|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| STEM: SCIENCE, TECHNOLOGY, ENGINEERING, MATH  COMPUTER SCIENCE/CYBERSECURITY  ASSOCIATE OF SCIENCE: 64-65 CREDIT HOURS | | | | | | | |
| DEVELOPMENTAL READING/ENGLISH (if needed) | | |  |  | DEVELOPMENTAL MATHEMATICS (if needed) | |  |
|  | | UNIV 01043 College Reading | 3 |  |  | MATH 03873 Pre-Algebra | 3 |
|  | | ENGL 02493 Essential English | 3 |  |  | MATH 01071 College Algebra Lab | 1 |
|  | | ENGL 02091 Composition I Lab | 1 |  |  |  |  |
|  | |  |  |  |  |  |  |
| GENERAL EDUCATION STATE CORE | | |  |  | AS STEM REQUIREMENTS | |  |
|  | | ENGL 10103 Composition I | 3 |  |  | UNIV 10152 Success Strategies | 2 |
|  | | ENGL 10203 Composition II | 3 |  | UNIV 10261 Transfer Seminar | 1 |
|  | | ENGL 21103/21203 World Literature I or II | 3 |  |  | CESC 11033 Introduction to Cybersecurity -OR- CPSI 10103 Intro to Computer Science | 3 |
|  | | SPCH 10003 Principles of Speech | 3 |  |  | CSCE 10104 Programming Fundamentals I | 4 |
|  | | ARHS 10003 Intro to Fine Arts: Art -OR-  MUSC 10003 Intro to Fine Arts: Music | 3 |  |  | CSCE 10204 Programming Fundamentals II | 4 |
|  | | PLSC 20003 American Government | 3 |  |  | CPSI 25063 Computer Networks | 3 |
|  | | HIST 21103/21203 US History I OR II | 3 |  |  | MATH 26103 Discrete Mathematics | 3 |
|  | | MATH 11003 College Algebra | 3 |  | AS STEM REQUIREMENTS | | 20 |
|  | | MATH 22003 Survey of Calculus | 3 |  |  | |  |
|  | | BIOL 10104 General Biology | 4 |  | ELECTIVE: COMPUTER SCIENCE | |  |
|  | | PHSC 11004 Earth Science -OR-  PHSC 10004 Physical Science | 4 |  |  | MATH 24005 Calculus I | 4 |
| GENERAL EDUCATION STATE CORE | | | 35 |  |  | CPSI 11103 Web Technologies | 3 |
|  | | |  |  |  | CESC 12303 Operating Systems | 3 |
|  | | |  |  | ELECTVE: CYBERSECURITY | |  |
|  | |  |  |  |  | CESC 21003 System Security | 3 |
|  | |  |  |  |  | CSCE 20003 Data Structures and Algorithms | 3 |
|  | |  |  |  |  | CESC 22433 Network Security | 3 |
|  | |  |  |  | ELECTIVE REQUIREMENTS | | 9-10 |
|  | | |  |  |  |  |  |
| Certificate of Proficiency: Computer Programming | | | 11 |  | Technical Certificate: Cybersecurity | | 23 |
|  | CESC 11033 Introduction to Cybersecurity -OR- CPSI 10103 Intro to Computer Science | | 3 |  |  | CESC 11033 Introduction to Cybersecurity | 3 |
|  | CSCE 10104 Programming Fundamentals I | | 4 |  |  | CSCE 10104 Programming Fundamentals I | 4 |
|  | CSCE 10204 Programming Fundamentals II | | 4 |  |  | CSCE 10204 Programming Fundamentals II | 4 |
|  |  | |  |  |  | CPSI 25063 Computer Networks | 3 |
|  |  | |  |  |  | CSCE 20003 Data Structures and Algorithms | 3 |
|  |  | |  |  |  | CESC 22433 Network Security | 3 |
|  |  | |  |  |  | CESC 21003 System Security | 3 |
| ADVISOR: Crystal Sims [csims@cccua.edu](mailto:csims@cccua.edu)  PROGRAM INFORMATION: This degree is designed for those who wish to apply for and transfer into a computer science or cybersecurity program at a four-year university. Students may have the opportunity to earn industry credentials, such as ISC2-CC, A+, Network+, and Security+. Students who do not wish to transfer may be prepared to enter the workforce at an entry level position. Students on the Computer Science track may earn the CP: Computer Programming as a stackable credential. Students on the Cybersecurity track may earn CP: Computer Programming and TC: Cybersecurity as stackable credentials.  TRANSFER OPTIONS:   * Arkansas Tech University for Bachelor of Science in Computer Science * Arkansas Tech University for Bachelor of Science in Cybersecurity * Southern Arkansas University for Bachelor of Science in Computer Science * University of Arkansas at Fayetteville for Bachelor of Science in Computer Science * University of Arkansas at Little Rock for Bachelor of Science in Computer Science * University of Arkansas at Little Rock for Bachelor of Science in Cybersecurity | | | | | | | |