**24BCA(Science) Revised NEP2 Curricular Framework May 2024**

| V | Vertical 1 | | | | | Vertical 2 | Vertical 3 | Vertical 4 | | Vertical 5 | | | | Vertical 6 | | | | Total Credits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sem | V1 | | | | | V2 | OE | VSEC | SEC | AEC | VEC | IKS | | CC | FP | CEP | OJT | Credits |
| Sem 1 | Subject 1 | Subject 2 | Subject 3 | | | | OE | | SEC | AEC | VEC | IKS Gen | | | | | | |
| Credits | 2 T+2 P =4 | 2 T+2 P= 4 | 2 T+2 P =4 | | | | 2 T | 2 (T/P) | 2 | 2 | 2 | 2 | | | | | | 22 |
| | 24BCA11101 C Programming (T)(2)  24BCA11102 C Programming Laboratory (P) (2) | 24BCA11103 Fundamentals of Computers (T)(2)  24BCA11104 Fundamentals of Computers Laboratory (P) (2) | 24BCA11105 Applied Mathematics & Statistics (T) (2)  24BCA11106 Applied Mathematics & statistics laboratory (P) (2) | | | | OE from ARTS Basket (2) | | 24BCA11407 Basic Web Designing Laboratory (P)(2) | 24ENG11505 Soft Skills and Personality Development(T) (2) | 24VEC11506 Value Education Course (T) (2) | 24IKS11501 Foundation Course on Indian Knowledge System-I (T) (2) | | | | | | |
| Sem 2 | Subject 1 | Subject 2 | Subject 3 | | | | OE3 | | SEC 2 | AEC | VEC | | | CC | | | | |
| Credits | 2 T+2 P =4 | 2 T+2 P= 4 | 2 T+2 P =4 | | | | 2 | | 2 | 2 | 2 | | | 2 | | | | |
| | 24BCA12101 Advanced C Programming (T) (2)  24BCA12102 Advanced C Programming Laboratory (P) (2) | 24BCA12103 Computer Organization (T) (2)  24BCA12104 Computer oraganization & Embedded C Programming Laboratory (P) (2) | 24BCA12105 Database Management System (T) (2)  24BCA12106 Database Management System Laboratory (P) (2) | | | | OE3 from Commerce Basket (2) | | 24BCA12407 Web Technology using PHP Laboratory (P)(2) | 24ENG12508 Corporate Communication( T) (2) | 24VEC12507 India's Consititution, Democracy , Election and Governance (T) (2) | | | 24CC12601 Physical Education (T) (2) | | | | |
| | 44 | | | | | | | | | | | | | | | | | 44 |