# B.A. Computer Science

2025-26 Sample Course Schedule - This is a recommended schedule and may be altered as needed. Consult your advisor when making changes. See degree audit for Christian Service requirements.

## FALL

### FIRST YEAR (F25)

| | | |
|---|---|---|
| CPTR 108 | #EssenceofComputing. | 3 |
| NOND 101 | Southern Connections (IN-1) | 1 |
| ENGL 101 | Critical Think in Ac Rdg & Wrtg I (IN-2) | 3 |
| COMM 135/145 | Comm. & Public Speaking (IN-3) | 3 |
| PEAC 125 | Fitness for Collegiate Life (P-1-a) | 1 |
| | Electives | 2 |
| | RELB 125 **or** RELT 177 (R-1) | 3 |
| | | **16** |

### SECOND YEAR (F26)

| | | |
|---|---|---|
| CPTR 215 | Fundamentals of Software Design | 4 |
| | Natural Science (IN-7) | 3 |
| | Minor | 3 |
| | Concentration or Electives[1/3/4] | 3 |
| | Physical Activity (P-1-b) | 1 |
| | | **14** |

### THIRD YEAR (F27)

| | | |
|---|---|---|
| CPTR 318 | Data Structures & Algorithms | 3 |
| CPTR 328 | Principles of Networking | 3 |
| MATH 215 | Statistics (IN-4) | 3 |
| | Physical Activity (P-1-b) | 1 |
| | Minor | 3 |
| | Concentration or U.D. Electives[5] | 3 |
| | | **16** |

### FOURTH YEAR (F28)

| | | |
|---|---|---|
| CPTR 332 | Comp. Arch. & Design | 3 |
| CPTR 486 | Senior Seminar (W) | 2 |
| PEAC 425 | Fit for Hire (P-1-c) | 1 |
| | U.D. Biblical Studies (R-3) | 3 |
| | Concentration or U.D. Electives[8] | 4 |
| | U.D. History (IN-6) | 3 |
| | | **16** |

## WINTER

### (W26)

| | | |
|---|---|---|
| CPTR 124 | Fund of Programming | 4 |
| ENGL 102 | Critical Think in Ac Rdg & Wrtg II (IN-2) | 3 |
| MATH 122 | Precalculus I | 3 |
| | RELT 138, 225, **or** 255 (R-2) | 3 |
| | Minor | 3 |
| | | **16** |

### (W27)

| | | |
|---|---|---|
| CPTR 319 | Database Management Systems | 3 |
| CPTR 302 | Software Dev Tools | 1 |
| MATH 280 | Discrete Math Structures | 3 |
| | *Concentration or Electives[2] | 3 |
| | Minor | 3 |
| | Stewardship, Econ. & Bus. Basics (IN-9) | 3 |
| | | **16** |

### (W28)

| | | |
|---|---|---|
| CPTR 365 | Operating Systems | 3 |
| CPTR 386 | Technical Writing in Computing (W) | 1 |
| PSYC 128 | Developmental Psych (IN-8) | 3 |
| | UD Religion (R-4) | 3 |
| | U.D. Minor | 3 |
| | Concentration or U.D. Electives[6] | 3 |
| | | **16** |

### (W29)

| | | |
|---|---|---|
| CPTR 488 | Senior Project | 2 |
| CPTR 427 | Network Security | 3 |
| | Aesthetic Analysis (IN-10) (W) | 3 |
| | Concentration or U.D. Electives[7] | 3 |
| | U.D. Minor | 3 |
| | | **14** |

**TOTAL HOURS**     **124**

**NOTE:** Six (6) hours of elementary foreign language needed if student does not have 2 years of same foreign language in high school.

## BA in CS Concentration in Security

| | | |
|---|---|---|
| [1]CPTR 230 | Windows Administration (Fall) | |
| or | or | |
| [2]CPTR 254 | UNIX Administration (Winter) | 3 |
| [5]CPTR 444 | Advanced Network Security (Fall) | 3 |
| [7]CPTR 454 | Cyber Forensics **(Winter)** | 3 |

## BA in CS Concentration in Web Development

| | | |
|---|---|---|
| [3]CPTR 212 | Web Programming (Fall) | 3 |
| or | or | or |
| [4]CPTR 435 | Mobile App & Dev. **(Fall)** | 3 |
| [6]CPTR 446 | Web Services **(Winter)** | 3 |
| [8]CPTR 456 | Advanced Web Programming (Fall) | **3** |