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

Double Owl Course Pairings

Double Owl Scholars will NOT take the following BS in Information Technology courses:	In their place, Double Owl Scholars will take the following MS in Information Technology courses:
Required 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 *or* 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
Apply to Double 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 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 Thesis 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 *or* 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

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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

<div align="center" style="color:green">Apply to MSIT Program</div>

Year 5 - Fall (12 credits)	Credits	Year 5 - Spring (9 credits)	Credits
IT 6423: IT System Acquisition & Integration	3	IT 6xxx or 7xxx Elective 3	3
IT 6xxx or 7xxx Elective 1	3	IT 6xxx or 7xxx Elective 4	3
IT 6xxx or 7xxx Elective 2	3	IT 7999 - Thesis	3
IT 7999 Thesis	3		
TOTAL:	12	TOTAL:	9

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