



Double Owl Pathway of Study

Undergraduate Program Name: B.S. in Information Technology
Graduate Program Name: M.S. in Healthcare Management and Informatics

KENNESAW STATE UNIVERSITY

Pathway Description: BSIT/MSHMI
Double Owl Course Pairs:

Double Owl Scholars will NOT take the following IHS courses:	In their place, Double Owl Scholars will be able to take three of the following MSHMI courses:
IT 3503 – Foundations of Health Information Technology	HMI 7510 – Introduction to Healthcare Management and Informatics
IT 3703 – Introduction to Data Analytics and Technology / FTA 4005 - Introduction to Financial Data Analytics	HMI 7520 – Data Analytics via SAS

Year 1 - Fall (15 credits)	Credits	Year 1 - Spring (15 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	3	General Education- World History [E3]	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 SEMESTER CREDITS	13	TOTAL SEMESTER CREDITS	16
Year 2 - Fall (15 credits)	Credits	Year 2 - Spring (15 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 SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	16
Year 3 - Fall (15 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
IT 4823- Information Security Administration & Privacy	3	Concentration Course (1 of 5)	3
TOTAL SEMESTER CREDITS	16	TOTAL SEMESTER CREDITS	15
		Apply for Double Owl Status	
Year 4 - Fall (15 credits)	Credits	Year 4 - Spring (15 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
Free Elective (1 of 2)	3	Concentration Course (4 of 5)	3
Concentration Elective (2 of 5) HMI 7510 – Introduction to Healthcare Management and Informatics	3	Concentration Course (5 of 5)	3
Concentration Elective (3 of 5) HMI 7520 – Data Analytics via SAS	3	Free Elective (2 of 2)	2
TOTAL SEMESTER CREDITS	14	TOTAL SEMESTER CREDITS	14

		Apply to Graduate Program/Change to Graduate Status	
Year 4 – Summer (9 credits)	Credits	Year 5 - Fall (9 credits)	Credits
HMI 7560 – Management & Applications of EHRs	3	HMI 7540 – Healthcare Information Systems Development	3
HMI 7590 – Healthcare Industry: Economics, Strategy, and Leadership	3	HMI 7570 – Healthcare Process and Workflow	3
HMI 7610 – Management & Ethics of Leadership in Healthcare	3	Elective	3
TOTAL SEMESTER CREDITS	9	TOTAL SEMESTER CREDITS	9
Year 5 - Spring (9 credits)	Credits	Year 5 – Summer (3 credits)	Credits
HMI 7550 – Database Systems in Healthcare	3	HMI 7770 – Capstone in Healthcare Management & Informatics	3
HMI 7580– Healthcare Governance and Risk	3		
HMI 7620 – Data Mining and Visualization in Healthcare	3		
TOTAL SEMESTER CREDITS	9	TOTAL SEMESTER CREDITS	3

PATHWAY TOTAL: 147