Double Owl Pathway of Study



Undergraduate Program Name: BS in Cybersecurity **Graduate Program Name:** MS in Information Technology

KENNESAW STATE U N I V E R S I T Y

Double Owl Course Pairings

| Double of the course runnings | |
|---|---|
| Double Owl Scholars will NOT take the following | In their place, Double Owl Scholars will take the |
| BS in Information Technology courses: | following MS in Information Technology courses: |
| | |
| Require | d Courses |
| CYBR 3100 - Principles of Cybersecurity | IT 6823 - Information Security Concepts & |
| | Administration |
| Major elective | IT 6413 – IT Service Delivery |
| Major elective | IT 6423 - IT System Acquisition and Integration |

MSIT Capstone Option

| Year 1 - Fall (13 credits) | Credits | Year 1 - Spring (16 credits) | Credits |
|--|-------------|--|---------|
| ENGL 1101- Composition I [A1] | 3 | ENGL 1102- Composition II [A1] | 3 |
| MATH 1113- Precalculus or Higher [A2] | 3 | MATH 1190- Calculus I [D1] | 4 |
| U.S. History [E2] | 3 | ECON 1000- Contemporary Economic Issues [B1] | 2 |
| CSE 1321- Programming & Problem Solving I | 3 | POLS 1101- American Government [E1] | 3 |
| CSE 1321L- Programming & Problem Solving I LAB | 1 | CSE 1322- Programming & Problem Solving II | 3 |
| | | CSE 1322L- Programming & Problem Solving II LAB | 1 |
| TOTAL | 13 | TOTAL | 16 |
| Year 2 - Fall (16 credits) | Credits | Year 2 - Spring (16 credits) | Credits |
| CSE 2300- Discrete Structures for Computing <i>or</i> MATH 2345 Discrete Mathematics | 3 | Arts and Culture [C2] | 3 |
| General Education - (B2) | 3 | Science Process (STEM) [D2] | 4 |
| ACCT 2101 (F) - Principles of Accounting | 3 | MATH 2332/ECON2300 (Area F) | 3 |
| CYBR 3123- Hardware & Software Concepts | 3 | CYBR 3423- Operating Systems Concepts & Administration | 3 |
| Science Process (STEM) [D2] | 3 | CYBR 4323- Data Communications & Networking | 3 |
| TOTAL | 15 | TOTAL | 16 |
| A | Apply to Do | uble Owl Program | |
| Year 3 - Fall (16 credits) | Credits | Year 3 - Spring (15 credits) | Credits |
| CYBR 3100 Principles of Cybersecurity IT 6823 - Information Security Concepts & Administration | 3 | World History [E3] | 3 |
| CYBR 4423 - Linux/Unix Administration | 4 | CYBR Elective 1 of 3 | 3 |

| CYBR 3210 - Client Systems Security | 3 | Literature of the World[C1] | 3 |
|---|------------|---|---------|
| Free Elective (1 of 2) | 3 | CYBR 3300- Management of Cybersecurity in a Global Environment | 3 |
| CYBR 3200 - Network Security | 3 | CYBR 4200 - Perimeter Defense | 3 |
| TOTAL: | 16 | TOTAL: | 15 |
| Year 4 - Fall (15 credits) | Credits | Year 4 - Spring (14 credits) | Credits |
| CYBR 4220 - Server Systems Security | 3 | CYBR Elective (3 of 3) IT 6423 - IT System Acquisition and Integration | 3 |
| CYBR Elective 2 of 3 IT 6413 – IT Service Delivery | 3 | CYBR Specialization course (2 of 3) | 3 |
| CYBR 4330 - Incident Response and Contingency Planning | 3 | CYBR Specialization course (3 of 3) | 3 |
| CYBR Specialization course (1 of 3) | 3 | CYBR 4810 - Cybersecurity (capstone) | 3 |
| General Education - (E4) | 3 | Free Elective (2 of 2) | 2 |
| TOTAL: | 15 | TOTAL: | 14 |
| | Apply to 3 | MSIT Program | |
| Year 5 - Fall (12 credits) | Credits | Year 5 - Spring (9 credits) | Credits |
| IT 6423: IT System Acquisition & Integration | 3 | IT 6xxx or 7xxx Elective 4 | 3 |
| IT 6xxx or 7xxx Elective 1 | 3 | IT 6xxx or 7xxx Elective 5 | 3 |
| IT 6xxx or 7xxx Elective 2 | 3 | IT 7993: IT Capstone | 3 |
| IT 6xxx or 7xxx Elective 3 | 3 | | |
| TOTAL: | 12 | TOTAL: | 9 |

PATHWAY TOTAL: BS Cybersecurity 120 + MSIT 30 – 9 hours from Double Owl = 141

| | MSIT T | hesis Option | |
|--|---------|--|---------|
| Year 1 - Fall (13 credits) | Credits | Year 1 - Spring (16 credits) | Credits |
| ENGL 1101- Composition I [A1] | 3 | ENGL 1102- Composition II [A1] | 3 |
| MATH 1113- Precalculus or Higher [A2] | 3 | MATH 1190- Calculus I [D1] | 4 |
| U.S. History [E2] | 3 | ECON 1000- Contemporary Economic Issues [B1] | 2 |
| CSE 1321- Programming & Problem Solving I | 3 | POLS 1101- American Government [E1] | 3 |
| CSE 1321L- Programming & Problem Solving I LAB | 1 | CSE 1322- Programming & Problem Solving II | 3 |
| | | CSE 1322L- Programming & Problem Solving II LAB | 1 |
| TOTAL | 13 | TOTAL | 16 |
| Year 2 - Fall (16 credits) | Credits | Year 2 - Spring (16 credits) | Credits |
| CSE 2300- Discrete Structures for Computing <i>or</i> MATH 2345 Discrete Mathematics | 3 | Arts and Culture [C2] | 3 |
| General Education - (B2) | 3 | Science Process (STEM) [D2] | 4 |
| ACCT 2101 (F) - Principles of Accounting | 3 | MATH 2332/ECON2300 (Area F) | 3 |
| CYBR 3123- Hardware & Software Concepts | 3 | CYBR 3423- Operating Systems Concepts & Administration | 3 |

