

Course Offer for Fall-2021

| Term, Level | SECTION | CREDIT | CODE | COURSE NAME |
|--------------------|----------------------------------|--------|---------|--|
| T-1, L-1 (36th) | A (40) B(30) | 3 | SE111 | Computer Fundamentals (A,B) |
| | | 2 | SE112 | Computer Fundamentals Lab (A,B) |
| | | 3 | SE113 | Introduction to Software Engineering (A,B) |
| | | 3 | ENG101 | English I (A,B) |
| | | 3 | AOL101 | Art of Living (A,B) |
| T-2, L-1 (35th) | A (40) | 3 | SE121 | Structured Programming (A) |
| | | 2 | SE122 | Structured Programming Lab (A) |
| | | 3 | SE123 | Discrete Mathematics (A) |
| | | 3 | MAT101 | Mathematics I (A) |
| | | 3 | PHY101 | Physics I (A) |
| T-3, L-1 (34th) | A (35) B (15) | 3 | SE131 | Data Structure (A,B) |
| | | 2 | SE132 | Data Structure Lab (A) |
| | | 1 | SE132 | Data Structure Lab (B) |
| | | 3 | SE133 | Software Development Capstone Project (A,B) |
| | | 3 | MAT102 | Mathematics-II (A, B) |
| | | 3 | STA101 | Statistics (A, B) |
| T-1, L-2 (33th) | A,B(50) with PC and Retake | 3 | SE211 | Object Oriented Concepts (A,B) |
| | | 3 | SE212 | Software Requirement Specifications & Analysis (A,B) |
| | | 3 | SE213 | Digital Electronics & Logic Design (A,B) |
| | | 3 | SE214 | Algorithms Design & Analysis (A,B) |
| | | 2 | SE215 | Algorithms Design & Analysis Lab (A) |
| | | 1 | SE215 | Algorithms Design & Analysis Lab (B) |
| | | 3 | CS211 | Cybersecurity Fundamentals |
| T-2, L-2 (32th) | A,B(75) with PC | 3 | SE 221 | Object Oriented Design (A,B) |
| | | 3 | SE 222 | Computer Architecture (A,B) |
| | | 3 | SE 223 | Database Systems (A,B) |
| | | 2 | SE 224 | Database Systems Lab (A,B) |
| | | 3 | SE 532 | Introduction to Robotics (A,B) |
| T-3, L-2 (31th) | A,B,C (120) PC (D,E - 80) | 3 | SE 231 | System Analysis & Design Project (A,B,C,D,E,F,G) |
| | | 3 | SE 232 | Operating System & System Programming (A,B,C,D,E) |
| | | 2 | SE 233 | Operating System & System Programming Lab (A,B,C,D,E) |
| | | 3 | SE 234 | Theory of Computing (A,B,C,D,E) |
| | | 3 | GE 235 | Principles of Accounting, Business & Economics (A,B,C,D,E) |
| T-1, L-3 (30th) | A,B (80) with PC | 3 | SE 225 | Data Communication & Computer Networking (A,B) |
| | | 2 | SE 226 | Data Communication & Computer Networking Lab(A,B) |
| | | 3 | SE 311 | Design Pattern (A,B) |
| | | 3 | SE 312 | Software Quality Assurance & Testing (A,B) |
| | | 2 | SE 313 | Software Quality Assurance & Testing Lab (A,B) |
| | | 3 | BNS 101 | Bangladesh Studies (A,B) |
| | | 3 | CS 312 | System Security |
| T-2, L-3 (29th) | A,B (90), with PC | 3 | SE 321 | Software Engineering Web Application (A,B) |
| | | 2 | SE 322 | Software Engineering Web Application Lab (A,B) |
| | | 3 | SE 323 | Software Architecture & Design (A,B) |
| | | 3 | CS323 | Cryptography and Secure Application (A) |
| | | 3 | SE 442 | Management Information System (A,B) |
| | | 3 | SE 441 | Software Engineering Professional Ethics (A,B) |
| | | 3 | SE 331 | Software Engineering Design Capstone Project (A,B,C,D,E,F) |

| | | | | |
|--------------------|-------------------------|---|---------|---|
| T-3, L-3 (28th) | A,B,C (130) PC(D-40) | 3 | SE 332 | Information System Security (A,B,C) |
| | | 3 | SE 333 | Artificial Intelligence (A,B,C) |
| | | 2 | SE 334 | Artificial Intelligence Lab (A,B,C) |
| | | 3 | SE 342 | Compiler Design (A,B,C) |
| | | 3 | CS431 | Cyber Law & Ethics of Cyber Security(28 Batch) (if possible marge with batch 26) |
| | | 1 | CS334 | Ethical Hacking and Countermeasures |
| | | 2 | CS335 | Ethical Hacking and Countermeasures Lab |
| | | 2 | CS336 | Security Analysis and Penetration Testing |
| | | 2 | CS337 | Security Analysis and Penetration Testing Lab |
| T-1, L-4 (27th) | A(45) with PC | 3 | SE 411 | Software Project Management & Documentation (non-major) (A) |
| | | 3 | SE 324 | Business Analysis & Communication (non-major) (A) |
| | | 3 | SE 544 | Introduction to Machine Learning (non-major) (A) |
| | | 3 | SE 341 | Numerical Analysis (non-major) (A) |
| | | 3 | CS418 | Network and Communication Security (security major) |
| | | 3 | CS419 | Information Security Risk Management(security major) |
| T-2, L-4 (26h) | A, B (65) PC(B-22) | 3 | SE 447 | Human Computer Interaction (A,B) (Non -Major Only) |
| | | 3 | SE 444 | Data Warehouse & Data Mining (A,B) (Non-Major Only) |
| | | 3 | BNS 101 | Bangladesh Studies (A) |
| | | 2 | DS 421 | Machine Learning Driven Data Analysis I(DS Major) |
| | | 1 | DS 422 | Machine Learning Driven Data Analysis Lab I (DS Major) |
| | | 2 | DS 423 | Machine Learning Driven Data Analysis II and Communicating Data Insights (DS Major) |
| | | 1 | DS 424 | Machine Learning Driven Data Analysis II and Communicating Data Insights Lab (DS Major) |
| | | 3 | CS421 | Information System Audit and Assurance |
| | | 3 | CS422 | Digital Forensic |
| 3 | CS431 | Cyber Law & Ethics of Cyber Security (26 Batch) | | |