<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
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</table>
| 1        | ENG 101: English Fundamentals (3 credits)  
           | MAT 110: Mathematics I (3 credits)  
           | CSE 110: Programming Language I (3 credits)  
           | PHY 111: Principles of Physics I (3 credits) |
| 2        | ENG 102: English Composition (3 credits)  
           | MAT 120: Mathematics II (3 credits)  
           | DEV 101: Bangladesh Studies (3 credits)  
           | HUM 103: Ethics and Culture (3 credits)  
           | STA 201: Elements of Statistics and Probability (3 credits) |
| 3        | CSE 111: Programming Language II (3 credits)  
           | PHY 112: Principles of Physics II (3 credits)  
           | MAT 215: Mathematics III (3 credits)  
           | *COD I |
| 4        | CSE 220: Data Structures (3 credits)  
           | CSE 230: Discrete Mathematics (3 credits)  
           | CSE 250: Circuits and Electronics (3 credits)  
           | *COD II |
| 5        | MAT216: Mathematics IV (3 credits)  
           | CSE 221: Algorithms (3 credits)  
           | CSE 251: Electronic Devices and Circuits (3 credits)  
           | CSE 260: Digital Logic Design (3 credits) |
| 6        | CSE 330: Numerical Methods (3 credits)  
           | CSE 340: Computer Architecture (3 credits)  
           | *COD III  
           | *COD IV |
| 7        | CSE 341: Microprocessors (3 credits)  
           | CSE 350: Digital Electronics and Pulse Techniques (3 credits)  
           | *COD V  
           | *COD VI |
| 8        | CSE 310: Object Oriented Programming (3 credits)  
           | CSE 321: Operating System (3 credits)  
           | CSE 331: Automata and Computability (3 credits)  
           | CSE 360: Computer Interfacing (3 credits) |
| 9        | CSE 320: Data Communications (3 credits)  
           | CSE 470: Software Engineering (3 credits)  
           | CSE 370: Database Systems (3 credits)  
           | CSE 423: Computer Graphics (3 credits) |
| 10       | CSE 420: Compiler Design (3 credits)  
           | CSE 421: Computer Networks (3 credits)  
           | CSE 460: VLSI Design (3 credits)  
           | CSE 471: Systems Analysis and Design (3 credits) |
| 11       | CSE 400: Internship/ Thesis (4 credits)  
           | CSE 422: Artificial Intelligence (3 credits)  
           | CSE 461: Digital System Design (3 credits)  
           | *COD VII |

*COD = COURSE OUTSIDE DEPARTMENT i.e. this course cannot be a CSE/CS course (3 Credits)