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| Science Process (STEM) [D2] | 3 | CYBR 4323- Data Communications & Networking | 3 |
|---|--|--|---|
| TOTAL | 15 | TOTAL | 16 |
| A | pply to Dou | uble Owl Program | |
| Year 3 - Fall (16 credits) | Credits | Year 3 - Spring (15 credits) | Credits |
| CYBR 3100 Principles of Cybersecurity- IT 6823 - Information Security Concepts & Administration | 3 | World History [E3] | 3 |
| CYBR 4423 - Linux/Unix Administration | 4 | CYBR Elective 1 of 3 | 3 |
| CYBR 3210 - Client Systems Security | 3 | Literature of the World[C1] | 3 |
| Free Elective (1 of 2) | 3 | CYBR 3300- Management of Cybersecurity in a Global Environment | 3 |
| CYBR 3200 - Network Security | 3 | CYBR 4200 - Perimeter Defense | 3 |
| TOTAL: | 16 | TOTAL: | 15 |
| Year 4 - Fall (15 credits) | Credits | Year 4 - Spring (14 credits) | Credits |
| CYBR 4220 - Server Systems Security | 3 | CYBR Elective (3 of 3) IT 6423 - IT System Acquisition and Integration | 3 |
| CYBR Elective 2 of 3 IT 6413 – IT Service Delivery | 3 | CVDD Specialization course (2 of 2) | 2 |
| 110+13 - 11 SCIVICE DELIVELY | 5 | CYBR Specialization course (2 of 3) | 3 |
| CYBR 4330 - Incident Response and Contingency Planning | 3 | CYBR Specialization course (2 of 3) CYBR Specialization course (3 of 3) | 3 |
| CYBR 4330 - Incident Response and | _ | | |
| CYBR 4330 - Incident Response and Contingency Planning | 3 | CYBR Specialization course (3 of 3) | 3 |
| CYBR 4330 - Incident Response and Contingency Planning CYBR Specialization course (1 of 3) | 3 | CYBR Specialization course (3 of 3) CYBR 4810 - Cybersecurity (capstone) | 3 |
| CYBR 4330 - Incident Response and Contingency Planning CYBR Specialization course (1 of 3) General Education - (E4) | 3 3 3 15 | CYBR Specialization course (3 of 3) CYBR 4810 - Cybersecurity (capstone) Free Elective (2 of 2) | 3 3 2 |
| CYBR 4330 - Incident Response and Contingency Planning CYBR Specialization course (1 of 3) General Education - (E4) TOTAL: Year 5 - Fall (12 credits) | 3 3 3 15 | CYBR Specialization course (3 of 3) CYBR 4810 - Cybersecurity (capstone) Free Elective (2 of 2) TOTAL: | 3 3 2 |
| CYBR 4330 - Incident Response and Contingency Planning CYBR Specialization course (1 of 3) General Education - (E4) TOTAL: | 3 3 3 15 Apply to 2 | CYBR Specialization course (3 of 3) CYBR 4810 - Cybersecurity (capstone) Free Elective (2 of 2) TOTAL: MSIT Program | 3 3 2 14 |
| CYBR 4330 - Incident Response and Contingency Planning CYBR Specialization course (1 of 3) General Education - (E4) TOTAL: Year 5 - Fall (12 credits) IT 6423: IT System Acquisition & | 3 3 3 15 Apply to 3 Credits | CYBR Specialization course (3 of 3) CYBR 4810 - Cybersecurity (capstone) Free Elective (2 of 2) TOTAL: MSIT Program Year 5 - Spring (9 credits) | 3 3 2 14 Credits |
| CYBR 4330 - Incident Response and Contingency Planning CYBR Specialization course (1 of 3) General Education - (E4) TOTAL: Year 5 - Fall (12 credits) IT 6423: IT System Acquisition & Integration | 3 3 3 15 Apply to 2 Credits 3 | CYBR Specialization course (3 of 3) CYBR 4810 - Cybersecurity (capstone) Free Elective (2 of 2) TOTAL: MSIT Program Year 5 - Spring (9 credits) IT 6xxx or 7xxx Elective 3 | 3 3 2 14 Credits 3 |
| CYBR 4330 - Incident Response and Contingency Planning CYBR Specialization course (1 of 3) General Education - (E4) TOTAL: Year 5 - Fall (12 credits) IT 6423: IT System Acquisition & Integration IT 6xxx or 7xxx Elective 1 | 3 3 3 15 Apply to 2 Credits 3 3 | CYBR Specialization course (3 of 3) CYBR 4810 - Cybersecurity (capstone) Free Elective (2 of 2) TOTAL: MSIT Program Year 5 - Spring (9 credits) IT 6xxx or 7xxx Elective 3 IT 6xxx or 7xxx Elective 4 | 3 3 2 14 Credits 3 3 |

PATHWAY TOTAL: BS Cybersecurity 120 + MSIT 30 – 9 hours from Double Owl = 141