## Bachelor of Science in Applied Software Development
### *New-Fall 2020*

| General Education Courses | | Semester Hours |
|---|---|---|
| ACAD 101 | Principles of the Learning Academy | 1 |

**Shared Skills and Proficiencies**

**Writing and Critical Thinking** *(C- or better required in each course)*

| | | |
|---|---|---|
| WRIT 101, HMXP 102, CRTW 201 | Composition; The Human Experience: Who Am I? Crit Reading, Thinking, & Writing | 9 |
| **Oral Communication** | Met in major with CSCI 327 | 0 |
| **Technology** | Met in major with CSCI 101 and labs | 0 |
| **Intensive Writing** | Met in major with CSCI 327 | 0 |
| **Constitution Requirement** | See approved list, p. 15; may be met by other req | 0-3 |
| **Physical Activity** | See approved list, p. 15 | 1 |

**Thinking Critically Across Disciplines**

| | | |
|---|---|---|
| **Global Perspectives** | See approved list, p. 15 | 3 |
| **Historical Perspectives** | See approved list, p. 15 | 3 |

**Introducing Students to Broad Disciplinary Perspectives**

| | | |
|---|---|---|
| **Social Science** | See approved list, p. 15; must include 2 designators | 6 |
| **Humanities and Arts** | See approved list, p. 15; must include 2 designators | 6 |

**Quantitative Skills and Natural Science (3 courses)**

| | | |
|---|---|---|
| **Quantitative Skills** | Met in major with MATH 141 and 105 | 0 |
| **Natural Science** | See approved list, p. 15; must include a lab science. | 3-4 |
| **Subtotal** | | **32-36** |

| | | |
|---|---|---|
| **Computing Technology Transfer Coursework** | | **30** |

200-level CPT and IST courses that count toward the degree of Associate in Applied Science in Computer Technology - Programming. Students must have completed the Associate's degree.

| Requirements for the Major | | **46** |
|---|---|---|
| CSCI 101 | Intro to Computers and Info Processing | 1.5 |
| CSCI 101 Labs, any three from 101A, B, C, D, F, I, N, and P | | 1.5 |
| MATH 105 | Applied Calculus | 3 |
| MATH 141 | Finite Probably and Statistics | 3 |
| MATH 261 | Foundations of Discrete Mathematics | 3 |
| CSCI 311 | Computer Architecture and Organization | 4 |
| CSCI 327 | Social Implications of Computing | 3 |
| CSCI 355 | Database Processing | 3 |
| CSCI 365 | Information Security | 3 |
| CSCI 411 | Operating Systems | 3 |
| CSCI 466 | Network Processing | 3 |
| CSCI 475 | Software Engineering I | 3 |
| CSCI 476 | Software Engineering II | 3 |
| CSCI over 299, CSCI 521 highly recommended | (max 3 hours from combination of 471, 491, 492) | 9 |
| **General Electives** | | **8-12** |
| **TOTAL** | | **120** |

***See pages 15-17 for additional degree requirements***