|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Batch** | **Semester** | **Course Code** | **Course Title** | **Credit** | **Prerequisite** |
| 49th | 1 | CEE-2110 | Engineering Drawing | 1.5 | - |
|  |  | CHE-2311 | Chemistry | 2 | - |
|  |  | CHE-2312 | Chemistry Laboratory | 1 | - |
|  |  | CSE-1111 | Introduction to Computers | 2 | - |
|  |  | CSE-1112 | Introduction to Computers Sessional | 1 | - |
|  |  | ENG-1111 | English Reading and Speaking | 3 | - |
|  |  | MAT-1111 | Differential and Integral Calculus  | 3 | - |
|  |  |  | **Total Credit** | **13.5** |  |
| 48th | 2 | ART-1111 | Bangladesh Studies  | 3 | - |
|  |  | CSE-1213 | Computer Programming  | 3 | - |
|  |  | CSE-1214 | Computer Programming Sessional  | 1 | - |
|  |  | CSE-1215 | Discrete Mathematics  | 3 | - |
|  |  | ENG-1311 | English Writing and Listening  | 3 | ENG-1111 |
|  |  | MAT-1213 | Linear Algebra & Complex Analysis  | 3 | - |
|  |  |  | **Total Credit** | **16** |  |
| 47th | 3(A-F) | ART-1311 | Introduction to Sociology | 3 | - |
|  |  | CSE-1315 | Data Structures  | 3 | CSE-1213 |
|  |  | CSE-1316 | Data Structures: Sessional | 1 | CSE-1214 |
|  |  | MAT-1315 | Differential Equations and Fourier Analysis | 3 | MAT-1111 |
|  |  | PHY-2211 | General Physics | 3 | - |
|  |  | PHY-2212 | General Physics Laboratory | 1 | - |
|  |  |  | **Total Credit** | **14** |  |
| 46th | 4 | ACC-2111 | Principles of Accounting | 3 | - |
|  |  | CSE-2117 | Computer Algorithms & Complexity  | 3 | CSE-1315 |
|  |  | CSE-2118 | Computer Algorithms & Complexity lab  | 1 | CSE-1316 |
|  |  | EEE-1111 | Electrical Circuits I | 3 | - |
|  |  | EEE-1112 | Electrical Circuits I Sessional | 1 | - |
|  |  | MAT-2111 | Co-Ordinate Geometry and Vector Analysis | 3 | - |
|  |  |  | **Total Credit** | **14** |  |
| 45th | 5 | CSE-2213 | Object Oriented Programming  | 3 | CSE-1213 |
|  |  | CSE-2214 | Object Oriented Programming Sessional  | 1 | CSE-1214 |
|  |  | ECO-2211 | Principals of Economics  | 3 | - |
|  |  | EEE-1215 | Electronics  | 3 | - |
|  |  | EEE-1216 | Electronics Sessional  | 1 | - |
|  |  | MAT-2213 | Probability and Statistics  | 3 | - |
|  |  |  | **Total Credit** | **14** |  |
| 44th | 6(A-F) | CSE-2319 | Database Management System | 3 | - |
|  |  | CSE-2320 | Database Management System Sessional | 1 | - |
|  |  | CSE-2321 | Data Communication | 3 | - |
|  |  | CSE-3317 | Java Programming  | 3 | CSE-2213 |
|  |  | CSE-3318 | Java Programming Sessional  | 1 | CSE-2214 |
|  |  | EEE-2317 | Digital Electronics | 3 | - |
|  |  | EEE-2318 | Digital Electronics Sessional | 1.5 | - |
|  |  |  | **Total Credit** | **15.5** |  |
| 43rd | 7 | CSE-3117 | Computer Architecture & Design | 3 | - |
|  |  | CSE-3115 | Computer Network | 3 | - |
|  |  | CSE-3227 | Theory of Computation  | 3 | - |
|  |  | CSE-3111 | Numerical Methods | 3 | - |
|  |  | CSE-3112 | Numerical Methods Sessional | 1 | - |
|  |  | CSE-3116 | Computer Network Sessional | 1 | - |
|  |  |  | **Total Credit** | **14** |  |
| 42nd | 8 | CSE-3211 | Operating System  | 2 | - |
|  |  | CSE-3212 | Operating System: Sessional | 1 | - |
|  |  | CSE-3213 | Digital Signal Processing  | 3 | - |
|  |  | CSE-3214 | Digital Signal Processing Sessional | 1 | - |
|  |  | CSE-3227 | Theory of Computation  | 3 | - |
|  |  | EEE-3211 | Microprocessor, Assembly Language &Computer Interfacing  | 3 | - |
|  |  | EEE-3212 | Microprocessor, Assembly Language &Computer Interfacing Sessional  | 1 | - |
|  |  |  | **Total Credit** | **14** |  |
| 41st | 9(A-E) | CSE-3300 | Project-I | 2 | - |
|  |  | CSE-3315 | Compiler Design & Construction | 3 | CSE-3227 |
|  |  | CSE-3316 | Compiler Design & Construction: Sessional | 1 | - |
|  |  | CSE-3317 | Java Programming  | 3 | CSE-2213 |
|  |  | CSE-3318 | Java Programming: Sessional  | 1 | CSE-2214 |
|  |  | CSE-3319 | Software Engineering and Information System Design | 3 | - |
|  |  | CSE-3320 | Software Engineering and Information System Design Sessional | 1 | - |
|  |  |  | **Total Credit** | **14** |  |
| 40th | 10 | CSE-4111  | Management Information System  | 3 | - |
|  |  | CSE-4113 | Computer Graphics | 3 | CSE-1213 |
|  |  | CSE-4114 | Computer Graphics Sessional | 1 | CSE-1214 |
|  |  | CSE-4119 | Artificial Intelligence | 3 | - |
|  |  | EEE-4127 | VLSI I  | 2 | - |
|  |  | EEE-4128 | VLSI I Laboratory | 1 | - |
|  |  |  | **Total Credit** | **13** |  |
| 39th | 11 | CSE-4211 | Web Technologies  | 3 | - |
|  |  | CSE-4212 | Web Technologies Sessional  | 1 | - |
|  |  | CSE-4223 | Neural Network & Fuzzy Logic  | 3 | - |
|  |  | CSE-4311 | Cellular Mobile & Satellite Communication  | 3 | - |
|  |   | CSE-4800 | Project / Thesis (Proposal) | 1 | 124 Credit |
|  |  |  | **Total Credit** | **10** |  |
| 38th |  12 | CSE-4801 | Project / Thesis (Finalize & Submission) | 3 | - |
|  |  |  | **Total Credit** | **3** |  |
| Retake | Retake | CSE-1213\* | Computer Programming (B) | 3 | - |
| Retake | Retake | CSE-1214\* | Computer Programming Sessional (B) | 1 | - |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| **Diploma Background** |
| Evening | 4DC | EEE-1215\* | Electronics  | 3 | - |
| Evening | 4DC | EEE-1216\* | Electronics Sessional  | 1 | - |
| Evening | 4DC | CSE-2213\* | Object Oriented Programming  | 3 | CSE-1213 |
| Evening | 4DC | CSE-2214\* | Object Oriented Programming Sessional  | 1 | CSE-1214 |
| Evening | 4DC | MAT-2111\* | Co-Ordinate Geometry and Vector Analysis | 3 | - |
| Evening | 4DC | MAT-2213\* | Probability and Statistics  | 3 | - |