

University of Asia Pacific
Department of Computer Science and Engineering
New Curriculumw.e.f. Fall-2016

| Trimester I | | | Trimester II | | | Trimester III | | |
|--------------------|--|-------------|------------------|--|-------------|------------------|---|-------------|
| Course Code | Course Name | Credit Hour | Course Code | Course Name | Credit Hour | Course Code | Course Name | Credit Hour |
| HSS 101 | English I: Written and Spoken English | 3.00 | PHY 101 | Physics | 3.00 | MTH 103 | Math II: Linear Algebra | 3.00 |
| HSS 111(A) | Bangladesh Studies: Society and Culture | 2.00 | MTH 101 | Math I: Basic Calculus, Co-ordinate Geometry | 3.00 | EEE 121 | Electrical & Electronic Engineering I | 3.00 |
| | | | | | | EEE 122 | Electrical & Electronic Engineering I Lab | 1.50 |
| HSS 111(B) | Bangladesh Studies: Bangladesh History | 2.00 | CSE 103 | Structured Programming | 3.00 | CHEM 111 | Chemistry | 3.00 |
| CSE 101 | Introduction to Computer Science & Programming Methodology | 3.00 | CSE 104 | Structured Programming Lab | 1.50 | CSE 105 | Discrete Mathematics | 3.00 |
| CSE 102 | Introduction to Computer Science & Programming Methodology Lab | 1.50 | PHY 102 | Physics Lab | 1.50 | CHEM 112 | Chemistry Lab | 1.50 |
| Total: 11.5 | | | Total: 12 | | | Total: 15 | | |

| Trimester IV | | | Trimester V | | | Trimester VI | | |
|------------------|--|------|------------------|---|------|------------------|--|------|
| MTH 201 | Math III: Multivariable Calculus | 3.00 | MTH 203 | Probability & Statistics | 3.00 | MTH 205 | Math IV: Differential Equations and Fourier and Laplace Transformations. | 3.00 |
| EEE 221 | Electrical & Electronic Engineering II | 4.00 | CSE 203 | Object Oriented Programming I: Java | 3.00 | CSE 207 | Algorithms | 3.00 |
| CSE 205 | Data Structures | 3.00 | CSE 204 | Object Oriented Programming I Lab: Java Lab | 1.50 | CSE 211 | Database Systems | 3.00 |
| EEE 222 | Electrical & Electronic Engineering II Lab | 1.50 | CSE 209 | Digital Logic & System Design | 4.00 | CSE 212 | Database Systems Lab | 1.50 |
| CSE 206 | Data Structures Lab | 1.50 | ECN 201 | Economics | 2.00 | CSE 208 | Algorithms Lab | 1.50 |
| | | | CSE 210 | Digital Logic & System Design Lab | 1.50 | | | |
| Total: 13 | | | Total: 15 | | | Total: 12 | | |

| Trimester VII | | | Trimester VIII | | | Trimester IX | | |
|--------------------|---|------|--------------------|--------------------------|------|--------------------|------------------------------|------|
| CSE 305 | System Analysis and Design | 3.00 | CSE 313 | Numerical Methods | 3.00 | | | |
| CSE 311 | Microprocessors& Assembly Language | 3.00 | CSE 317 | Computer Architecture | 3.00 | CSE 315 | Peripheral & Interfacing | 3.00 |
| CSE 309 | Object Oriented Programming II:Visual and Web Programming | 3.00 | CSE 321 | Software Engineering | 3.00 | CSE 307 | Theory of Computation | 3.00 |
| HSS301 | English II : English for Communications | 2.00 | CSE 303 | Data Communications | 3.00 | CSE 319 | Computer Networks | 3.00 |
| CSE 306 | System Analysis & Design Lab | 0.75 | CSE 314 | Numerical Methods Lab | 0.75 | CSE 316 | Peripheral & Interfacing Lab | 1.50 |
| CSE 310 | Object Oriented Programming II Lab:Visual and Web Programming Lab | 1.50 | CSE 322 | Software Engineering Lab | 0.75 | CSE 320 | Computer Networks Lab | 1.50 |
| CSE 312 | Microprocessors& Assembly Lab | 1.50 | CSE 304 | Data Communications Lab | 0.75 | CSE 330 | Industrial Training | 1.50 |
| Total:14.75 | | | Total:14.25 | | | Total:13.50 | | |

| Trimester X | | | Trimester XI | | | Trimester XII | | |
|-----------------|----------------------------------|------|-----------------|--|------|-----------------|-----------------------------------|------|
| CSE 401 | Mathematics for Computer Science | 3.00 | CSE 403 | Artificial Intelligence and Expert Systems | 3.00 | BUS 401 | Business and Entrepreneurship | 3.00 |
| CSE 407 | ICTLaw, Policy and Ethics | 2.00 | CSE 425 | Computer Graphics | 3.00 | CSE 429 | Compiler Design | 3.00 |
| CSE 405 | Operating Systems | 3.00 | CSE ... | Option I | 3.00 | CSE ... | Option II | 3.00 |
| CSE 400 | Project/ Thesis | 2.00 | CSE 400 | Project/ Thesis | 2.00 | CSE 400 | Project/ Thesis | 2.00 |
| CSE 406 | Operating Systems Lab | 1.50 | CSE 404 | Artificial Intelligence and Expert Systems Lab | 1.50 | BUS 402 | Business and Entrepreneurship Lab | 0.75 |
| CSE 410 | Software Development | 1.50 | CSE 426 | Computer Graphics Lab | 1.50 | CSE ... | Option II Lab | 0.75 |
| | | | | | | CSE 430 | Compiler Design Lab | 1.50 |
| Total:13 | | | Total:13 | | | Total:14 | | |

Signature of Head of Department