



**KENNESAW STATE**  
UNIVERSITY

## Double Owl Pathway of Study

Undergraduate Program: **BASIT** (College of Computing and Software Engineering)  
Academic Program Coordinator Contact Information: Hossain Shahriar, Department of Information Technology

Graduate Program: **MS Cybersecurity** (Institute for Cyber Workforce Development)  
Academic Program Coordinator Contact Information: Hossain Shahriar

### Double Owl Course Pairings

| Double Owl Scholars will NOT take the following BASIT courses: | In their place, Double Owl Scholars will take the following MS Cybersecurity courses: |
|----------------------------------------------------------------|---------------------------------------------------------------------------------------|
| IT 4823                                                        | CYBR 7300                                                                             |
| Directed Elective                                              | CYBR 7200                                                                             |

### Possible Pathway of Study

**Double counted courses are in RED.**

| Year 1 - Fall (13 credits)                                    | Credits | Year 1 - Spring (16 credits)                                    | Credits |
|---------------------------------------------------------------|---------|-----------------------------------------------------------------|---------|
| ENGL 1101 Composition I                                       | 3       | CSE 1322 Programming & Problem Solving II                       | 3       |
| MATH 1113 Pre-calculus                                        | 3       | CSE 1322L Programming & Problem Solving II Laboratory           | 1       |
| ECON 1000 Contemporary Economy Issue                          | 2       | <b>POLS 1101</b> – American Government                          | 3       |
| COM 1100 Human Communication                                  | 3       | <b>MATH 1190</b> – Calculus 1                                   | 4       |
| CSE 1321 Programming & Problem Solving 1                      | 3       | <b>HIST 1100, 1111 or 1112</b> - World History                  | 3       |
| CSE 1321L Programming & Problem Solving I Lab                 | 1       | <b>ENGL 1102</b> Composition II                                 | 3       |
|                                                               |         |                                                                 |         |
| TOTAL                                                         | 15      | TOTAL                                                           | 17      |
| Year 2 – Fall (16 credits)                                    | Credits | Year 2 - Spring (16 credits)                                    | Credits |
| <b>IT 3123</b> Hardware/software Concepts                     | 3       | <b>IT 3423</b> Operating Systems Concepts & Adm                 | 3       |
| CSE 2300 Discrete Structures OR<br>MATH 2345 Discrete Math    | 3       | <b>HIST 2111 or 2112</b> – US History                           | 3       |
| <b>CSE 3153</b> Database Systems                              | 3       | <b>Art/Dance/Music/TPS 1101</b> – Arts and Culture of the World | 3       |
| <b>SCIENCE COURSE 1</b> – choose 4 credit hour Science course | 4       | <b>CSE 3801</b> Professional Practices & Ethics                 | 2       |
| <b>ENGL 2000</b> level Literature                             | 3       | <b>IT 3223</b> Software Acquisition & Project Management        | 3       |
|                                                               |         | <b>IT 4323</b> Data Communications & Networks                   | 3       |
| TOTAL                                                         | 16      | TOTAL                                                           | 17      |

**Apply to Double Owl**

| Year 3 - Fall (16 credits)                                                                                | Credits | Year 3 - Spring (15 credits)                                                  | Credits |
|-----------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------|---------|
| IT 3003 Prof. Dev & Entrepreneurship                                                                      | 3       | <del>Directed Elective</del><br>CYBR 7200- Securing Enterprise Infrastructure | 3       |
| IT 3203 Intro to Web Development                                                                          | 3       | IT 4983 – Capstone                                                            | 3       |
| <del>IT 4823 Information Security Administration</del><br>CYBR 7300 – Management of Cybersecurity         | 3       | IT 4683 Management of IT & HCI                                                | 3       |
| IT 3883 - Advanced App Programming                                                                        | 4       | SCIENCE COURSE 2 – choose 4 Cr. Hr Science course                             | 4       |
| CRJU/GEOG/PSYC/SOCI/STS 1101 or ANTH 1102 or ECON 2100                                                    | 3       |                                                                               |         |
|                                                                                                           |         |                                                                               |         |
| TOTAL:                                                                                                    | 16      | TOTAL:                                                                        | 13      |
| Apply to Graduate Program                                                                                 |         |                                                                               |         |
| Year 4 - Fall (9 credits)                                                                                 | Credits | Year 4 - Spring (6 credits)                                                   | Credits |
| CYBR 7000 - Cyber Law, Policy and Enforcement                                                             | 3       | CYBR 7240 - Cyber Analytics and Intelligence                                  | 3       |
| CYBR 7220 - Mobile and Cloud Security                                                                     | 3       | CYBR 7100 - Secure Application Development                                    | 3       |
| CYBR 7350 - Contingency Planning for Cybersecurity                                                        | 3       | CYBR 7050 - Cybercrime Detection, Analysis and Forensics                      | 3       |
| TOTAL:                                                                                                    | 9       | TOTAL:                                                                        | 9       |
|                                                                                                           |         |                                                                               |         |
| Year 5 - Fall (9 credits)                                                                                 | Credits | Year 5 - Spring (6 credits)                                                   | Credits |
| CYBR 7400 - Introduction to Cryptography and It's Application                                             | 3       |                                                                               |         |
| CYBR 7910 - Capstone In Cybersecurity Practicum<br>OR<br>CYBR 7930 - Capstone in Cybersecurity Management | 3       |                                                                               |         |
|                                                                                                           |         |                                                                               |         |
| TOTAL:                                                                                                    | 6       | TOTAL:                                                                        | 6       |

