

| University Core (General Education) | | | 39 | | | |
|---|---|--|---------|-------|----|-------------------|
| Stream | Course Code | Course Name | Credits | Grade | GP | Comments (if any) |
| Stream 1: <i>Writing Comprehension</i> | ENG 091 | Foundation Course | 0.0 | | | |
| | ENG 101 | English Fundamentals | 3.0 | 3.3 | | |
| | ENG 102 | English Composition I | 3.0 | 3.7 | | |
| | | | | | | |
| Stream 2: <i>Math and Natural Sciences</i> | MAT 092 | Remedial Course in Mathematics | 0.0 | | | |
| | MAT 110 | MATH I: Differential Calculus and Co-ordinate Geometry | 3.0 | 2.3 | | Repeat |
| | PHY 111 | Principles of Physics I | 3.0 | 2.3 | | Repeat |
| | STA 201 | Elements of Statistics and Probability | 3.0 | 3.7 | | |
| | Optional: CHE101, BIO101, ENV103 | | | | | |
| | | | | | | |
| | | | | | | |
| Stream 3: <i>Arts and Humanities</i> | HUM 103 | Ethics and Culture | 3.0 | 3.3 | | |
| | Minimum two from: BNG103 (If completed in RS) and/or HUM101, HUM102, HST102, HST104, HUM207, ENG113, ENG114, ENG115, ENG333 | | | | | |
| | BNG 103 | Bangla Language and Literature | 3.0 | 3.3 | | |
| | | | | | | |
| | | | | | | |
| | Or, those who have already completed the following courses before Fall 2022 (Cannot be taken now): ACT201, ACT202, BUS101, BUS202, BCH101, BTE101, CHE110, CHN101, FRN101, FIN301, GEO101, LAW101, HUM111/HST407, STA301 | | | | | |
| | | | | | | |
| Stream 4: <i>Social Sciences</i> | EMB 101 / DEV 101 | Emergence Of Bangladesh / Bangladesh Studies | 3.0 | 3.3 | | |
| | Minimum one from: PSY101, SOC101, ANT101, POL101, BUS201, ECO101, ECO102, ECO105, BUS102, POL102, DEV104, POL201, SOC201/ANT202, ANT342, ANT351, BUS333 | | | | | |
| | | | | | | |
| | | | | | | |
| Stream 5: <i>Communities, Seeking Transformation</i> | Maximum one from: CST301, CST302, CST303, CST304, CST305, CST306, CST307, CST308, CST309, CST310 | | | | | |
| | | | | | | |

| School Core | | | 12 | | | |
|-------------|-------------|---|---------|-------|----|-------------------|
| | Course Code | Course Name | Credits | Grade | GP | Comments (if any) |
| | MAT 120 | MATH II: Integral Calculus and Differential Equations | 3.0 | 2.7 | | |

| | | | | | | |
|--|---------|--------------------------|-----|-----|--|--|
| | MAT 215 | MATH III: MZK | 3.0 | | | |
| | MAT 216 | MATH IV: | 3.0 | 3.3 | | |
| | PHY 112 | Principles of Physics II | 3.0 | 2.7 | | |

| Program Core | | | 48 | | | |
|--------------|--|-----------------------------|---------|-------|----|-------------------|
| | Course Code | Course Name | Credits | Grade | GP | Comments (if any) |
| | CSE 110 / CSE 161 + CSE 162 L / EEE/ECE103 + EEE/ECE103 L | Programming Language I | 3.0 | 3.0 | | |
| | CSE 111 | Programming Language II | 3.0 | 3.7 | | |
| | CSE 220 | Data Structures | 3.0 | 3.0 | | |
| | CSE 221 | Algorithms | 3.0 | 3.3 | | |
| | CSE 230 | Discrete Mathematics | 3.0 | 3.3 | | |
| | CSE 260 / EEE 283 + EEE 283 L / EEE 301 + EEE 302 | Digital Logic Design | 3.0 | 3.3 | | |
| | CSE 321 | Operating System FLA | 3.0 | | | |
| | CSE 330 | Numerical Methods RRH/ABW | 3.0 | | | |
| | CSE 331 | Automata and Computability | 3.0 | 3.7 | | |
| | CSE 340 | Computer Architecture RRH | 3.0 | | | |
| | CSE 370 | Database Systems | 3.0 | 4.0 | | |
| | CSE 420 | Compiler Design Nayla/SRF | 3.0 | | | |
| | CSE 421 | Computer Networks | 3.0 | | | |
| | CSE 422 | Artificial Intelligence TRZ | 3.0 | | | |
| | CSE 423 | Computer Graphics TMD/MZU | 3.0 | | | |
| | CSE 470 | Software Engineering TIK | 3.0 | | | |

| Program Elective | | | 21 | | | |
|------------------|-------------|--------------------------|---------|-------|----|-------------------|
| | Course Code | Course Name | Credits | Grade | GP | Comments (if any) |
| | CSE 320 | Data Communications | 3.0 | 2.7 | | Repeat |
| | CSE424 | Pattern Recognition | 3.0 | | | |
| | CSE425/447 | | 3.0 | | | |
| | CSE428 | Image Proccessing BRH | 3.0 | | | |
| | CSE427 | Machine Learning | 3.0 | | | |
| | CSE437/446 | GRA | 3.0 | | | |
| | CSE471 | System Analysis & Design | 3.0 | | | |

| Project / Internship / Thesis | | | 4 | | | |
|-------------------------------|-------------|------------------|---------|-------|----|-------------------|
| | Course Code | Course Name | Credits | Grade | GP | Comments (if any) |
| | CSE 400 | PROJECT & THESIS | 4.0 | | | |