



KENNESAW STATE UNIVERSITY

Double Owl Pathway of Study

Undergraduate Program Name: BS in Information Technology

Graduate Program Name: MS in Cybersecurity

Course Pairs:

| Double Owl Scholars will NOT take the following courses: | In their place, Double Owl Scholars will take the following courses: |
|--|--|
| IT 4823 | CYBR 7300 |
| IT 4843 | CYBR 7200 |
| IT 4833 | CYBR 7220 |

| 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 or Higher [D1] | 4 |
| General Education- U.S. History [E2] | 3 | ECON 1000- Contemporary Economic Issues [B1] | 2 |
| CSE 1321- Programming & Problem Solving I Δ | 3 | General Education- World History [E3] | 3 |
| CSE 1321L- Programming & Problem Solving I Lab Δ | 1 | CSE 1322- Programming & Problem Solving II Δ | 3 |
| | | CSE 1322L- Programming & Problem Solving II Lab Δ | 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 | General Education- Literature of the World [C2] | 3 |
| CSE 3153- Database Systems | 3 | General Education – Science Process (STEM) [D2] | 4 |
| IT 3003- Professional Development & Entrepreneurship | 3 | TCOM 2010- Technical Writing | 3 |
| IT 3123- Hardware & Software Concepts | 3 | MATH 2332- Probability & Data Analysis | 3 |
| IT 3883- Advanced Application Development | 4 | IT 3423- Operating Systems Concepts & Administration | 3 |
| TOTAL | 16 | TOTAL | 16 |
| Apply to Double Owl | | | |
| Year 3 - Fall (16 credits) | Credits | Year 3 - Spring (15 credits) | Credits |
| General Education- Social Sciences [E4] | 3 | POLS 1101- American Government [E1] | 3 |
| General Education – Science Process (STEM) [D2] | 4 | General Education- Cultural Perspectives [B2] | 3 |
| IT 3223- Software Acquisition & Project Management | 3 | IT 3203- Introduction to Web Development | 3 |
| IT 4323- Data Communications & Networking | 3 | IT 4683- Management of Information Technology & Human Computer Interaction | 3 |
| CYBR 7300 - Management of Cybersecurity IT 4823 - Information Security Administration & Privacy | 3 | Cyberoperation Concentration Elective (1 of 5) | 3 |
| TOTAL: | 16 | TOTAL: | 15 |
| Year 4 - Fall (14 credits) | Credits | Year 4 - Spring (14 credits) | Credits |
| General Education- Arts & Culture of the World [C1] | 3 | IT 4723- IT Policy & Law | 3 |
| CSE 3801- Professional Practice & Ethics | 2 | IT 4983- IT Capstone | 3 |
| CYBR 7200 - Securing Enterprise Infrastructure - Cyberoperation Concentration Elective (2 of 5) | 3 | Cyberoperation Concentration Elective (4 of 5) | 3 |
| CYBR 7220 - Mobile and Cloud Security - Cyberoperation Concentration Elective (3 of 5) | 3 | Cyberoperation Concentration Elective (5 of 5) | 3 |
| Free Elective (1 of 2) | 3 | Free Elective (2 of 2) | 2 |
| TOTAL: | 14 | TOTAL: | 14 |

Apply to Graduate Program

| Year 5 - Fall (9 credits) | Credits | Year 5 - Spring (9 credits) | Credits |
|---|----------------|---|----------------|
| CYBR 7000 - Cyber Law, Policy and Enforcement | 3 | CYBR 7240 - Cyber Analytics and Intelligence | 3 |
| CYBR 7100 - Secure Application Development | 3 | CYBR 7350 - Contingency Planning for Cybersecurity | 3 |
| CYBR 7050 - Cybercrime Detection, Analysis and Forensics | 3 | CYBR 7400 - Introduction to Cryptography and It's Application | 3 |
| | | | |
| Year 6 - Fall (3 credits) | Credits | Year 6 - Fall | Credits |
| CYBR 7910 - Capstone In Cybersecurity Practicum OR CYBR 7930 - Capstone in Cybersecurity Management | 3 | | |