
CSE4106	Digital Image Processing Lab	Lab	0.75
CSE4107	Computer Graphics & Animation Technique	Theory	3.00
CSE4108	Computer Graphics & Animation Technique Lab	Lab	0.75
CSE4109	Cloud and Mobile Computing	Theory	2.00
CSE4111	Digital Signal Processing	Theory	3.00
CSE4112	Digital Signal Processing Lab	Lab	0.75
CSE5000	Research Project	Lab	Continue

↑ Fourth Year Second Semester

Course Code	Course Title	Course Type	Course Credit
CSE4201	Network Security and Cryptography	Theory	2.00
CSE4203	Neural Networks & Pattern Recognition	Theory	3.00
CSE4204	Neural Networks & Pattern Recognition Lab	Lab	0.75
CSE4205	Data Mining and Big Data	Theory	3.00