



**UTTARA UNIVERSITY**  
Department of Computer Science & Engineering  
Course Offering for Spring 2016 Semester  
B.Sc. (Engg.) in Computer Science & Engineering

**(Diploma/ Evening Batch)**

**Batch- 38<sup>th</sup> (Evening)**

MATH -110: Differential & Integral Calculus (3.0 Credits); CT- AMU  
CSEC -111: Computer System & Application (3.0 Credits)  
CSEC -112: Computer System & Application Sessional (1.5 Credits)  
CSEC -121: Programming Language & Application-I (3.0 Credits)  
CSEC -122: Programming Language & Application-I Sessional (1.5 Credits)  
STAT -121: Statistics & Probability (3.0 Credits)

**Batch- 37<sup>th</sup> (Evening)**

MATH -123: Discrete Mathematics (3.0 Credits)  
CSEC -211: Programming Language & Application-II (3.0 Credits)  
CSEC -212: Programming Language & Application-II Sessional (1.5 Credits)  
CSEC -213: Basic Electronics (3.0 Credits)  
CSEC -214: Electrical & Electronics Technology Sessional (1.5 Credits)  
MNGT-228: Management & Organizational Behavior (3.0 Credits)

**Batch- 36<sup>th</sup> (Evening)**

MATH-129: Complex Variable & Laplace Transform (3.0 Credits)  
CSEC -215: Data Structure (3.0 Credits)  
CSEC -216: Data Structure Sessional (1.5 Credits)  
CSEC -217: Digital Logic Design (3.0 Credits)  
CSEC -218: Digital Logic Design Sessional (1.5 Credits)  
CSEC -229: Computer Architecture (3.0 Credits)

**Batch- 35<sup>th</sup> (Evening)**

MATH-221: Linear Algebra & Fourier Transform (3.0 Credits)  
CSEC -311: Design & Analysis of Algorithm (3.0 Credits)  
CSEC -312: Design & Analysis of Algorithm Sessional (1.5 Credits)  
CSEC -321: Database Management System (3.0 Credits)  
CSEC -322: Database Management System Sessional (1.5 Credits)  
CSEC -323: Data Communication (3.0 Credits)

**Batch- 34<sup>th</sup> (Evening)**

CSEC -316: System Analysis & Design (3.0 Credits)  
CSEC -317: System Analysis & Design Sessional (1.5 Credits)  
CSEC -318: Computer Peripheral Interfacing & Maintenance (3.0 Credits)  
CSEC -319: Computer Peripheral Interfacing & Maintenance Sessional (1.5 Credits)  
CSEC -324: Measurement & Instrumentation (3.0 Credits)  
MATH-462: Numerical Analysis & Coordinate Geometry (3.0 Credits)

**Batch- 33<sup>rd</sup> (Evening)**

CSEC -412: Management Information System (3.0 Credits)  
CSEC -428: Computer Graphics (3.0 Credits)  
CSEC -429: Computer Graphics Sessional (1.5 Credits)  
CSEC -430: Software Engineering (3.0 Credits)  
CSEC -431: Software Engineering Sessional (1.5 Credits)  
CSEC -323: Data Communication (3.0 Credits)

**Batch 32<sup>nd</sup> (Evening)**

MATH-462: Numerical Analysis & Coordinate Geometry (3.0 Credits) [Merge with 34 Dip]  
CSEC -318: Computer Peripheral Interfacing & Maintenance (3.0 Credits) [Merge with 34 Dip]  
CSEC -319: Computer Peripheral Interfacing & Maintenance Sessional (1.5 Credits) [Merge with 34 Dip]  
CSEC 423: VLSI Design & Sessional (4.5 Credits)  
CSEC 424: Artificial Intelligence and Expert Systems & sessional (4.5 Credits)

**Batch 31<sup>st</sup> (Evening)**

MATH-462: Numerical Analysis & Coordinate Geometry (3.0 Credits) [Merge with 34 Dip]  
CSEC 423: VLSI Design & Sessional (4.5 Credits) [Merge with 32 Dip]  
CSEC 424: Artificial Intelligence and Expert Systems & sessional (4.5 Credits) [Merge with 32 Dip]  
CSEC 399: Project I (3.0 Credits)

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